Package ‘Devore7’
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  <bates@stat.wisc.edu>, modifications for 7th edition by John Verzani.
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  (7th ed)", Thomson.
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**ex01.11**  
*R Data set: ex01.11*

**Description**
The `ex01.11` data frame has 40 rows and 1 column.

**Usage**
```r
data(ex01.11)
```

**Format**
A data frame with 40 observations on the following variable.

**Details**
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

**Examples**
```r
data(ex01.11)
str(ex01.11)
```

---

**ex01.12**  
*R Data set: ex01.12*

**Description**
The `ex01.12` data frame has 36 rows and 1 column.

**Usage**
```r
data(ex01.12)
```

**Format**
A data frame with 36 observations on the following variable.

**SpecGrav** a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.13)
str(ex01.13)

---

Description
The `ex01.13` data frame has 153 rows and 1 column.

Usage
data(ex01.13)

Format
A data frame with 153 observations on the following variable.

strength a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.13)
str(ex01.13)
### Description

The `ex01.14` data frame has 129 rows and 1 column.

### Usage

```r
data(ex01.14)
```

### Format

A data frame with 129 observations on the following variable.

- **Rate** a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex01.14)
str(ex01.14)
```

---

### Description

The `ex01.15` data frame has 37 rows and 2 columns.

### Usage

```r
data(ex01.15)
```

### Format

A data frame with 37 observations on the following 2 variables.

- **Score** a numeric vector
- **Type** a factor with levels 'Creamy' 'Crunchy'
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.17)
str(ex01.17)

---

**Description**

The ex01.17 data frame has 60 rows and 1 column.

**Usage**

data(ex01.17)

**Format**

A data frame with 60 observations on the following variable.

C1  a numeric vector

**Details**

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.17)
str(ex01.17)
**Description**

The `ex01.18` data frame has 18 rows and 2 columns.

**Usage**

```r
data(ex01.18)
```

**Format**

A data frame with 18 observations on the following 2 variables.

- `Number.of.papers` a numeric vector
- `Frequency` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex01.18)
str(ex01.18)
```
ex01.20

Format

A data frame with 15 observations on the following 2 variables.

Number.of.particles a numeric vector
Frequency a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.20)
str(ex01.20)

R Data set: ex01.20

ex01.20

The ex01.20 data frame has 47 rows and 1 column.

Usage

data(ex01.20)

Format

A data frame with 47 observations on the following variable.

c1 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

**Examples**

data(ex01.21)
str(ex01.21)

---

**Description**

The `ex01.21` data frame has 47 rows and 2 columns.

**Usage**

data(ex01.21)

**Format**

A data frame with 47 observations on the following 2 variables.

- y: a numeric vector
- z: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex01.21)
str(ex01.21)
**ex01.23**

*R Data set: ex01.23*

---

### Description

The `ex01.23` data frame has 100 rows and 1 column.

### Usage

```r
data(ex01.23)
```

### Format

A data frame with 100 observations on the following variable.

*`c1` a numeric vector*

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex01.23)
str(ex01.23)
```

---

**ex01.24**

*R Data set: ex01.24*

---

### Description

The `ex01.24` data frame has 100 rows and 1 column.

### Usage

```r
data(ex01.24)
```

### Format

A data frame with 100 observations on the following variable.

*`c1` a numeric vector*
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.25)
str(ex01.25)

---

R Data set: ex01.25

Description

The `ex01.25` data frame has 40 rows and 2 columns.

Usage

data(ex01.25)

Format

A data frame with 40 observations on the following 2 variables.

- `IDT` a numeric vector
- `log10.IDT` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.25)
str(ex01.25)
**Description**

The `ex01.27` data frame has 50 rows and 1 column.

**Usage**

```r
data(ex01.27)
```

**Format**

A data frame with 50 observations on the following variable.

- `lifetime` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex01.27)
str(ex01.27)
```

---

**Description**

The `ex01.28` data frame has 60 rows and 1 column.

**Usage**

```r
data(ex01.28)
```

**Format**

A data frame with 60 observations on the following variable.

- `radiation` a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.28)
str(ex01.28)

---

R Data set: ex01.29

Description
The ex01.29 data frame has 61 rows and 1 column.

Usage
data(ex01.29)

Format
A data frame with 61 observations on the following variable.

c1 a factor with levels B C C5 F J M N O

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.29)
str(ex01.29)
Description

The ex01.32 data frame has 14 rows and 2 columns.

Usage

data(ex01.32)

Format

A data frame with 14 observations on the following 2 variables.

Value  a numeric vector
Cumulative  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.32)
str(ex01.32)

Description

The ex01.33 data frame has 14 rows and 1 column.

Usage

data(ex01.33)
**Format**

A data frame with 14 observations on the following variable.

C1 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```R
data(ex01.34)
str(ex01.34)
```

---

**Description**

The `ex01.34` data frame has 11 rows and 1 column.

**Usage**

```R
data(ex01.34)
```

**Format**

A data frame with 11 observations on the following variable.

C1 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```R
data(ex01.34)
str(ex01.34)
```
ex01.35

*Description*

The `ex01.35` data frame has 8 rows and 1 column.

*Usage*

```r
data(ex01.35)
```

*Format*

A data frame with 8 observations on the following variable.

C1 a numeric vector

*Details*

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

*Source*


*Examples*

```r
data(ex01.35)
str(ex01.35)
```

---

ex01.36

*Description*

The `ex01.36` data frame has 26 rows and 1 column.

*Usage*

```r
data(ex01.36)
```

*Format*

A data frame with 26 observations on the following variable.

C1 a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.36)
str(ex01.36)

---

**ex01.37**

*R Data set: ex01.37*

Description
The ex01.37 data frame has 10 rows and 1 column.

Usage
data(ex01.37)

Format
A data frame with 10 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.37)
str(ex01.37)
ex01.38  

R Data set: ex01.38

**Description**

The ex01.38 data frame has 9 rows and 1 column.

**Usage**

```r
data(ex01.38)
```

**Format**

A data frame with 9 observations on the following variable.

C1 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex01.38)
str(ex01.38)
```

---

ex01.39  

R Data set: ex01.39

**Description**

The ex01.39 data frame has 16 rows and 1 column.

**Usage**

```r
data(ex01.39)
```

**Format**

A data frame with 16 observations on the following variable.

C1 a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.43)
str(ex01.43)

Description

The ex01.43 data frame has 10 rows and 1 column.

Usage

data(ex01.43)

Format

A data frame with 10 observations on the following variable.

Lifetime a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.43)
str(ex01.43)
Description

The `ex01.44` data frame has 10 rows and 1 column.

Usage

data(ex01.44)

Format

A data frame with 10 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.44)
str(ex01.44)

Description

The `ex01.45` data frame has 5 rows and 1 column.

Usage

data(ex01.45)

Format

A data frame with 5 observations on the following variable.

C1  a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.46)
str(ex01.46)

---

ex01.46  R Data set: ex01.46

Description

The ex01.46 data frame has 5 rows and 1 column.

Usage

data(ex01.46)

Format

A data frame with 5 observations on the following variable.

c1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.46)
str(ex01.46)
Description
The ex01.49 data frame has 17 rows and 1 column.

Usage
data(ex01.49)

Format
A data frame with 17 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.49)
str(ex01.49)

Description
The ex01.50 data frame has 27 rows and 1 column.

Usage
data(ex01.50)

Format
A data frame with 27 observations on the following variable.

awards a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.51)
str(ex01.51)

---

R Data set: ex01.51

Description

The ex01.51 data frame has 19 rows and 1 column.

Usage

data(ex01.51)

Format

A data frame with 19 observations on the following variable.

  C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.51)
str(ex01.51)
**Description**

The `ex01.54` data frame has 11 rows and 1 column.

**Usage**

data(ex01.54)

**Format**

A data frame with 11 observations on the following variable.

- C1 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex01.54)
str(ex01.54)

---

**Description**

The `ex01.56` data frame has 26 rows and 1 column.

**Usage**

data(ex01.56)

**Format**

A data frame with 26 observations on the following variable.

- C1 a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.56)
str(ex01.56)

---

R Data set: ex01.59

Description
The ex01.59 data frame has 50 rows and 2 columns.

Usage
data(ex01.59)

Format
A data frame with 50 observations on the following 2 variables.

- ed  a numeric vector
- non  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.59)
str(ex01.59)
Description

The ex01.60 data frame has 12 rows and 2 columns.

Usage

data(ex01.60)

Format

A data frame with 12 observations on the following 2 variables.

Test a numeric vector
Cannister a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.60)
str(ex01.60)

Description

The ex01.63 data frame has 26 rows and 1 column.

Usage

data(ex01.63)
Format
A data frame with 26 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.64)
str(ex01.64)

ex01.64 R Data set: ex01.64

Description
The ex01.64 data frame has 4 rows and 2 columns.

Usage
data(ex01.64)

Format
A data frame with 4 observations on the following 2 variables.

HC.gm.mi a numeric vector
C0.gm.mi a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
ex01.65

Examples

\begin{verbatim}
  data(ex01.65)
  str(ex01.65)
\end{verbatim}

---

**Description**

The ex01.65 data frame has 4 rows and 2 columns.

**Usage**

\begin{verbatim}
  data(ex01.65)
\end{verbatim}

**Format**

A data frame with 4 observations on the following 2 variables.

- **HC** a numeric vector
- **C0** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

\begin{verbatim}
  data(ex01.65)
  str(ex01.65)
\end{verbatim}
**Description**
The ex01.67 data frame has 15 rows and 1 column.

**Usage**
```r
data(ex01.67)
```

**Format**
A data frame with 15 observations on the following variable.
- `conc` a numeric vector

**Details**
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

**Examples**
```r
data(ex01.67)
str(ex01.67)
```

---

**Description**
The ex01.70 data frame has 15 rows and 2 columns.

**Usage**
```r
data(ex01.70)
```

**Format**
A data frame with 15 observations on the following 2 variables.
- `weight` a numeric vector
- `treadmill` a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.72)
str(ex01.72)

---

Description
The ex01.72 data frame has 13 rows and 2 columns.

Usage
data(ex01.72)

Format
A data frame with 13 observations on the following 2 variables.

<table>
<thead>
<tr>
<th>PTSO</th>
<th>Healthy</th>
</tr>
</thead>
</table>

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.72)
str(ex01.72)
R Data set: ex01.73

**Description**

The ex01.73 data frame has 20 rows and 1 column.

**Usage**

```r
data(ex01.73)
```

**Format**

A data frame with 20 observations on the following variable.

- `c1` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex01.73)
str(ex01.73)
```

---

R Data set: ex01.75

**Description**

The ex01.75 data frame has 15 rows and 3 columns.

**Usage**

```r
data(ex01.75)
```
Format

A data frame with 15 observations on the following 3 variables.

Type.1  a numeric vector
Type.2  a numeric vector
Type.3  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex01.77)
str(ex01.77)
Examples

```r
data(ex01.80)
str(ex01.80)
```

Description

The `ex01.80` data frame has 15 rows and 2 columns.

Usage

```r
data(ex01.80)
```

Format

A data frame with 15 observations on the following 2 variables.

- **Length**  

- **Frequency**  
  a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex01.80)
str(ex01.80)
```
Description
The ex01.83 data frame has 26 rows and 1 column.

Usage
data(ex01.83)

Format
A data frame with 26 observations on the following variable.
c1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex01.83)
str(ex01.83)

Description
The ex04.82 data frame has 10 rows and 1 column.

Usage
data(ex04.82)

Format
A data frame with 10 observations on the following variable.
lifetime a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex04.83)
str(ex04.83)

---

R Data set: ex04.83

Description

The ex04.83 data frame has 16 rows and 1 column.

Usage

data(ex04.83)

Format

A data frame with 16 observations on the following variable.

thickness a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex04.83)
str(ex04.83)
Description
The ex04.84 data frame has 18 rows and 2 columns.

Usage
data(ex04.84)

Format
A data frame with 18 observations on the following 2 variables.

- obsv  a numeric vector
- p    a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex04.84)
str(ex04.84)

Description
The ex04.86 data frame has 20 rows and 1 column.

Usage
data(ex04.86)
Format

A data frame with 20 observations on the following variable.

- loadlife a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(ex04.88)
str(ex04.88)
```

---

Description

The `ex04.88` data frame has 10 rows and 1 column.

Usage

```r
data(ex04.88)
```

Format

A data frame with 10 observations on the following variable.

- lifetime a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(ex04.88)
str(ex04.88)
```
**Description**

The ex04.89 data frame has 16 rows and 1 column.

**Usage**

data(ex04.89)

**Format**

A data frame with 16 observations on the following variable.

-thickness a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex04.89)
str(ex04.89)

---

**Description**

The ex04.90 data frame has 18 rows and 2 columns.

**Usage**

data(ex04.90)

**Format**

A data frame with 18 observations on the following 2 variables.

- obsv a numeric vector
- p a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex04.91)
str(ex04.91)

---

ex04.91  
*R Data set: ex04.91*

Description

The ex04.91 data frame has 16 rows and 1 column.

Usage

data(ex04.91)

Format

A data frame with 16 observations on the following variable.

failtime  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex04.91)
str(ex04.91)
Description

The `ex04.92` data frame has 20 rows and 1 column.

Usage

data(ex04.92)

Format

A data frame with 20 observations on the following variable.

`loadlife` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex04.92)
str(ex04.92)

Description

The `ex04.94` data frame has 30 rows and 1 column.

Usage

data(ex04.94)

Format

A data frame with 30 observations on the following variable.

`precip` a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex04.97)
str(ex04.97)

Description
The ex04.97 data frame has 16 rows and 1 column.

Usage
data(ex04.97)

Format
A data frame with 16 observations on the following variable.

failtime a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex04.97)
str(ex04.97)
R Data set: ex06.01

Description

The ex06.01 data frame has 27 rows and 1 column.

Usage

data(ex06.01)

Format

A data frame with 27 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex06.01)
str(ex06.01)

R Data set: ex06.02

Description

The ex06.02 data frame has 21 rows and 1 column.

Usage

data(ex06.02)

Format

A data frame with 21 observations on the following variable.

C1  a factor with levels C C1 H S T
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex06.02)
str(ex06.02)

data(ex06.03)
str(ex06.03)

Description
The ex06.03 data frame has 16 rows and 1 column.

Usage
data(ex06.03)

Format
A data frame with 16 observations on the following variable.

C1  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex06.03)
str(ex06.03)
Description

The ex06.04 data frame has 20 rows and 1 column.

Usage

data(ex06.04)

Format

A data frame with 20 observations on the following variable.

C1 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex06.04)
str(ex06.04)

Description

The ex06.05 data frame has 5 rows and 3 columns.

Usage

data(ex06.05)
Format

A data frame with 5 observations on the following 3 variables.

- `Book.value` a numeric vector
- `Audited.value` a numeric vector
- `Error` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex06.06)
str(ex06.06)
Examples

```r
data(ex06.09)
str(ex06.09)
```

### Description

The `ex06.09` data frame has 8 rows and 2 columns.

### Usage

```r
data(ex06.09)
```

### Format

A data frame with 8 observations on the following 2 variables.

- `Number.of.searches.per.item` a numeric vector
- `Observed.frequency` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex06.09)
str(ex06.09)
```
R Data set: ex06.15

Description

The ex06.15 data frame has 10 rows and 1 column.

