Package ‘Nozzle.R1’

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Title Nozzle Reports
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Author Nils Gehlenborg <nils@hms.harvard.edu>
Maintainer Nils Gehlenborg <nils@hms.harvard.edu>
Description The Nozzle package provides an API to generate HTML reports with dynamic user interface elements based on JavaScript and CSS (Cascading Style Sheets). Nozzle was designed to facilitate summarization and rapid browsing of complex results in data analysis pipelines where multiple analyses are performed frequently on big data sets. The package can be applied to any project where user-friendly reports need to be created.
License LGPL-2

URL http://github.com/parklab/nozzle,
http://gdac.broadinstitute.org/nozzle

BugReports http://www.github.com/parklab/nozzle/issues

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**Nozzle: a Report Generation Toolkit for Data Analysis Pipelines**

**Description**

Provides a high-level API to generate HTML reports with dynamic user interface elements.

**Details**

<table>
<thead>
<tr>
<th>Package:</th>
<th>Nozzle.R1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>Package</td>
</tr>
<tr>
<td>Version:</td>
<td>1.1-0</td>
</tr>
<tr>
<td>Date:</td>
<td>2013-04-16</td>
</tr>
</tbody>
</table>
Nozzle was designed to facilitate summarization and rapid browsing of complex results in data analysis pipelines where multiple analyses are performed frequently on big data sets.

Note

The "R1" in the "Nozzle.R1" package name stands for "revision 1" of the Nozzle R API. All versions of the Nozzle.R1 package will be backwards-compatible and able to render reports generated with earlier versions of the package. When backwards-compatibility of the API can no longer maintained the package name will change to "Nozzle.R2".

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

References


addTo

Add child elements to a parent element.

Description

Add child elements to a parent element.

Usage

addTo(parent, ..., row = NA, column = NA)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>parent</td>
<td>Parent element.</td>
</tr>
<tr>
<td>...</td>
<td>One or more child elements.</td>
</tr>
<tr>
<td>row</td>
<td>If parent element is a table row and column indices must be provided to add supplementary results to cell in the table.</td>
</tr>
<tr>
<td>column</td>
<td>If parent element is a table row and column indices must be provided to add supplementary results to cell in the table.</td>
</tr>
</tbody>
</table>

Value

Updated parent element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
addToInput

Add elements to the "Input" subsection in the "Methods & Data" section of a standard report.

Description

Add elements to the "Input" subsection in the "Methods & Data" section of a standard report.

Usage

addToInput(report, ...)

Arguments

- **report**: Report element.
- **...**: Elements that will be added to the input section. Often these are paragraph elements.

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

addToIntroduction

Add elements to the "Introduction" subsection in the "Overview" section of a standard report.

Description

Add elements to the "Introduction" subsection in the "Overview" section of a standard report.

Usage

addToIntroduction(report, ...)

Arguments

- **report**: Report element.
- **...**: Elements that will be added to the introduction section. Often these are paragraph elements.
addToMeta

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