Usage

data(ex06.15)

Format

A data frame with 10 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex06.15)
str(ex06.15)

---

R Data set: ex06.25

Description

The ex06.25 data frame has 10 rows and 1 column.

Usage

data(ex06.25)

Format

A data frame with 10 observations on the following variable.

C1  a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex07.10)
str(ex07.10)

R Data set: ex07.10

Description
The ex07.10 data frame has 15 rows and 1 column.

Usage
data(ex07.10)

Format
A data frame with 15 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex07.10)
str(ex07.10)
### Description
The `ex07.26` data frame has 11 rows and 2 columns.

### Usage
```r
data(ex07.26)
```

### Format
A data frame with 11 observations on the following 2 variables.

- **Number.of.absences**: a numeric vector
- **Frequency**: a numeric vector

### Details
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source

### Examples
```r
data(ex07.26)
str(ex07.26)
```

---

### Description
The `ex07.33` data frame has 17 rows and 1 column.

### Usage
```r
data(ex07.33)
```
**Format**

A data frame with 17 observations on the following variable.

C1 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex07.37)
str(ex07.33)
Description

The `ex07.45` data frame has 22 rows and 1 column.

Usage

data(ex07.45)

Format

A data frame with 22 observations on the following variable.

C1 a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex07.45)
str(ex07.45)

Description

The `ex07.46` data frame has 15 rows and 1 column.

Usage

data(ex07.46)

Format

A data frame with 15 observations on the following variable.

C1 a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex07.46)
str(ex07.46)

---

ex07.47  R Data set: ex07.47

Description

The ex07.47 data frame has 48 rows and 1 column.

Usage

data(ex07.47)

Format

A data frame with 48 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex07.47)
str(ex07.47)
Description
The `ex07.49` data frame has 18 rows and 1 column.

Usage
```r
data(ex07.49)
```

Format
A data frame with 18 observations on the following variable.

- `C1` a numeric vector

Details
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source

Examples
```r
data(ex07.49)
str(ex07.49)
```

Description
The `ex07.56` data frame has 16 rows and 1 column.

Usage
```r
data(ex07.56)
```

Format
A data frame with 16 observations on the following variable.

- `C1` a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex07.58)
str(ex07.58)

Description
The ex07.58 data frame has 6 rows and 1 column.

Usage
data(ex07.58)

Format
A data frame with 6 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex07.58)
str(ex07.58)
**Description**

The `ex08.32` data frame has 12 rows and 1 column.

**Usage**

```r
data(ex08.32)
```

**Format**

A data frame with 12 observations on the following variable.

- **c1** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.32)
str(ex08.32)
```

---

**Description**

The `ex08.54` data frame has 30 rows and 1 column.

**Usage**

```r
data(ex08.54)
```

**Format**

A data frame with 30 observations on the following variable.

- **percorg** a numeric vector
**Details**

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.55)
str(ex08.55)
```

---

**Description**

The ex08.55 data frame has 13 rows and 1 column.

**Usage**

```r
data(ex08.55)
```

**Format**

A data frame with 13 observations on the following variable.

- **times** a numeric vector

**Details**

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.55)
str(ex08.55)
```
### ex08.56

**R Data set: ex08.56**

**Description**

The ex08.56 data frame has 30 rows and 1 column.

**Usage**

```r
data(ex08.56)
```

**Format**

A data frame with 30 observations on the following variable.

- `percorg` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.56)
str(ex08.56)
```

### ex08.57

**R Data set: ex08.57**

**Description**

The ex08.57 data frame has 13 rows and 1 column.

**Usage**

```r
data(ex08.57)
```

**Format**

A data frame with 13 observations on the following variable.

- `C1` a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex08.66)
str(ex08.66)

Description
The ex08.66 data frame has 8 rows and 1 column.

Usage
data(ex08.66)

Format
A data frame with 8 observations on the following variable.

SoilHeat a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex08.66)
str(ex08.66)
**Description**

The `ex08.68` data frame has 8 rows and 1 column.

**Usage**

```r
data(ex08.68)
```

**Format**

A data frame with 8 observations on the following variable.

- **C1** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.68)
str(ex08.68)
```

---

**Description**

The `ex08.70` data frame has 20 rows and 1 column.

**Usage**

```r
data(ex08.70)
```

**Format**

A data frame with 20 observations on the following variable.

- **time** a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex08.80)
str(ex08.80)

Description
The ex08.80 data frame has 10 rows and 1 column.

Usage
data(ex08.80)

Format
A data frame with 10 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex08.80)
str(ex08.80)
**ex08.83**

R Data set: ex08.83

**Description**

The ex08.83 data frame has 10 rows and 1 column.

**Usage**

```r
data(ex08.83)
```

**Format**

A data frame with 10 observations on the following variable.

- **c1**: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex08.83)
str(ex08.83)
```

---

**ex09.07**

R Data set: ex09.07

**Description**

The ex09.07 data frame has 2 rows and 4 columns.

**Usage**

```r
data(ex09.07)
```
Format

A data frame with 2 observations on the following 4 variables.

Gender  a factor with levels Females Males
Sample.Size  a numeric vector
Sample.Mean  a numeric vector
Sample.Standard Deviation  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.12)
str(ex09.12)

Description

The ex09.12 data frame has 2 rows and 4 columns.

Usage

data(ex09.12)

Format

A data frame with 2 observations on the following 4 variables.

Age.days  a numeric vector
Sample.Size  a numeric vector
Sample.Mean  a numeric vector
Sample.Standard Deviation  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex09.16)
str(ex09.16)

---

**ex09.16**

* R Data set: ex09.16

Description

The ex09.16 data frame has 2 rows and 3 columns.

Usage

data(ex09.16)

Format

A data frame with 2 observations on the following 3 variables.

- Type a numeric vector
- Sample.Average a numeric vector
- Sample.Standard.Deviation a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex09.16)
str(ex09.16)
Description

The ex09.23 data frame has 24 rows and 2 columns.

Usage

data(ex09.23)

Format

A data frame with 24 observations on the following 2 variables.

H  a numeric vector
P  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.23)
str(ex09.23)

data(ex09.25)
str(ex09.25)

Description

The ex09.25 data frame has 2 rows and 4 columns.

Usage

data(ex09.25)
Format

A data frame with 2 observations on the following 4 variables.

Condition  a factor with levels LBP No LBP
Sample.size a numeric vector
Sample.mean a numeric vector
Sample.SD  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.25)
str(ex09.25)

Description

The ex09.27 data frame has 2 rows and 4 columns.

Usage

data(ex09.27)

Format

A data frame with 2 observations on the following 4 variables.

Type.of.Player  a factor with levels Advanced Intermediate
Sample.size    a numeric vector
Sample.mean    a numeric vector
Sample.standard.deviation a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Description

The ex09.28 data frame has 10 rows and 2 columns.

Usage

data(ex09.28)

Format

A data frame with 10 observations on the following 2 variables.

YF a numeric vector
OF a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.28)
str(ex09.28)
Description

The ex09.29 data frame has 2 rows and 4 columns.

Usage

data(ex09.29)

Format

A data frame with 2 observations on the following 4 variables.

Beverage  a factor with levels Cola Strawberry drink
Sample.size a numeric vector
Sample.mean a numeric vector
Sample.standard.deviation a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.29)
str(ex09.29)

Description

The ex09.30 data frame has 2 rows and 4 columns.

Usage

data(ex09.30)
Format

A data frame with 2 observations on the following 4 variables.

- **Type**: a factor with levels Commercial, carbon, grid, Fiberglass, grid
- **Sample.size**: a numeric vector
- **Sample.mean**: a numeric vector
- **Sample.standard.deviation**: a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex09.31)
str(ex09.31)

---

Description

The ex09.31 data frame has 11 rows and 1 column.

Usage

data(ex09.31)

Format

A data frame with 11 observations on the following variable.

- **C1**: a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source

Description

The `ex09.32` data frame has 2 rows and 4 columns.

Usage

```r
data(ex09.32)
```

Format

A data frame with 2 observations on the following 4 variables.

- `type_of_wood` a factor with levels `Douglas fir`, `Red oak`
- `sample_size` a numeric vector
- `sample_mean` a numeric vector
- `sample_standard_deviation` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex09.32)
str(ex09.32)
```
Description

The ex09.33 data frame has 2 rows and 4 columns.

Usage

data(ex09.33)

Format

A data frame with 2 observations on the following 4 variables.

- treatment: a factor with levels control steroid
- sampleNsize: a numeric vector
- sampleNmean: a numeric vector
- sampleNstandardNdeviation: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.33)
str(ex09.33)

Description

The ex09.36 data frame has 8 rows and 3 columns.

Usage

data(ex09.36)
Format

A data frame with 8 observations on the following 3 variables.

Fabric  a numeric vector
U       a numeric vector
A       a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.37)
str(ex09.37)

Description

The ex09.37 data frame has 33 rows and 3 columns.

Usage

data(ex09.37)

Format

A data frame with 33 observations on the following 3 variables.

House  a numeric vector
Indoor a numeric vector
Outdoor a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
**Source**


**Examples**

```r
data(ex09.38)
str(ex09.38)
```

---

**Description**

The `ex09.38` data frame has 15 rows and 3 columns.

**Usage**

```r
data(ex09.38)
```

**Format**

A data frame with 15 observations on the following 3 variables.

- `Test.condition` a numeric vector
- `Normal` a numeric vector
- `High` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex09.38)
str(ex09.38)
```
Description

The ex09.39 data frame has 14 rows and 4 columns.

Usage

data(ex09.39)

Format

A data frame with 14 observations on the following 4 variables.

- Infant  a numeric vector
- Isotopic.method  a numeric vector
- Test  a numeric vector
- Difference  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.39)
str(ex09.39)

Description

The ex09.40 data frame has 16 rows and 3 columns.

Usage

data(ex09.40)
Data frame with 16 observations on the following 3 variables:

Period: a numeric vector
Pipe: a numeric vector
Brush: a numeric vector

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.


The ex09.41 data frame has 9 rows and 3 columns.

Data frame with 9 observations on the following 3 variables:

Subject: a numeric vector
Black: a numeric vector
White: a numeric vector

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
**Source**


**Examples**

```r
data(ex09.43)
str(ex09.43)
```

---

**ex09.43**  
*R Data set: ex09.43*

**Description**

The `ex09.43` data frame has 15 rows and 1 column.

**Usage**

```r
data(ex09.43)
```

**Format**

A data frame with 15 observations on the following variable.

- **c1** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex09.43)
str(ex09.43)
```
**Description**

The `ex09.44` data frame has 16 rows and 2 columns.

**Usage**

```r
data(ex09.44)
```

**Format**

A data frame with 16 observations on the following 2 variables.

- `x1min` a numeric vector
- `x4weeks` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex09.44)
str(ex09.44)
```

---

**Description**

The `ex09.63` data frame has 4 rows and 2 columns.

**Usage**

```r
data(ex09.63)
```
Format

A data frame with 4 observations on the following 2 variables.

- Epoxy  a numeric vector
- MMA.prepolymer  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.65)
str(ex09.65)

Description

The ex09.65 data frame has 3 rows and 4 columns.

Usage

data(ex09.65)

Format

A data frame with 3 observations on the following 4 variables.

- C1  a factor with levels Fixed Floating Method
- C2  a factor with levels 10 size
- C3  a factor with levels 757 807 mean
- C4  a factor with levels 27 41 SD

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source

Examples
```r
data(ex09.66)
str(ex09.66)
```

---

**R Data set: ex09.66**

**Description**
The `ex09.66` data frame has 8 rows and 2 columns.

**Usage**
```r
data(ex09.66)
```

**Format**
A data frame with 8 observations on the following 2 variables.

- `Fertilizer.plots` a numeric vector
- `Control.plots` a numeric vector

**Details**
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

**Examples**
```r
data(ex09.66)
str(ex09.66)
```
**Description**

The `ex09.68` data frame has 24 rows and 2 columns.

**Usage**

```r
data(ex09.68)
```

**Format**

A data frame with 24 observations on the following 2 variables.

- Pitcher.sampling: a numeric vector
- Block.sampling: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex09.68)
str(ex09.68)
```

---

**Description**

The `ex09.70` data frame has 5 rows and 4 columns.

**Usage**

```r
data(ex09.70)
```
Format

A data frame with 5 observations on the following 4 variables.

- C1: a factor with levels C1 Type Without side coating With side coating
- C2: a factor with levels 10 C2 Sample size
- C3: a factor with levels 63.23 80.95 C3 mean Sample
- C4: a factor with levels 5.96 9.59 C4 Sample SD

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(ex09.72)
str(ex09.72)
```

---

**ex09.72**  
*R Data set: ex09.72*

Description

The ex09.72 data frame has 17 rows and 3 columns.

Usage

```r
data(ex09.72)
```

Format

A data frame with 17 observations on the following 3 variables.

- Motor: a numeric vector
- Commutator: a numeric vector
- Pinion: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
### Description

The `ex09.76` data frame has 6 rows and 4 columns.

### Usage

```r
data(ex09.76)
str(ex09.76)
```

### Format

A data frame with 6 observations on the following 4 variables.

- **C1**: a factor with levels `C1 Clean Site Steam plant`
- **C2**: a factor with levels `8 9 C2 Sample size`
- **C3**: a factor with levels `11 18 C3 concentration Mean log`
- **C4**: a factor with levels `4.6 4.9 C4 concentration of log SD`

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex09.76)
str(ex09.76)
```
Description

The ex09.77 data frame has 5 rows and 3 columns.

Usage

data(ex09.77)

Format

A data frame with 5 observations on the following 3 variables.

Twist.multiple  a numeric vector
Control.strength  a numeric vector
Heated.strength  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.77)
str(ex09.77)

Description

The ex09.78 data frame has 5 rows and 4 columns.

Usage

data(ex09.78)
Format

A data frame with 5 observations on the following 4 variables.

C1 a factor with levels C1 Elderly men Group Young
C2 a factor with levels 12 13 C2 Sample size
C3 a factor with levels 6.71 7.47 C3 mean Sample
C4 a factor with levels 0.22 0.28 C4 error Standard

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.79)
str(ex09.79)

Description

The ex09.79 data frame has 8 rows and 2 columns.

Usage

data(ex09.79)

Format

A data frame with 8 observations on the following 2 variables.

Good.visibility a numeric vector
Poor.visibility a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex09.82)
str(ex09.82)

---

**R Data set: ex09.82**

Description

The `ex09.82` data frame has 7 rows and 2 columns.

Usage

data(ex09.82)

Format

A data frame with 7 observations on the following 2 variables.

- **expend** a numeric vector
- **intake** a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex09.82)
str(ex09.82)
Description

The ex09.86 data frame has 4 rows and 3 columns.

Usage

data(ex09.86)

Format

A data frame with 4 observations on the following 3 variables.

Treatment  a numeric vector
n         a numeric vector
SD         a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.86)
str(ex09.86)

Description

The ex09.88 data frame has 2 rows and 9 columns.

Usage

data(ex09.88)
Format

A data frame with 2 observations on the following 9 variables.

C1 a factor with levels Carpeted: Uncarpeted:
C2 a numeric vector
C3 a numeric vector
C4 a numeric vector
C5 a numeric vector
C6 a numeric vector
C7 a numeric vector
C8 a numeric vector
C9 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.88)
str(ex09.88)

R Data set: ex09.90

Description

The ex09.90 data frame has 3 rows and 9 columns.

Usage

data(ex09.90)
Format

A data frame with 3 observations on the following 9 variables.

- C1: a factor with levels Frequency Region 1 Region 2
- C2: a numeric vector
- C3: a numeric vector
- C4: a numeric vector
- C5: a numeric vector
- C6: a numeric vector
- C7: a numeric vector
- C8: a numeric vector
- C9: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex09.92)
str(ex09.92)

Description

The ex09.92 data frame has 8 rows and 3 columns.

Usage

data(ex09.92)

Format

A data frame with 8 observations on the following 3 variables.

- Number: a numeric vector
- Region1: a numeric vector
- Region2: a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex10.06)
str(ex10.06)

Description
The ex10.06 data frame has 40 rows and 2 columns.

Usage
data(ex10.06)

Format
A data frame with 40 observations on the following 2 variables.

Fe a numeric vector
formation.group a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex10.06)
str(ex10.06)
**Description**

The `ex10.08` data frame has 35 rows and 2 columns.

**Usage**

```r
data(ex10.08)
```

**Format**

A data frame with 35 observations on the following 2 variables.

- `stiffness` a numeric vector
- `plate.lengths` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex10.08)
str(ex10.08)
```

---

**Description**

The `ex10.09` data frame has 24 rows and 2 columns.

**Usage**

```r
data(ex10.09)
```
**ex10.18**

---

**Format**

A data frame with 24 observations on the following 2 variables.

- **thiamin** a numeric vector
- **type** a factor with levels Barley Maize Oats Wheat

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex10.09)
str(ex10.09)
```

---

**ex10.18**

R Data set: ex10.18

---

**Description**

The `ex10.18` data frame has 4 rows and 5 columns.

**Usage**

```r
data(ex10.18)
```

**Format**

A data frame with 4 observations on the following 5 variables.

- **Hormone.1** a numeric vector
- **Hormone.2** a numeric vector
- **Hormone.3** a numeric vector
- **Hormone.4** a numeric vector
- **Hormone.5** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Source

Examples
data(ex10.22)
str(ex10.22)

---

### Description

The ex10.22 data frame has 5 rows and 4 columns.

### Usage
data(ex10.22)

### Format

A data frame with 5 observations on the following 4 variables.

- **level.1.6**: a numeric vector
- **level.3.8**: a numeric vector
- **level.6.0**: a numeric vector
- **level.10.2**: a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples
data(ex10.22)
str(ex10.22)
Description

The ex10.26 data frame has 5 rows and 6 columns.

Usage

data(ex10.26)

Format

A data frame with 5 observations on the following 6 variables.

Imperial a numeric vector
Parkay a numeric vector
Blue.Bonnet a numeric vector
Chiffon a numeric vector
Mazola a numeric vector
Fleischmann a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex10.26)
str(ex10.26)
The *ex10.27* data frame has 6 rows and 4 columns.

**Usage**

```r
data(ex10.27)
```

**Format**

A data frame with 6 observations on the following 4 variables.

- Brand. 1: a numeric vector
- Brand. 2: a numeric vector
- Brand. 3: a numeric vector
- Brand. 4: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex10.27)
str(ex10.27)
```

The *ex10.32* data frame has 5 rows and 4 columns.

**Usage**

```r
data(ex10.32)
```
Format

A data frame with 5 observations on the following 4 variables.

A a numeric vector
B a numeric vector
C a numeric vector
D a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex10.32)
str(ex10.32)

---

ex10.36 R Data set: ex10.36

Description

The ex10.36 data frame has 4 rows and 5 columns.

Usage

data(ex10.36)

Format

A data frame with 4 observations on the following 5 variables.

L.D a numeric vector
R a numeric vector
R.L a numeric vector
C a numeric vector
C.L a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex10.37)
str(ex10.37)

### ex10.37

*R Data set: ex10.37*

Description

The `ex10.37` data frame has 6 rows and 5 columns.

Usage

data(ex10.37)

Format

A data frame with 6 observations on the following 5 variables.

- `brand1` a numeric vector
- `brand2` a numeric vector
- `brand3` a numeric vector
- `brand4` a numeric vector
- `brand5` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex10.37)
str(ex10.37)
Description

The ex10.41 data frame has 3 rows and 4 columns.

Usage

data(ex10.41)

Format

A data frame with 3 observations on the following 4 variables.

Lab. 1 a numeric vector
Lab. 2 a numeric vector
Lab. 3 a numeric vector
Lab. 4 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex10.41)
str(ex10.41)

Description

The ex10.42 data frame has 19 rows and 2 columns.

Usage

data(ex10.42)
**Format**

A data frame with 19 observations on the following 2 variables.

- `cfl` a numeric vector
- `color` a factor with levels Blue Brown Green

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex10.44)
str(ex10.44)
```

**Description**

The `ex10.44` data frame has 3 rows and 4 columns.

**Usage**

```r
data(ex10.44)
```

**Format**

A data frame with 3 observations on the following 4 variables.

- `OCM` a numeric vector
- `PIM` a numeric vector
- `RM` a numeric vector
- `PCM` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Description

The ex11.02 data frame has 12 rows and 3 columns.

Usage

data(ex11.02)

Format

A data frame with 12 observations on the following 3 variables.

Response  a numeric vector
Coating.A  a numeric vector
Soil.Type.B  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.02)
str(ex11.02)
Description

The `ex11.03` data frame has 17 rows and 3 columns.

Usage

data(ex11.03)

Format

A data frame with 17 observations on the following 3 variables.

- **C1**: a factor with levels 200 226 240 261 278 312 330 369 381 416 462 500 517 575 645 733
- **C2**: a factor with levels 1(200) 2(400) 3(700) 4(1100)
- **C3**: a factor with levels 1(190) 2(250) 3(300) 4(400)

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex11.03)
str(ex11.03)
```

Description

The `ex11.04` data frame has 12 rows and 3 columns.

Usage

data(ex11.04)
Format

A data frame with 12 observations on the following 3 variables.

Response a numeric vector
Paint.Brand a numeric vector
Roller.Brand a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.04)
str(ex11.04)

data(ex11.05)
str(ex11.05)

Description

The ex11.05 data frame has 20 rows and 3 columns.

Usage

data(ex11.05)

Format

A data frame with 20 observations on the following 3 variables.

force a numeric vector
connector a numeric vector
angle a factor with levels 0 deg 2 deg 4 deg 6 deg

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Description

The ex11.08 data frame has 30 rows and 3 columns.

Usage

data(ex11.08)

Format

A data frame with 30 observations on the following 3 variables.

epiniphra numeric vector
Anesthetafactor with levels 1 2 3
Subjectafactor with levels 1 2 3 4 5 6 7 8 9 10

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.08)
str(ex11.08)
### Description

The `ex11.09` data frame has 36 rows and 3 columns.

### Usage

```r
data(ex11.09)
```

### Format

A data frame with 36 observations on the following 3 variables.

- `response` a numeric vector
- `type` a numeric vector
- `subject` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex11.09)
str(ex11.09)
```

---

### Description

The `ex11.10` data frame has 10 rows and 4 columns.

### Usage

```r
data(ex11.10)
```
Format

A data frame with 10 observations on the following 4 variables.

Batch  a numeric vector
Method.A  a numeric vector
Method.B  a numeric vector
Method.C  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.15)
str(ex11.15)

R Data set: ex11.15

Description

The ex11.15 data frame has 18 rows and 4 columns.

Usage

data(ex11.15)

Format

A data frame with 18 observations on the following 4 variables.

Sand  a factor with levels 0 15 30
Carbon  a factor with levels 0 0.25 0.5
Hardness  a numeric vector
Strength  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex11.16)
str(ex11.16)

---

**Description**

The ex11.16 data frame has 18 rows and 3 columns.

**Usage**

data(ex11.16)

**Format**

A data frame with 18 observations on the following 3 variables.

- **Response** a numeric vector
- **formulat** a factor with levels 1 2
- **Speed** a factor with levels 60 70 80

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex11.16)
str(ex11.16)
Description

The ex11.17 data frame has 18 rows and 4 columns.

Usage

data(ex11.17)

Format

A data frame with 18 observations on the following 4 variables.

- Sand.Addition.perc a numeric vector
- Carbon.Fiber.Addition.perc a numeric vector
- Casting.hardness a numeric vector
- Wet.Mold.Strength a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.17)
str(ex11.17)

Description

The ex11.18 data frame has 18 rows and 3 columns.

Usage

data(ex11.18)
Format

A data frame with 18 observations on the following 3 variables.

Yield a numeric vector
Speed a numeric vector
Formulation a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.20)
str(ex11.20)

Description

The ex11.20 data frame has 18 rows and 3 columns.

Usage

data(ex11.20)

Format

A data frame with 18 observations on the following 3 variables.

current a numeric vector
glass a factor with levels 1 2
phosphor a factor with levels 1 2 3

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
**Source**


**Examples**

```r
data(ex11.29)
str(ex11.29)
```

---

**Description**

The `ex11.29` data frame has 96 rows and 4 columns.

**Usage**

```r
data(ex11.29)
```

**Format**

A data frame with 96 observations on the following 4 variables.

- `length`  a numeric vector
- `time`  a factor with levels 1 2 3
- `heat`  a factor with levels 1 2
- `machine`  a factor with levels 1 2 3 4

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex11.29)
str(ex11.29)
```
### Description

The `ex11.31` data frame has 27 rows and 4 columns.

### Usage

```r
data(ex11.31)
```

### Format

A data frame with 27 observations on the following 4 variables.

- **Yield**: a numeric vector
- **time**: a factor with levels 1 2 3
- **temperature**: a factor with levels 1 2 3
- **pressure**: a factor with levels 1 2 3

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex11.31)
str(ex11.31)
```

---

### Description

The `ex11.34` data frame has 36 rows and 4 columns.

### Usage

```r
data(ex11.34)
```
Format
A data frame with 36 observations on the following 4 variables.

Sales  a numeric vector
store  a factor with levels 1 2 3 4 5 6
week  a factor with levels 1 2 3 4 5 6
shelf  a factor with levels 1 2 3 4 5 6

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex11.34)
str(ex11.34)

Description
The ex11.35 data frame has 25 rows and 4 columns.

Usage
data(ex11.35)

Format
A data frame with 25 observations on the following 4 variables.

Moisture  a numeric vector
plant  a factor with levels 1 2 3 4 5
leafsize  a factor with levels 1 2 3 4 5
time  a factor with levels 1 2 3 4 5

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex11.39)
str(ex11.39)

---

**Description**

The ex11.39 data frame has 24 rows and 4 columns.

**Usage**

data(ex11.39)

**Format**

A data frame with 24 observations on the following 4 variables.

- `cleaning` a numeric vector
- `detergent` a factor with levels 1 2
- `carbonat` a factor with levels 1 2
- `cellulos` a factor with levels 1 2

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex11.39)
str(ex11.39)
Description
The ex11.40 data frame has 32 rows and 5 columns.

Usage
data(ex11.40)

Format
A data frame with 32 observations on the following 5 variables.

- sizing  a numeric vector
- conc   a factor with levels 50 75
- pH     a factor with levels 6 7
- temp ure  a factor with levels 60 70
- time   a factor with levels 6 8

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex11.40)
str(ex11.40)
Description

The ex11.42 data frame has 48 rows and 5 columns.

Usage

data(ex11.42)

Format

A data frame with 48 observations on the following 5 variables.

- consump: a numeric vector
- roof: a factor with levels 1 1
- power: a factor with levels 1 1
- scrap: a factor with levels 1 1
- charge: a factor with levels 1 1

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.42)
str(ex11.42)
Description

The ex11.43 data frame has 16 rows and 5 columns.

Usage

data(ex11.43)

Format

A data frame with 16 observations on the following 5 variables.

duration  a numeric vector
vibratn   a factor with levels M1 1
tempture  a factor with levels M1 1
altitude   a factor with levels M1 1
firing     a factor with levels M1 1

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.43)
str(ex11.43)
Description

The ex11.48 data frame has 8 rows and 5 columns.

Usage

data(ex11.48)

Format

A data frame with 8 observations on the following 5 variables.

- thrust  a numeric vector
- vibratn  a factor with levels -1 1
- tempture  a factor with levels -1 1
- altitude  a factor with levels -1 1
- firing  a factor with levels -1 1

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.48)
str(ex11.48)
**Description**

The `ex11.50` data frame has 45 rows and 3 columns.

**Usage**

```r
data(ex11.50)
```

**Format**

A data frame with 45 observations on the following 3 variables.

- **fabric**: a factor with levels `Broadcloth` `Corduroy` `Crepe` `Denim` `Double knit` `Sheeting` `Terry` `Twill` `Twill mix`
- **response**: a numeric vector
- **drying**: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex11.50)
str(ex11.50)
```

---

**Description**

The `ex11.52` data frame has 16 rows and 3 columns.

**Usage**

```r
data(ex11.52)
```
**Format**

A data frame with 16 observations on the following 3 variables.

- Response  a numeric vector
- Sowing Rate kg ha  a numeric vector
- Plot  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```
data(ex11.52)
str(ex11.52)
```

---

**Description**

The ex11.53 data frame has 8 rows and 6 columns.

**Usage**

```
data(ex11.53)
```

**Format**

A data frame with 8 observations on the following 6 variables.

- Run  a numeric vector
- Spray Volume  a factor with levels `-` `+`
- Belt Speed  a factor with levels `-` `+`
- Brand  a factor with levels `-` `+`
- Replication.1  a numeric vector
- Replication.2  a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.53)
str(ex11.53)

R Data set: ex11.54

Description

The ex11.54 data frame has 8 rows and 5 columns.

Usage

data(ex11.54)

Format

A data frame with 8 observations on the following 5 variables.

Sample.number  a numeric vector
Factor.A       a numeric vector
Factor.B       a numeric vector
Factor.C       a numeric vector
Resonse.EC50   a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.54)
str(ex11.54)
Description

The ex11.55 data frame has 16 rows and 2 columns.

Usage

data(ex11.55)

Format

A data frame with 16 observations on the following 2 variables.

Test.Run a numeric vector
Iron.Extraction a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.55)
str(ex11.55)

Description

The ex11.56 data frame has 30 rows and 3 columns.

Usage

data(ex11.56)
A data frame with 30 observations on the following 3 variables.

- **C1**: a numeric vector
- **C2**: a factor with levels pH 3 pH 5.5 pH 7
- **C3**: a factor with levels Diseased Healthy

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex11.56)
str(ex11.56)
```

---

**Description**

The ex11.57 data frame has 54 rows and 4 columns.

**Usage**

```r
data(ex11.57)
```

**Format**

A data frame with 54 observations on the following 4 variables.

- **Response**: a numeric vector
- **Pressure**: a factor with levels Pressure 103.4 Pressure 17.2 Pressure 34.4
- **Temp**: a factor with levels 50 degrees 75 degrees 8 degrees
- **Fabric**: a factor with levels 420-D 630-D 840-D

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Source


Examples

```r
data(ex11.59)
str(ex11.59)
```

Description

The `ex11.59` data frame has 36 rows and 4 columns.

Usage

```r
data(ex11.59)
```

Format

A data frame with 36 observations on the following 4 variables.

- `Cure.Time.1` a numeric vector
- `Adhesive.type` a factor with levels `Copper Nickel`
- `Adhesive.factor` a numeric vector
- `Cure.Time` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex11.59)
str(ex11.59)
```
Description

The ex11.61 data frame has 25 rows and 5 columns.

Usage

data(ex11.61)

Format

A data frame with 25 observations on the following 5 variables.

weight  a numeric vector
volume  a factor with levels 1 2 3 4 5
color   a factor with levels 1 2 3 4 5
size    a factor with levels 1 2 3 4 5
time    a factor with levels 1 2 3 4 5

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex11.61)
str(ex11.61)
Description

The ex12.01 data frame has 24 rows and 2 columns.

Usage

data(ex12.01)

Format

A data frame with 24 observations on the following 2 variables.

`Temp` a numeric vector
`Ratio` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.01)
str(ex12.01)

Description

The ex12.02 data frame has 10 rows and 4 columns.

Usage

data(ex12.02)
Format

A data frame with 10 observations on the following 4 variables.

- Engine a numeric vector
- Age a numeric vector
- Baseline a numeric vector
- Reformulated a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.02)
str(ex12.02)

Description

The ex12.03 data frame has 20 rows and 2 columns.

Usage

data(ex12.03)

Format

A data frame with 20 observations on the following 2 variables.

- x a numeric vector
- y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex12.03)
str(ex12.03)

---

**Description**

The `ex12.04` data frame has 14 rows and 2 columns.

**Usage**

data(ex12.04)

**Format**

A data frame with 14 observations on the following 2 variables.

- **x**: a numeric vector
- **y**: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex12.04)
str(ex12.04)
ex12.05  

R Data set: ex12.05

Description
The ex12.05 data frame has 7 rows and 2 columns.

Usage

```
data(ex12.05)
```

Format

A data frame with 7 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```
data(ex12.05)
str(ex12.05)
```

---

ex12.13  

R Data set: ex12.13

Description
The ex12.13 data frame has 4 rows and 2 columns.

Usage

```
data(ex12.13)
```
**Format**

A data frame with 4 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.13)
str(ex12.13)
```

---

**Description**

The `ex12.15` data frame has 27 rows and 2 columns.

**Usage**

```r
data(ex12.15)
```

**Format**

A data frame with 27 observations on the following 2 variables.

- `moe` a numeric vector
- `strength` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples

```r
data(ex12.15)
str(ex12.15)
```

---

**Description**

The `ex12.16` data frame has 15 rows and 2 columns.

**Usage**

```r
data(ex12.16)
```

**Format**

A data frame with 15 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.16)
str(ex12.16)
```
Description

The `ex12.19` data frame has 14 rows and 2 columns.

Usage

```r
data(ex12.19)
```

Format

A data frame with 14 observations on the following 2 variables.

- `X` a numeric vector
- `Y` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex12.19)
str(ex12.19)
```

Description

The `ex12.20` data frame has 13 rows and 2 columns.

Usage

```r
data(ex12.20)
```
Format

A data frame with 13 observations on the following 2 variables.

X a numeric vector
Y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.20)
str(ex12.20)

Description

The ex12.21 data frame has 10 rows and 2 columns.

Usage

data(ex12.21)

Format

A data frame with 10 observations on the following 2 variables.

space  a numeric vector
distance a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(ex12.24)
str(ex12.24)
```

---

### Description

The `ex12.24` data frame has 6 rows and 2 columns.

### Usage

```r
data(ex12.24)
```

### Format

A data frame with 6 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex12.24)
str(ex12.24)
```
### Description

The ex12.29 data frame has 18 rows and 3 columns.

### Usage

```r
data(ex12.29)
```

### Format

A data frame with 18 observations on the following 3 variables.

- **x**: a numeric vector
- **y**: a numeric vector
- **Data.Set**: a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex12.29)
str(ex12.29)
```

---

### Description

The ex12.35 data frame has 10 rows and 2 columns.

### Usage

```r
data(ex12.35)
```
Format

A data frame with 10 observations on the following 2 variables.

- x  a numeric vector
- y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.36)
str(ex12.36)
**Examples**

```r
data(ex12.36)
str(ex12.36)
```

---

**Description**

The `ex12.37` data frame has 10 rows and 2 columns.

**Usage**

```r
data(ex12.37)
```

**Format**

A data frame with 10 observations on the following 2 variables.

- `pressure` a numeric vector
- `time` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.37)
str(ex12.37)
```
ex12.46  

**Description**  
The ex12.46 data frame has 13 rows and 2 columns.

**Usage**  
`data(ex12.46)`

**Format**  
A data frame with 13 observations on the following 2 variables.  
- `x` a numeric vector  
- `y` a numeric vector

**Details**  
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**  

**Examples**  
`data(ex12.46)`
`str(ex12.46)`

---

ex12.50  

**Description**  
The ex12.50 data frame has 11 rows and 2 columns.

**Usage**  
`data(ex12.50)`
Format
A data frame with 11 observations on the following 2 variables.

field  a numeric vector
time   a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(ex12.50)
str(ex12.50)

Description
The ex12.52 data frame has 9 rows and 2 columns.

Usage
data(ex12.52)

Format
A data frame with 9 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
**Description**

The `ex12.54` data frame has 14 rows and 2 columns.

**Usage**

```r
data(ex12.54)
```

**Format**

A data frame with 14 observations on the following 2 variables.

- `X` a numeric vector
- `Y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.54)
str(ex12.54)
```
Description

The ex12.55 data frame has 12 rows and 2 columns.

Usage

data(ex12.55)

Format

A data frame with 12 observations on the following 2 variables.

X a numeric vector
Y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.55)
str(ex12.55)
**ex12.59**

**Format**

A data frame with 12 observations on the following 2 variables.

- TOST  a numeric vector
- RBOY  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.58)
str(ex12.58)
```

---

**ex12.59**

*R Data set: ex12.59*

---

**Description**

The ex12.59 data frame has 18 rows and 2 columns.

**Usage**

```r
data(ex12.59)
```

**Format**

A data frame with 18 observations on the following 2 variables.

- x  a numeric vector
- y  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples

```r
data(ex12.59)
str(ex12.59)
```

---

**Description**

The `ex12.61` data frame has 14 rows and 2 columns.

**Usage**

```r
data(ex12.61)
```

**Format**

A data frame with 14 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.61)
str(ex12.61)
```
Description

The ex12.62 data frame has 14 rows and 2 columns.

Usage

data(ex12.62)

Format

A data frame with 14 observations on the following 2 variables.

Col1  a numeric vector
Col2  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.62)
str(ex12.62)

Description

The ex12.63 data frame has 6 rows and 2 columns.

Usage

data(ex12.63)
Format

A data frame with 6 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex1.65)
str(ex1.65)

---

ex12.65  R Data set: ex12.65

Description

The ex12.65 data frame has 10 rows and 2 columns.

Usage

data(ex12.65)

Format

A data frame with 10 observations on the following 2 variables.

X  a numeric vector
Y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(ex12.68)
str(ex12.68)
```

---

**Description**

The `ex12.68` data frame has 8 rows and 2 columns.

**Usage**

```r
data(ex12.68)
```

**Format**

A data frame with 8 observations on the following 2 variables.

- `RDF` a numeric vector
- `eff` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.68)
str(ex12.68)
```
Description

The ex12.69 data frame has 13 rows and 2 columns.

Usage

data(ex12.69)

Format

A data frame with 13 observations on the following 2 variables.

drain.wt a numeric vector
Cl.trace a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.69)
str(ex12.69)

Description

The ex12.71 data frame has 17 rows and 2 columns.

Usage

data(ex12.71)
Format

A data frame with 17 observations on the following 2 variables.

X a numeric vector
Y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples
data(ex12.71)
str(ex12.71)

---

R Data set: ex12.72

Description

The ex12.72 data frame has 9 rows and 2 columns.

Usage
data(ex12.72)

Format

A data frame with 9 observations on the following 2 variables.

c0 a numeric vector
n03 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex12.73)
str(ex12.73)

---
ex12.73  R Data set: ex12.73

Description
The ex12.73 data frame has 9 rows and 2 columns.

Usage
data(ex12.73)

Format
A data frame with 9 observations on the following 2 variables.

X  a numeric vector
Y  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex12.73)
str(ex12.73)
Description

The ex12.75 data frame has 9 rows and 2 columns.

Usage

data(ex12.75)

Format

A data frame with 9 observations on the following 2 variables.

X a numeric vector
Y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex12.75)
str(ex12.75)

Description

The ex12.82 data frame has 33 rows and 2 columns.

Usage

data(ex12.82)
Format

A data frame with 33 observations on the following 2 variables.

- temp: a numeric vector
- removal: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(ex12.82)
str(ex12.82)
```

Description

The ex12.83 data frame has 24 rows and 2 columns.

Usage

```r
data(ex12.83)
```

Format

A data frame with 24 observations on the following 2 variables.

- time: a numeric vector
- bloodgluc: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(ex12.84)
str(ex12.84)
```

**Description**

The `ex12.84` data frame has 20 rows and 2 columns.

**Usage**

```r
data(ex12.84)
```

**Format**

A data frame with 20 observations on the following 2 variables.

- **HW**  a numeric vector
- **BOD**  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex12.84)
str(ex12.84)
```
**Description**

The ex13.02 data frame has 9 rows and 2 columns.

**Usage**

```r
data(ex13.02)
```

**Format**

A data frame with 9 observations on the following 2 variables.

- `x` a numeric vector
- `e` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.02)
str(ex13.02)
```

---

**Description**

The ex13.04 data frame has 10 rows and 2 columns.

**Usage**

```r
data(ex13.04)
```
**Format**

A data frame with 10 observations on the following 2 variables.

- **x** a numeric vector
- **y** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex1.04)
str(ex1.04)

---

**Description**

The ex13.05 data frame has 10 rows and 2 columns.

**Usage**

data(ex13.05)

**Format**

A data frame with 33 observations on the following 2 variables.

- **time** a numeric vector
- **icethick** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples

data(ex13.06)
str(ex13.06)

Description

The ex13.06 data frame has 6 rows and 2 columns.

Usage

data(ex13.06)

Format

A data frame with 6 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.06)
str(ex13.06)
Description

The ex13.07 data frame has 5 rows and 2 columns.

Usage

data(ex13.07)

Format

A data frame with 5 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.07)
str(ex13.07)

Description

The ex13.08 data frame has 15 rows and 2 columns.

Usage

data(ex13.08)
_format

A data frame with 15 observations on the following 2 variables.

- HR  a numeric vector
- VO2 a numeric vector

details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

source


examples

data(ex13.08)
str(ex13.08)

---

ex13.09  R Data set: ex13.09

description

The ex13.09 data frame has 44 rows and 3 columns.

usage

data(ex13.09)

format

A data frame with 44 observations on the following 3 variables.

- x  a numeric vector
- y  a numeric vector
- set  a factor with levels a b c d

details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

source

R Data set: ex13.09a

Description

The ex13.09a data frame has 11 rows and 2 columns.

Usage

data(ex13.09a)

Format

A data frame with 11 observations on the following 2 variables.

- x a numeric vector
- y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.09a)
str(ex13.09a)
Description
The ex13.09b data frame has 11 rows and 2 columns.

Usage
`data(ex13.09b)`

Format
A data frame with 11 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

Details
Consult the web site `http://www.thomsonedu.com/statistics/devore` for additional online resources that are available for this book.

Source

Examples
`data(ex13.09b)`
`str(ex13.09b)`

Description
The ex13.09c data frame has 11 rows and 2 columns.

Usage
`data(ex13.09c)`
**Format**

A data frame with 11 observations on the following 2 variables.

- **x** a numeric vector
- **y** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.09c)
str(ex13.09c)
```

---

**Description**

The `ex13.09d` data frame has 11 rows and 2 columns.

**Usage**

```r
data(ex13.09d)
```

**Format**

A data frame with 11 observations on the following 2 variables.

- **x** a numeric vector
- **y** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Description

The ex13.14 data frame has 14 rows and 2 columns.

Usage

data(ex13.14)

Format

A data frame with 14 observations on the following 2 variables.

Col1  a numeric vector
Col2  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.14)
str(ex13.14)
R Data set: ex13.15

Description

The ex13.15 data frame has 8 rows and 2 columns.

Usage

data(ex13.15)

Format

A data frame with 8 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.15)
str(ex13.15)

R Data set: ex13.16

Description

The ex13.16 data frame has 12 rows and 2 columns.

Usage

data(ex13.16)
Format

A data frame with 12 observations on the following 2 variables.

Spectral.Index a numeric vector
ln.L178 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.16)
str(ex13.16)

R Data set: ex13.17

Description

The ex13.17 data frame has 13 rows and 2 columns.

Usage

data(ex13.17)

Format

A data frame with 13 observations on the following 2 variables.

MassRate a numeric vector
FlameLen a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(ex13.17)
str(ex13.17)

Description

The ex13.18 data frame has 19 rows and 2 columns.

Usage

data(ex13.18)

Format

A data frame with 19 observations on the following 2 variables.

Cycfail a numeric vector
Strampl a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.18)
str(ex13.18)
**Description**

The `ex13.19` data frame has 18 rows and 2 columns.

**Usage**

`data(ex13.19)`

**Format**

A data frame with 18 observations on the following 2 variables.

- `Temp` a numeric vector
- `Lifetime` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.19)
str(ex13.19)
```

---

**Description**

The `ex13.21` data frame has 8 rows and 2 columns.

**Usage**

`data(ex13.21)`
Format

A data frame with 8 observations on the following 2 variables.

thicknss  a numeric vector
conduct   a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.24)
str(ex13.24)

dataHex1SNRTI
strHex1SNRTI

Description

The ex13.24 data frame has 22 rows and 2 columns.

Usage

data(ex13.24)

Format

A data frame with 22 observations on the following 2 variables.

Kyphosis a numeric vector
No.kyphosis a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(ex13.25)
str(ex13.25)
```

---

**Description**

The `ex13.25` data frame has 14 rows and 2 columns.

**Usage**

```r
data(ex13.25)
```

**Format**

A data frame with 14 observations on the following 2 variables.

- **Success** a numeric vector
- **Failure** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.25)
str(ex13.25)
```
Description

The ex13.27 data frame has 8 rows and 2 columns.

Usage

data(ex13.27)

Format

A data frame with 8 observations on the following 2 variables.

- x  a numeric vector
- y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.27)
str(ex13.27)

Description

The ex13.29 data frame has 5 rows and 2 columns.

Usage

data(ex13.29)
**Format**

A data frame with 5 observations on the following 2 variables.

- x a numeric vector
- y a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.30)
str(ex13.30)
```

---

**Description**

The *ex13.30* data frame has 14 rows and 2 columns.

**Usage**

```r
data(ex13.30)
```

**Format**

A data frame with 14 observations on the following 2 variables.

- x a numeric vector
- y a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

**Examples**

```r
data(ex13.31)
str(ex13.31)
```

---

**Description**

The `ex13.31` data frame has 7 rows and 2 columns.

**Usage**

```r
data(ex13.31)
```

**Format**

A data frame with 7 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.31)
str(ex13.31)
```
ex13.32  

**Description**  
The ex13.32 data frame has 16 rows and 2 columns.

**Usage**  
`data(ex13.32)`

**Format**  
A data frame with 16 observations on the following 2 variables.  

X  a numeric vector  
Y  a numeric vector

**Details**  
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**  

**Examples**  
```r  
data(ex13.32)  
str(ex13.32)  
```

---

ex13.33  

**Description**  
The ex13.33 data frame has 7 rows and 2 columns.

**Usage**  
`data(ex13.33)`
ex13.34

Format

A data frame with 7 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.34)
str(ex13.34)

R Data set: ex13.34

Description

The ex13.34 data frame has 13 rows and 2 columns.

Usage

data(ex13.34)

Format

A data frame with 13 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex13.34)
str(ex13.34)

Description
The ex13.35 data frame has 5 rows and 2 columns.

Usage
data(ex13.35)

Format
A data frame with 5 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex13.35)
str(ex13.35)
Description

The ex13.47 data frame has 30 rows and 6 columns.

Usage

data(ex13.47)

Format

A data frame with 30 observations on the following 6 variables.

- Row  a numeric vector
- Plastics  a numeric vector
- Paper  a numeric vector
- Garbage  a numeric vector
- Water  a numeric vector
- Energy.content  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.47)
str(ex13.47)
Description

The ex13.48 data frame has 15 rows and 4 columns.

Usage

data(ex13.48)

Format

A data frame with 15 observations on the following 4 variables.

- x1: a numeric vector
- x2: a numeric vector
- x3: a numeric vector
- y: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.48)
str(ex13.48)

Description

The ex13.49 data frame has 12 rows and 3 columns.

Usage

data(ex13.49)
Format

A data frame with 12 observations on the following 3 variables.

- x1 a numeric vector
- x2 a numeric vector
- y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.49)
str(ex13.49)
Source

Examples
data(ex13.51)
str(ex13.51)

---

ex13.51  
*R Data set: ex13.51*

Description
The ex13.51 data frame has 14 rows and 3 columns.

Usage
data(ex13.51)

Format
A data frame with 14 observations on the following 3 variables.

- shear  a numeric vector
- depth  a numeric vector
- water  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex13.51)
str(ex13.51)
Description

The ex13.52 data frame has 20 rows and 4 columns.

Usage

data(ex13.52)

Format

A data frame with 20 observations on the following 4 variables.

- Linoleic  a numeric vector
- Kerosene  a numeric vector
- Antiox    a numeric vector
- Betacaro  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

  data(ex13.52)
  str(ex13.52)

Description

The ex13.53 data frame has 17 rows and 3 columns.

Usage

  data(ex13.53)
**Format**

A data frame with 17 observations on the following 3 variables.

- x1  a numeric vector
- x2  a numeric vector
- filth  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.54)
str(ex13.54)
```

---

**Description**

The ex13.54 data frame has 31 rows and 5 columns.

**Usage**

```r
data(ex13.54)
```

**Format**

A data frame with 31 observations on the following 5 variables.

- Bright  a numeric vector
- H2O2  a numeric vector
- NaOH  a numeric vector
- Silicate  a numeric vector
- Tempture  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
**Source**


**Examples**

```r
data(ex13.54)
str(ex13.54)
```

---

**Description**

The `ex13.55` data frame has 10 rows and 3 columns.

**Usage**

```r
data(ex13.55)
```

**Format**

A data frame with 10 observations on the following 3 variables.

- q: a numeric vector
- a: a numeric vector
- b: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.55)
str(ex13.55)
```
Ex13.64

**Description**

The ex13.64 data frame has 16 rows and 2 columns.

**Usage**

```r
data(ex13.64)
```

**Format**

A data frame with 16 observations on the following 2 variables.

- `logNedges` a numeric vector
- `logNtime` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.64)
str(ex13.64)
```

---

Ex13.65

**Description**

The ex13.65 data frame has 18 rows and 2 columns.

**Usage**

```r
data(ex13.65)
```
ex13.66

**Format**

A data frame with 18 observations on the following 2 variables.

- **Pressure** a numeric vector
- **Temperature** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex13.66)
str(ex13.66)
```

---

**Description**

The `ex13.66` data frame has 9 rows and 3 columns.

**Usage**

```r
data(ex13.66)
```

**Format**

A data frame with 9 observations on the following 3 variables.

- **x1.in** a numeric vector
- **x2.in** a numeric vector
- **y** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples
data(ex13.67)
str(ex13.67)

---

Description

The ex13.67 data frame has 32 rows and 7 columns.

Usage
data(ex13.67)

Format

A data frame with 32 observations on the following 7 variables.

- obs a numeric vector
- pdconc a numeric vector
- niconc a numeric vector
- pH a numeric vector
- temp a numeric vector
- currdens a numeric vector
- pallcont a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples
data(ex13.67)
str(ex13.67)
Description
The ex13.68 data frame has 16 rows and 2 columns.

Usage
data(ex13.68)

Format
A data frame with 16 observations on the following 2 variables.

logNedges a numeric vector
logNtime a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex13.68)
str(ex13.68)

Description
The ex13.69 data frame has 8 rows and 2 columns.

Usage
data(ex13.69)
**Format**

A data frame with 8 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex13.69)
str(ex13.69)

---

**Description**

The `ex13.70` data frame has 9 rows and 3 columns.

**Usage**

data(ex13.70)

**Format**

A data frame with 9 observations on the following 3 variables.

- `x1` a numeric vector
- `x2` a numeric vector
- `y` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples

data(ex13.71)
str(ex13.71)

Description

The ex13.71 data frame has 10 rows and 2 columns.

Usage

data(ex13.71)

Format

A data frame with 10 observations on the following 2 variables.

x a numeric vector
y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.71)
str(ex13.71)
Description

The ex13.72 data frame has 9 rows and 3 columns.

Usage

data(ex13.72)

Format

A data frame with 9 observations on the following 3 variables.

- x1  a numeric vector
- x2  a numeric vector
- y   a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex13.72)
str(ex13.72)

Description

The ex13.73 data frame has 8 rows and 2 columns.

Usage

data(ex13.73)
**Format**

A data frame with 8 observations on the following 2 variables.

- **power** a numeric vector
- **freq** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

Examples

data(ex13.75)
str(ex13.75)

---

**Description**

The `ex13.75` data frame has 10 rows and 2 columns.

**Usage**

data(ex13.75)

**Format**

A data frame with 10 observations on the following 2 variables.

- `height` a numeric vector
- `log.Mn` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(ex13.75)
str(ex13.75)
### Description

The `ex13.76` data frame has 9 rows and 3 columns.

### Usage

```r
data(ex13.76)
```

### Format

A data frame with 9 observations on the following 3 variables.

- `x1` a numeric vector
- `x2` a numeric vector
- `y` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex13.76)
str(ex13.76)
```

---

### Description

The `ex14.09` data frame has 40 rows and 1 column.

### Usage

```r
data(ex14.09)
```
Format
A data frame with 40 observations on the following variable.

c1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.11)
str(ex14.11)

---

Description
The ex14.11 data frame has 45 rows and 1 column.

Usage
data(ex14.11)

Format
A data frame with 45 observations on the following variable.

c1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.11)
str(ex14.11)
Description

The ex14.12 data frame has 4 rows and 2 columns.

Usage

data(ex14.12)

Format

A data frame with 4 observations on the following 2 variables.

male.children a numeric vector
Frequency a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.12)
str(ex14.12)

Description

The ex14.13 data frame has 3 rows and 2 columns.

Usage

data(ex14.13)
Format

A data frame with 3 observations on the following 2 variables.

ovaries.developed a numeric vector
Observed.count a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.13)
str(ex14.13)

Description

The ex14.14 data frame has 12 rows and 2 columns.

Usage

data(ex14.14)

Format

A data frame with 12 observations on the following 2 variables.

x a numeric vector
observed a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(ex14.15)
str(ex14.15)

Description

The ex14.15 data frame has 5 rows and 2 columns.

Usage

data(ex14.15)

Format

A data frame with 5 observations on the following 2 variables.

Number.deective a numeric vector
Frequency a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.15)
str(ex14.15)
Description

The ex14.16 data frame has 10 rows and 2 columns.

Usage

data(ex14.16)

Format

A data frame with 10 observations on the following 2 variables.

Number.exchanges  a numeric vector
Observed.counts  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.16)
str(ex14.16)

Description

The ex14.17 data frame has 13 rows and 2 columns.

Usage

data(ex14.17)
**ex14.18**

**Format**
A data frame with 13 observations on the following 2 variables.

- Number  a numeric vector
- Frequency  a numeric vector

**Details**
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**

**Examples**

```r
data(ex14.17)
str(ex14.17)
```

---

**Description**
The ex14.18 data frame has 5 rows and 2 columns.

**Usage**

data(ex14.18)

**Format**
A data frame with 5 observations on the following 2 variables.

- Rate.per.day  a factor with levels 100 100-below .150 .150-below .200 .200-below .250 .250 or more
- Frequency  a numeric vector

**Details**
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**
Examples

```r
data(ex14.20)
str(ex14.20)
```

---

**ex14.20**

* R Data set: ex14.20

---

### Description

The `ex14.20` data frame has 23 rows and 1 column.

### Usage

```r
data(ex14.20)
```

### Format

A data frame with 23 observations on the following variable.

- C1 a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex14.20)
str(ex14.20)
```
Description
The ex14.21 data frame has 24 rows and 1 column.

Usage
data(ex14.21)

Format
A data frame with 24 observations on the following variable.
C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.21)
str(ex14.21)

Description
The ex14.22 data frame has 25 rows and 1 column.

Usage
data(ex14.22)

Format
A data frame with 25 observations on the following variable.
C1 a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.22)
str(ex14.22)

summary(ex14.23)
R Data set: ex14.23

Description

The ex14.23 data frame has 30 rows and 1 column.

Usage

data(ex14.23)

Format

A data frame with 30 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.23)
str(ex14.23)
Description

The ex14.26 data frame has 7 rows and 3 columns.

Usage

data(ex14.26)

Format

A data frame with 7 observations on the following 3 variables.

- **C1**: a factor with levels Control Eight leaves removed Four leaves removed Six leaves removed Treatment Two leaves removed
- **C2**: a factor with levels 141 20 24 25 28 C Matured
- **C3**: a factor with levels 206 69 73 78 82 Aborted C

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.26)
str(ex14.26)

Description

The ex14.27 data frame has 2 rows and 5 columns.

Usage

data(ex14.27)
Format

A data frame with 2 observations on the following 5 variables.

- C1  a factor with levels Men Women
- L.R  a numeric vector
- L.R.1 a numeric vector
- L.R.2 a numeric vector
- Sample.size  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.28)
str(ex14.28)

---

R Data set: ex14.28

Description

The ex14.28 data frame has 4 rows and 5 columns.

Usage

data(ex14.28)

Format

A data frame with 4 observations on the following 5 variables.

- Treatment  a factor with levels Sham Solvent Thienylalanine Unhandled
- No.response  a numeric vector
- Wild.running  a numeric vector
- Clonic.seizure  a numeric vector
- Tonic.seizure  a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.28)
str(ex14.28)

Description
The ex14.29 data frame has 6 rows and 4 columns.

Usage
data(ex14.29)

Format
A data frame with 6 observations on the following 4 variables.

Male.genotype a numeric vector
M.M a numeric vector
M.F a numeric vector
F.F a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.29)
str(ex14.29)
Description

The ex14.30 data frame has 4 rows and 5 columns.

Usage

data(ex14.30)

Format

A data frame with 4 observations on the following 5 variables.

- C1: a factor with levels 1 2 3 Configuration
- C2: a numeric vector
- C3: a numeric vector
- C4: a numeric vector
- C5: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.30)
str(ex14.30)
Description

The `ex14.31` data frame has 12 rows and 3 columns.

Usage

```r
data(ex14.31)
```

Format

A data frame with 12 observations on the following 3 variables.

- `count`: a numeric vector
- `size`: a factor with levels Compact Fullsize Midsize Subcompact
- `dist`: a factor with levels 0-<10 10-<20>=20

Details

Consult the web site `http://www.thomsonedu.com/statistics/devore` for additional online resources that are available for this book.

Source


Examples

```r
data(ex14.31)
str(ex14.31)
```

Description

The `ex14.32` data frame has 3 rows and 3 columns.

Usage

```r
data(ex14.32)
```
Format

A data frame with 3 observations on the following 3 variables.

Liberal  a numeric vector
Consrvtv  a numeric vector
Other  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.38)
str(ex14.38)

Description

The ex14.38 data frame has 3 rows and 3 columns.

Usage

data(ex14.38)

Format

A data frame with 3 observations on the following 3 variables.

Treatment  a factor with levels Control New oil Old oil
Parasitized  a numeric vector
Nonparasitized  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(ex14.40)
str(ex14.40)

Description

The `ex14.40` data frame has 6 rows and 3 columns.

Usage

data(ex14.40)

Format

A data frame with 6 observations on the following 3 variables.

C1 a factor with levels Baseball Basketball C1 Football Hockey Sport
C2 a factor with levels 150 65 72 86 C2 Leader Wins
C3 a factor with levels 15 21 39 6 C3 Leader Loses

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.40)
str(ex14.40)
Description

The ex14.41 data frame has 3 rows and 3 columns.

Usage

data(ex14.41)

Format

A data frame with 3 observations on the following 3 variables.

Never  a numeric vector
Occasion a numeric vector
Regular a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex14.41)
str(ex14.41)

Description

The ex14.42 data frame has 4 rows and 4 columns.

Usage

data(ex14.42)
Format

A data frame with 4 observations on the following 4 variables.

- **Age**: a factor with levels 15–54 55–64 65–74 Over 74
- **Home**: a numeric vector
- **Acute**: a numeric vector
- **Chronic**: a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex14.44)
str(ex14.44)

Description

The `ex14.44` data frame has 4 rows and 6 columns.

Usage

data(ex14.44)

Format

A data frame with 4 observations on the following 6 variables.

- **C1**: a factor with levels Age C1 Number in Sample Number who want item pricing
- **C2**: a factor with levels 127 150 <30 C2
- **C3**: a factor with levels 118 141 30–39 C3
- **C4**: a factor with levels 40–49 77 82 C4
- **C5**: a factor with levels 50–59 61 63 C5
- **C6**: a factor with levels 41 49 >60 C6
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex14.44)
str(ex14.44)

---

ex15.01 R Data set: ex15.01

Description
The ex15.01 data frame has 12 rows and 1 column.

Usage
data(ex15.01)

Format
A data frame with 12 observations on the following variable.

C1  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex15.01)
str(ex15.01)
Description
The ex15.03 data frame has 14 rows and 1 column.

Usage
data(ex15.03)

Format
A data frame with 14 observations on the following variable.
C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(ex15.03)
str(ex15.03)

Description
The ex15.04 data frame has 15 rows and 1 column.

Usage
data(ex15.04)

Format
A data frame with 15 observations on the following variable.
C1 a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex15.04)
str(ex15.04)

---

**Description**

The `ex15.05` data frame has 12 rows and 3 columns.

**Usage**

data(ex15.05)

**Format**

A data frame with 12 observations on the following 3 variables.

- **sample** a numeric vector
- **gravimetric** a numeric vector
- **spectrophotometric** a numeric vector

**Details**

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**


**Examples**

data(ex15.05)
str(ex15.05)
**R Data set: ex15.08**

**Description**

The ex15.08 data frame has 25 rows and 1 column.

**Usage**

`data(ex15.08)`

**Format**

A data frame with 25 observations on the following variable.

* c1  a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

`data(ex15.08)`

`str(ex15.08)`

---

**R Data set: ex15.10**

**Description**

The ex15.10 data frame has 5 rows and 2 columns.

**Usage**

`data(ex15.10)`

**Format**

A data frame with 5 observations on the following 2 variables.

* adhesv.1  a numeric vector
* adhesv.2  a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
```r
data(ex15.10)
str(ex15.10)
```

---

**Description**

The `ex15.11` data frame has 8 rows and 2 columns.

**Usage**

```r
data(ex15.11)
```

**Format**

A data frame with 8 observations on the following 2 variables.

- **Oak**: a numeric vector
- **Pine**: a numeric vector

**Details**
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**

**Examples**
```r
data(ex15.11)
str(ex15.11)
```
Description

The `ex15.12` data frame has 8 rows and 2 columns.

Usage

```r
data(ex15.12)
```

Format

A data frame with 8 observations on the following 2 variables.

- `Original.process` a numeric vector
- `Modified.process` a numeric vector

Details

Consult the website [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex15.12)
str(ex15.12)
```

Description

The `ex15.13` data frame has 10 rows and 2 columns.

Usage

```r
data(ex15.13)
```
ex15.14

Format

A data frame with 10 observations on the following 2 variables.

Orange.juice a numeric vector
Ascorbic.acid a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex15.13)
str(ex15.13)

Description

The ex15.14 data frame has 10 rows and 2 columns.

Usage

data(ex15.14)

Format

A data frame with 10 observations on the following 2 variables.

Orange.juice a numeric vector
Ascorbic.acid a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(ex15.15)
str(ex15.15)
```

---

**Description**

The `ex15.15` data frame has 8 rows and 2 columns.

**Usage**

```r
data(ex15.15)
```

**Format**

A data frame with 8 observations on the following 2 variables.

- `Unexposed` a numeric vector
- `Exposed` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(ex15.15)
str(ex15.15)
```
Description

The ex15.23 data frame has 5 rows and 4 columns.

Usage

data(ex15.23)

Format

A data frame with 5 observations on the following 4 variables.

- Region.1 a numeric vector
- Region.2 a numeric vector
- Region.3 a numeric vector
- Region.4 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex15.23)
str(ex15.23)

Description

The ex15.24 data frame has 9 rows and 4 columns.

Usage

data(ex15.24)
### Format

A data frame with 9 observations on the following 4 variables.

- `fasting` a numeric vector
- `X23.protein` a numeric vector
- `X32.protein` a numeric vector
- `X67.protein` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex15.25)
str(ex15.25)
```

---

**R Data set: ex15.25**

### Description

The `ex15.25` data frame has 10 rows and 3 columns.

### Usage

```r
data(ex15.25)
```

### Format

A data frame with 10 observations on the following 3 variables.

- `Group.1` a numeric vector
- `Group.2` a numeric vector
- `Group.3` a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Source


Examples

data(ex15.26)
str(ex15.26)

### Description

The ex15.26 data frame has 10 rows and 5 columns.

### Usage

data(ex15.26)

### Format

A data frame with 10 observations on the following 5 variables.

- Blocks  a numeric vector
- A  a numeric vector
- B  a numeric vector
- C  a numeric vector
- D  a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

data(ex15.26)
str(ex15.26)
Description

The ex15.27 data frame has 10 rows and 4 columns.

Usage

data(ex15.27)

Format

A data frame with 10 observations on the following 4 variables.

Dog  a numeric vector
Isoflurane  a numeric vector
Halothane  a numeric vector
Cyclopropane  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex15.27)
str(ex15.27)

Description

The ex15.28 data frame has 8 rows and 3 columns.

Usage

data(ex15.28)
### Format

A data frame with 8 observations on the following 3 variables.

- Subject: a numeric vector
- Potato: a numeric vector
- Rice: a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

### Source


### Examples

```r
data(ex15.28)
str(ex15.28)
```

---

**Description**

The `ex15.29` data frame has 10 rows and 4 columns.

**Usage**

```r
data(ex15.29)
```

### Format

A data frame with 10 observations on the following 4 variables.

- C1: a numeric vector
- C2: a numeric vector
- C3: a numeric vector
- C4: a numeric vector

### Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Source


Examples

data(ex15.30)
str(ex15.30)

R Data set: ex15.30

Description

The *ex15.30* data frame has 5 rows and 4 columns.

Usage

data(ex15.30)

Format

A data frame with 5 observations on the following 4 variables:

- Treatment.I a numeric vector
- Treatment.II a numeric vector
- Treatment.III a numeric vector
- Treatment.IV a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(ex15.30)
str(ex15.30)
Description
The `ex15.32` data frame has 7 rows and 2 columns.

Usage
`data(ex15.32)`

Format
A data frame with 7 observations on the following 2 variables.

- `lateral` a numeric vector
- `diagonal` a numeric vector

Details
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source

Examples
`data(ex15.32)`
`str(ex15.32)`

Description
The `ex15.33` data frame has 20 rows and 1 column.

Usage
`data(ex15.33)`
ex15.35  

**Format**  
A data frame with 20 observations on the following variable.  
C1  a numeric vector  

**Details**  
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.  

**Source**  

**Examples**  
```r  
data(ex15.33)  
str(ex15.33)  
```

---  

**Description**  
The `ex15.35` data frame has 5 rows and 2 columns.  

**Usage**  
```r  
data(ex15.35)  
```

**Format**  
A data frame with 5 observations on the following 2 variables.  
SIDS  a numeric vector  
Control  a numeric vector  

**Details**  
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.  

**Source**  
Description

The ex16.06 data frame has 22 rows and 5 columns.

Usage

data(ex16.06)

Format

A data frame with 22 observations on the following 5 variables.

- obs.1  a numeric vector
- obs.2  a numeric vector
- obs.3  a numeric vector
- obs.4  a numeric vector
- obs.5  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex16.06)
str(ex16.06)
Description

The `ex16.09` data frame has 24 rows and 2 columns.

Usage

data(ex16.09)

Format

A data frame with 24 observations on the following 2 variables.

- `xbar` a numeric vector
- `stderr` a numeric vector

Details

Consult the web site `http://www.thomsonedu.com/statistics/devore` for additional online resources that are available for this book.

Source


Examples

data(ex16.09)
str(ex16.09)

Description

The `ex16.14` data frame has 24 rows and 1 column.

Usage

data(ex16.14)
Format

A data frame with 24 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex16.14)
str(ex16.14)

Description

The ex16.25 data frame has 22 rows and 3 columns.

Usage

data(ex16.25)

Format

A data frame with 22 observations on the following 3 variables.

C1  a factor with levels 1 10 11 12 13 14 15 16 17 18 19 20 3 4 5 6 7 8 9 1 Panel
C2  a factor with levels 0.6 0.8 1 Area Examined C2
C3  a factor with levels 1 10 12 2 3 4 5 6 # Blemishes C3

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Description

The `ex16.41` data frame has 22 rows and 3 columns.

Usage

```r
data(ex16.41)
```

Format

A data frame with 22 observations on the following 3 variables.

- `C1` a numeric vector
- `C2` a numeric vector
- `C3` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(ex16.41)
str(ex16.41)
```
Description

The ex16.43 data frame has 20 rows and 3 columns.

Usage

data(ex16.43)

Format

A data frame with 20 observations on the following 3 variables.

- Col1: a numeric vector
- Col2: a numeric vector
- Col3: a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(ex16.43)
str(ex16.43)

Description

The xmp01.01 data frame has 36 rows and 1 column.

Usage

data(xmp01.01)
Format
A data frame with 36 observations on the following variable.

temp  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp01.01)
str(xmp01.01)

Description
The xmp01.02 data frame has 27 rows and 1 column.

Usage
data(xmp01.02)

Format
A data frame with 27 observations on the following variable.

c1  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
**Examples**

```r
data(xmp01.05)
str(xmp01.05)
```

---

**Description**

The `xmp01.05` data frame has 140 rows and 1 column.

**Usage**

```r
data(xmp01.05)
```

**Format**

A data frame with 140 observations on the following variable.

- `bingepct` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp01.05)
str(xmp01.05)
```
xmp01.06

R Data set: xmp01.06

Description
The xmp01.06 data frame has 40 rows and 1 column.

Usage
data(xmp01.06)

Format
A data frame with 40 observations on the following variable.
yardage  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp01.06)
str(xmp01.06)

xmp01.08

R Data set: xmp01.08

Description
a data set

Usage
data(xmp01.08)

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(xmp01.08)
str(xmp01.08)

---

**Description**

The `xmp01.08` data frame has 90 rows and 1 column.

**Usage**

data(xmp01.08)

**Format**

A data frame with 90 observations on the following variable.

`consump` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

data(xmp01.08)
str(xmp01.08)
**Description**

The `xmp01.10` data frame has 48 rows and 1 column.

**Usage**

```r
data(xmp01.10)
```

**Format**

A data frame with 48 observations on the following variable.

```
strength  a numeric vector
```

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp01.10)
str(xmp01.10)
```

---

**Description**

The `xmp01.11` data frame has 48 rows and 1 column.

**Usage**

```r
data(xmp01.11)
```

**Format**

A data frame with 48 observations on the following variable.

```
strength  a numeric vector
```
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp01.11)
str(xmp01.11)

data(xmp01.12)
str(xmp01.12)

Description

The xmp01.12 data frame has 21 rows and 1 column.

Usage

data(xmp01.12)

Format

A data frame with 21 observations on the following variable.

crackLength a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp01.12)
str(xmp01.12)
xmp01.13

Description
The xmp01.13 data frame has 12 rows and 1 column.

Usage
data(xmp01.13)

Format
A data frame with 12 observations on the following variable.

concentration a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp01.13)
str(xmp01.13)

xmp01.14

Description
The xmp01.14 data frame has 24 rows and 1 column.

Usage
data(xmp01.14)

Format
A data frame with 24 observations on the following variable.

copper a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp01.14)
str(xmp01.14)

---

**xmp01.15**  
*R Data set: xmp01.15*

Description

The xmp01.15 data frame has 11 rows and 1 column.

Usage

data(xmp01.15)

Format

A data frame with 11 observations on the following variable.

Strength  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp01.15)
str(xmp01.15)
R Data set: xmp01.16

Description
A data set

Usage
data(xmp01.16)

Details

Examples
data(xmp01.16)
str(xmp01.16)

R Data set: xmp01.17

Description
The xmp01.17 data frame has 19 rows and 1 column.

Usage
data(xmp01.17)

Format
A data frame with 19 observations on the following variable.

depth  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
Examples

data(xmp01.18)
str(xmp01.18)

Description

The xmp01.18 data frame has 25 rows and 1 column.

Usage

data(xmp01.18)

Format

A data frame with 25 observations on the following variable.

C1 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp01.18)
str(xmp01.18)
xmp04.28

R Data set: xmp04.28

Description
The xmp04.28 data frame has 10 rows and 2 columns.

Usage
data(xmp04.28)

Format
A data frame with 10 observations on the following 2 variables.

observation: a numeric vector

z.percentile: a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp04.28)
str(xmp04.28)

xmp04.29

R Data set: xmp04.29

Description
The xmp04.29 data frame has 10 rows and 1 column.

Usage
data(xmp04.29)
Format

A data frame with 10 observations on the following variable.

meas.err  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp04.30)
str(xmp04.30)

Description

The xmp04.30 data frame has 20 rows and 2 columns.

Usage

data(xmp04.30)

Format

A data frame with 20 observations on the following 2 variables.

Voltage  a numeric vector
z.percentile  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(xmp04.31)
str(xmp04.31)

Description

The xmp04.31 data frame has 10 rows and 1 column.

Usage

data(xmp04.31)

Format

A data frame with 10 observations on the following variable.

lifetime a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp04.31)
str(xmp04.31)
Description

The xmp06.02 data frame has 20 rows and 1 column.

Usage

data(xmp06.02)

Format

A data frame with 20 observations on the following variable.

Voltage  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp06.02)
str(xmp06.02)

Description

The xmp06.03 data frame has 8 rows and 1 column.

Usage

data(xmp06.03)

Format

A data frame with 8 observations on the following variable.

Strength  a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp06.13)
str(xmp06.13)

Description
The xmp06.13 data frame has 20 rows and 1 column.

Usage
data(xmp06.13)

Format
A data frame with 20 observations on the following variable.

Survival a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp06.13)
str(xmp06.13)
Description
The xmp06.14 data frame has 420 rows and 1 column.

Usage
data(xmp06.14)

Format
A data frame with 420 observations on the following variable.
goals a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp06.14)
str(xmp06.14)

Description
The xmp07.06 data frame has 48 rows and 1 column.

Usage
data(xmp07.06)

Format
A data frame with 48 observations on the following variable.
Voltage a numeric vector
Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(xmp07.06)
str(xmp07.06)
```

---

**data(xmp07.11)**

**str(xmp07.11)**

---

**Description**

The xmp07.11 data frame has 16 rows and 1 column.

**Usage**

```r
data(xmp07.11)
```

**Format**

A data frame with 16 observations on the following variable.

- **Elasticity** a numeric vector

**Details**

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp07.11)
str(xmp07.11)
```
### xmp07.15

**R Data set: xmp07.15**

**Description**

The `xmp07.15` data frame has 17 rows and 1 column.

**Usage**

```r
data(xmp07.15)
```

**Format**

A data frame with 17 observations on the following variable.

- **voltage** a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp07.15)
str(xmp07.15)
```

---

### xmp08.08

**R Data set: xmp08.08**

**Description**

The `xmp08.08` data frame has 52 rows and 1 column.

**Usage**

```r
data(xmp08.08)
```

**Format**

A data frame with 52 observations on the following variable.

- **DCP** a numeric vector
Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp08.09)
str(xmp08.09)

==
xmp08.09  R Data set: xmp08.09

Description
The xmp08.09 data frame has 5 rows and 1 column.

Usage
data(xmp08.09)

Format
A data frame with 5 observations on the following variable.

MAWL  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp08.09)
str(xmp08.09)
Description

The xmp09.04 data frame has 2 rows and 4 columns.

Usage

data(xmp09.04)

Format

A data frame with 2 observations on the following 4 variables.

- Type  a factor with levels Graded No-fines
- Sample.Size  a numeric vector
- Sample.Average.Conductivity  a numeric vector
- Sample.Standard.Deviation  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp09.04)
str(xmp09.04)
Format

A data frame with 2 observations on the following 4 variables.

Fabric.Type a factor with levels Cotton Triacetate
Sample.Size a numeric vector
Sample.Mean a numeric vector
Sample.Standard.Deviation a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp09.06)
str(xmp09.06)

xmp09.07 R Data set: xmp09.07

Description

The xmp09.07 data frame has 18 rows and 2 columns.

Usage

data(xmp09.07)

Format

A data frame with 18 observations on the following 2 variables.

strength a numeric vector
type a factor with levels fused nofusion

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

```r
data(xmp09.07)
str(xmp09.07)
```

---

**xmp09.08**  
*R Data set: xmp09.08*

**Description**

The `xmp09.08` data frame has 6 rows and 2 columns.

**Usage**

```r
data(xmp09.08)
```

**Format**

A data frame with 6 observations on the following 2 variables.

- `bottom` a numeric vector
- `surface` a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp09.08)
str(xmp09.08)
```
R Data set: xmp09.09

Description

The xmp09.09 data frame has 16 rows and 4 columns.

Usage

data(xmp09.09)

Format

A data frame with 16 observations on the following 4 variables.

Subject a numeric vector
Before a numeric vector
After a numeric vector
Difference a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp09.09)
str(xmp09.09)

R Data set: xmp09.10

Description

The xmp09.10 data frame has 13 rows and 2 columns.

Usage

data(xmp09.10)
Format
A data frame with 13 observations on the following 2 variables.

slide  a numeric vector
digital  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp10.01)
str(xmp10.01)

R Data set: xmp10.01

Description
The xmp10.01 data frame has 24 rows and 2 columns.

Usage
data(xmp10.01)

Format
A data frame with 24 observations on the following 2 variables.

C1  a numeric vector
C2  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
Description

The `xmp10.03` data frame has 15 rows and 2 columns.

Usage

```r
data(xmp10.03)
str(xmp10.03)
```

Format

A data frame with 15 observations on the following 2 variables.

Soiling  a numeric vector
Mixture  a factor with levels 1 2 3

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(xmp10.03)
str(xmp10.03)
```
Description

The xmp10.05 data frame has 20 rows and 2 columns.

Usage

data(xmp10.05)

Format

A data frame with 20 observations on the following 2 variables.

remtime  a numeric vector
ethanol  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp10.05)
str(xmp10.05)

Description

The xmp10.08 data frame has 22 rows and 2 columns.

Usage

data(xmp10.08)
Format

A data frame with 22 observations on the following 2 variables.

elastic a numeric vector
type  a factor with levels Die Permanent Plaster

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp10.10)
str(xmp10.10)

---

R Data set: xmp10.10

---

Description

The xmp10.10 data frame has 18 rows and 2 columns.

Usage

data(xmp10.10)

Format

A data frame with 18 observations on the following 2 variables.

travel a numeric vector
Rail  a factor with levels 1 2 3 4 5 6

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(xmp11.01)
str(xmp11.01)

---

xmp11.01  R Data set: xmp11.01

Description

The `xmp11.01` data frame has 12 rows and 3 columns.

Usage

data(xmp11.01)

Format

A data frame with 12 observations on the following 3 variables.

- **strength** a numeric vector
- **brand** a factor with levels 1 2 3
- **treatment** a factor with levels 1 2 3 4

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(xmp11.01)
str(xmp11.01)
The xmp11.05 data frame has 20 rows and 3 columns.

Usage

data(xmp11.05)

Format

A data frame with 20 observations on the following 3 variables.

- power: a numeric vector
- humid: an ordered factor with levels 1 < 2 < 3 < 4
- brand: a factor with levels 1 2 3 4 5

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp11.05)
str(xmp11.05)

The xmp11.06 data frame has 24 rows and 3 columns.

Usage

data(xmp11.06)
Format

A data frame with 24 observations on the following 3 variables.

Resp  a numeric vector
Stimulus  a factor with levels L1 L2 T L1+L2 L1+T L2+T
Subject  a factor with levels 1 2 3 4

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp11.06)
str(xmp11.06)

Description

The xmp11.07 data frame has 36 rows and 3 columns.

Usage

data(xmp11.07)

Format

A data frame with 36 observations on the following 3 variables.

Yield  a numeric vector
Variety  a factor with levels 1 2 3
Density  a factor with levels 1 2 3 4

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
xmp11.10

Source

Examples
data(xmp11.07)
str(xmp11.07)

---

xmp11.10  R Data set: xmp11.10

Description
The xmp11.10 data frame has 96 rows and 4 columns.

Usage
data(xmp11.10)

Format
A data frame with 96 observations on the following 4 variables.

Tempr  a numeric vector
Period  a numeric vector
Strain  a numeric vector
Coat    a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp11.10)
str(xmp11.10)
Description

The xmp11.11 data frame has 36 rows and 4 columns.

Usage

data(xmp11.11)

Format

A data frame with 36 observations on the following 4 variables.

- abrasion: a numeric vector
- row: an ordered factor with levels 1 < 2 < 3 < 4 < 5 < 6
- column: an ordered factor with levels 1 < 2 < 3 < 4 < 5 < 6
- humidity: a factor with levels 25 percent 37 percent 50 percent 62 percent 75 percent 87 percent

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp11.11)
str(xmp11.11)
Description

The xmp11.12 data frame has 8 rows and 4 columns.

Usage

data(xmp11.12)

Format

A data frame with 8 observations on the following 4 variables.

Age  a numeric vector
Temperature  a numeric vector
Soil1.1  a numeric vector
Soil1.2  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp11.12)
str(xmp11.12)

Description

The xmp12.01 data frame has 30 rows and 3 columns.

Usage

data(xmp12.01)
Format

A data frame with 30 observations on the following 3 variables.

- obs  a numeric vector
- x  a numeric vector
- y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.01)
str(xmp12.01)

---

xmp12.02  R Data set: xmp12.02

Description

The xmp12.02 data frame has 19 rows and 2 columns.

Usage

data(xmp12.02)

Format

A data frame with 19 observations on the following 2 variables.

- x  a numeric vector
- y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp12.04)
str(xmp12.04)

Description
The xmp12.04 data frame has 15 rows and 2 columns.

Usage
data(xmp12.04)

Format
A data frame with 15 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp12.04)
str(xmp12.04)
Description

The xmp12.06 data frame has 20 rows and 2 columns.

Usage

data(xmp12.06)

Format

A data frame with 20 observations on the following 2 variables.

moistcon a numeric vector
filtrate a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.06)
str(xmp12.06)
Format

A data frame with 14 observations on the following 2 variables.

x a numeric vector
y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.10)
str(xmp12.10)

Description

The xmp12.10 data frame has 15 rows and 2 columns.

Usage

data(xmp12.10)

Format

A data frame with 15 observations on the following 2 variables.

x a numeric vector
y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

data(xmp12.10)
str(xmp12.10)

---

xmp12.11  
R Data set: xmp12.11

Description

The xmp12.11 data frame has 15 rows and 2 columns.

Usage

data(xmp12.11)

Format

A data frame with 15 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.11)
str(xmp12.11)
xmp12.12  

R Data set: xmp12.12

Description

The xmp12.12 data frame has 20 rows and 2 columns.

Usage

data(xmp12.12)

Format

A data frame with 20 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.12)
str(xmp12.12)

xmp12.13  

R Data set: xmp12.13

Description

The xmp12.13 data frame has 18 rows and 2 columns.

Usage

data(xmp12.13)
Format
A data frame with 18 observations on the following 2 variables.

x a numeric vector
y a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp12.13)
str(xmp12.13)

R Data set: xmp12.14

Description
The xmp12.14 data frame has 8 rows and 2 columns.

Usage
data(xmp12.14)

Format
A data frame with 8 observations on the following 2 variables.

x a numeric vector
y a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
xmp12.15

Examples

data(xmp12.14)
str(xmp12.14)

---

xmp12.15                      R Data set: xmp12.15

---

Description

The xmp12.15 data frame has 8 rows and 2 columns.

Usage

data(xmp12.15)

Format

A data frame with 8 observations on the following 2 variables.

  x  a numeric vector
  y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.15)
str(xmp12.15)
xmp12.16  

Description

The xmp12.16 data frame has 16 rows and 2 columns.

Usage

data(xmp12.16)

Format

A data frame with 16 observations on the following 2 variables.

x  a numeric vector
y  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp12.16)
str(xmp12.16)

xmp13.01  

Description

The xmp13.01 data frame has 14 rows and 2 columns.

Usage

data(xmp13.01)
Format
A data frame with 14 observations on the following 2 variables.

\( x \) a numeric vector

\( y \) a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(xmp13.03)
str(xmp13.03)
```

---

R Data set: xmp13.03

---

Description
The xmp13.03 data frame has 12 rows and 2 columns.

Usage

```r
data(xmp13.03)
```

Format
A data frame with 12 observations on the following 2 variables.

\( x \) a numeric vector

\( y \) a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source
Description

The `xmp13.04` data frame has 11 rows and 2 columns.

Usage

`data(xmp13.04)`

Format

A data frame with 11 observations on the following 2 variables.

- `x` a numeric vector
- `y` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(xmp13.04)
str(xmp13.04)
```
xmp13.06

R Data set: xmp13.06

Description

The xmp13.06 data frame has 24 rows and 2 columns.

Usage

data(xmp13.06)

Format

A data frame with 24 observations on the following 2 variables.

Temperature a numeric vector
Failure a factor with levels N Y

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.06)
str(xmp13.06)

xmp13.09

R Data set: xmp13.09

Description

The xmp13.09 data frame has 8 rows and 2 columns.

Usage

data(xmp13.09)
Format

A data frame with 8 observations on the following 2 variables.

- `temperature` a numeric vector
- `strength` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

```r
data(xmp13.10)
str(xmp13.10)
```

---

**Description**

The `xmp13.10` data frame has 8 rows and 3 columns.

Usage

```r
data(xmp13.10)
```

Format

A data frame with 8 observations on the following 3 variables.

- `x` a numeric vector
- `x` a numeric vector
- `y` a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source

Examples

data(xmp13.10)
str(xmp13.10)

R Data set: xmp13.11

Description

The xmp13.11 data frame has 30 rows and 6 columns.

Usage

data(xmp13.11)

Format

A data frame with 30 observations on the following 6 variables.

- Observation a numeric vector
- Force  a numeric vector
- Power  a numeric vector
- Temperature a numeric vector
- Time    a numeric vector
- Strength a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.11)
str(xmp13.11)
Description

The xmp13.12 data frame has 30 rows and 6 columns.

Usage

data(xmp13.12)

Format

A data frame with 30 observations on the following 6 variables.

- Observation a numeric vector
- Force a numeric vector
- Power a numeric vector
- Temperature a numeric vector
- Time a numeric vector
- Strength a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.12)
str(xmp13.12)
Description

The xmp13.13 data frame has 9 rows and 5 columns.

Usage

data(xmp13.13)

Format

A data frame with 9 observations on the following 5 variables.

- x1  a numeric vector
- x2  a numeric vector
- x1x2  a numeric vector
- X28  a numeric vector
- Absorbability  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.13)
str(xmp13.13)
Description

The xmp13.15 data frame has 13 rows and 3 columns.

Usage

data(xmp13.15)

Format

A data frame with 13 observations on the following 3 variables.

Iron.x1 a numeric vector
Aluminum.x2 a numeric vector
Adsorption.y a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.15)
str(xmp13.15)

Description

The xmp13.16 data frame has 30 rows and 5 columns.

Usage

data(xmp13.16)
Format

A data frame with 30 observations on the following 5 variables.

- `x1` a numeric vector
- `x2` a numeric vector
- `x3` a numeric vector
- `x4` a numeric vector
- `y` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

```r
data(xmp13.18)
str(xmp13.16)
```

---

Description

The `xmp13.18` data frame has 27 rows and 3 columns.

Usage

```r
data(xmp13.18)
```

Format

A data frame with 27 observations on the following 3 variables.

- `s` a numeric vector
- `1.1000.s` a numeric vector
- `w` a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source

Examples
data(xmp13.18)
str(xmp13.18)

---

**Description**
The `xmp13.19` data frame has 31 rows and 5 columns.

**Usage**
data(xmp13.19)

**Format**
A data frame with 31 observations on the following 5 variables.

- `y` a numeric vector
- `x1` a numeric vector
- `x2` a numeric vector
- `x.1` a numeric vector
- `x.2` a numeric vector

**Details**
Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**

**Examples**
data(xmp13.19)
str(xmp13.19)
Description

The xmp13.22 data frame has 10 rows and 3 columns.

Usage

data(xmp13.22)

Format

A data frame with 10 observations on the following 3 variables.

- Strength a numeric vector
- Sp.grav a numeric vector
- Moisture a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp13.22)
str(xmp13.22)

Description

The xmp14.03 data frame has 24 rows and 1 column.

Usage

data(xmp14.03)
Format

A data frame with 24 observations on the following variable.

onset a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp14.10)
str(xmp14.10)

Description

The xmp14.10 data frame has 49 rows and 1 column.

Usage

data(xmp14.10)

Format

A data frame with 49 observations on the following variable.

C1 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

R Data set: xmp14.13

Examples

data(xmp14.10)
str(xmp14.10)

data(xmp14.13)
str(xmp14.13)

Description

The xmp14.13 data frame has 4 rows and 7 columns.

Usage

data(xmp14.13)

Format

A data frame with 4 observations on the following 7 variables.

Production.Line a numeric vector
Blemish a numeric vector
Crack a numeric vector
Location a numeric vector
Missing a numeric vector
Other a numeric vector
Size a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp14.13)
str(xmp14.13)
R Data set: xmp14.14

Description
The xmp14.14 data frame has 3 rows and 3 columns.

Usage
data(xmp14.14)

Format
A data frame with 3 observations on the following 3 variables.

Substand  a numeric vector
Standard   a numeric vector
Modern     a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp14.14)
str(xmp14.14)

R Data set: xmp15.01

Description
The xmp15.01 data frame has 15 rows and 1 column.

Usage
data(xmp15.01)
Format
A data frame with 15 observations on the following variable.

C1 a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp15.02)
str(xmp15.02)

Description
The xmp15.02 data frame has 8 rows and 5 columns.

Usage
data(xmp15.02)

Format
A data frame with 8 observations on the following 5 variables.

Log a numeric vector
Solvent.1 a numeric vector
Solvent.2 a numeric vector
Difference a numeric vector
Signed.rank a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source


Examples

data(xmp15.03)
str(xmp15.03)

---

R Data set: xmp15.03

Description

The xmp15.03 data frame has 25 rows and 2 columns.

Usage

data(xmp15.03)

Format

A data frame with 25 observations on the following 2 variables.

- **xi**: a numeric vector
- **signedRank**: a numeric vector

Details

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

Source


Examples

data(xmp15.03)
str(xmp15.03)
Description

The xmp15.04 data frame has 7 rows and 2 columns.

Usage

data(xmp15.04)

Format

A data frame with 7 observations on the following 2 variables.

- Polluted a numeric vector
- Unpolluted a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp15.04)
str(xmp15.04)

Description

The xmp15.06 data frame has 28 rows and 1 column.

Usage

data(xmp15.06)
Format

A data frame with 28 observations on the following variable.

C1  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp15.08)
str(xmp15.08)

Description

The xmp15.08 data frame has 6 rows and 2 columns.

Usage

data(xmp15.08)

Format

A data frame with 6 observations on the following 2 variables.

Epoxy  a numeric vector
Other  a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples

```r
data(xmp15.09)
str(xmp15.09)
```

**Description**

The `xmp15.09` data frame has 35 rows and 2 columns.

**Usage**

```r
data(xmp15.09)
```

**Format**

A data frame with 35 observations on the following 2 variables.

- **C1** a numeric vector
- **C2** a factor with levels `10" 12" 4" 6" 8"

**Details**

Consult the web site [http:www.thomsonedu.com/statistics/devore](http:www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp15.09)
str(xmp15.09)
```
Description
The xmp15.10 data frame has 8 rows and 4 columns.

Usage
data(xmp15.10)

Format
A data frame with 8 observations on the following 4 variables.

- Fear a numeric vector
- Happiness a numeric vector
- Depression a numeric vector
- Calmness a numeric vector

Details
Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source

Examples
data(xmp15.10)
str(xmp15.10)

Description
The xmp16.01 data frame has 25 rows and 3 columns.

Usage
data(xmp16.01)
Format

A data frame with 25 observations on the following 3 variables.

Visc1 a numeric vector
Visc2 a numeric vector
Visc3 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.

Source


Examples

data(xmp16.04)
str(xmp16.04)

xmp16.04  R Data set: xmp16.04

Description

The xmp16.04 data frame has 22 rows and 4 columns.

Usage

data(xmp16.04)

Format

A data frame with 22 observations on the following 4 variables.

Obs.1 a numeric vector
Obs.2 a numeric vector
Obs.3 a numeric vector
Obs.4 a numeric vector

Details

Consult the web site http://www.thomsonedu.com/statistics/devore for additional online resources that are available for this book.
Source

Examples
```
data(xmp16.06)
str(xmp16.06)
```

---

**R Data set: xmp16.06**

Description
The `xmp16.06` data frame has 27 rows and 26 columns.

Usage
```
data(xmp16.06)
```

Format
A data frame with 27 observations on the following 26 variables.

- `C1` a factor with levels 1 10 11 12 13 14 15 16 17 18 19 2 20 21 22 23 24 25 3 4 5 6 7 8 9 Day (i)
- `C2` a numeric vector
- `C3` a numeric vector
- `C4` a numeric vector
- `C5` a numeric vector
- `C6` a numeric vector
- `C7` a numeric vector
- `C8` a numeric vector
- `C9` a numeric vector
- `C10` a numeric vector
- `C11` a numeric vector
- `C12` a numeric vector
- `C13` a numeric vector
- `C14` a numeric vector
- `C15` a numeric vector
- `C16` a numeric vector
- `C17` a numeric vector
- `C18` a numeric vector
The `xmp16.07` data frame has 24 rows and 1 column.

**Usage**

```r
data(xmp16.07)
str(xmp16.07)
```

**Description**

The `xmp16.07` data frame has 24 rows and 1 column.

**Format**

A data frame with 24 observations on the following variable.

- C1: a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.
Source


Examples

```r
data(xmp16.08)
str(xmp16.08)
```

---

**R Data set: xmp16.08**

**Description**

The `xmp16.08` data frame has 16 rows and 4 columns.

**Usage**

```r
data(xmp16.08)
```

**Format**

A data frame with 16 observations on the following 4 variables.

- Obs. 1 a numeric vector
- Obs. 2 a numeric vector
- Obs. 3 a numeric vector
- Obs. 4 a numeric vector

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp16.08)
str(xmp16.08)
```
**Description**

The `xmp16.09` data frame has 18 rows and 6 columns.

**Usage**

```r
data(xmp16.09)
```

**Format**

A data frame with 18 observations on the following 6 variables.

- **C1**: a factor with levels 1 10 11 12 13 14 15 16 2 3 4 5 6 7 8 9 C1 Sample #
- **C2**: a factor with levels 39.65 39.72 39.76 39.84 39.98 40.06 40.2 40.23 40.32 40.34 40.4 40.41 40.42 40.49 40.61 C2 xwl
- **C3**: a factor with levels 0.05 0.08 -0.09 -0.17 0.17 0.19 0.25 0.26 0.27 -0.31 0.34 -0.39 -0.43 0.46 -0.5 C3 xwl - 40.15
- **C4**: a factor with levels 0 0.01 0.05 0.1 0.12 0.26 0.27 0.43 0.46 0.71 1 1.08 1.17 1.27 C4 dl
- **C5**: a factor with levels -0.01 -0.09 -0.13 0.13 -0.2 0.21 0.35 0.38 0.47 0.49 0.55 0.56 0.57 0.64 0.76 C5 xwl - 39.85
- **C6**: a factor with levels 0 0.01 0.09 0.13 0.29 C6 e1

**Details**

Consult the web site [http://www.thomsonedu.com/statistics/devore](http://www.thomsonedu.com/statistics/devore) for additional online resources that are available for this book.

**Source**


**Examples**

```r
data(xmp16.09)
str(xmp16.09)
```
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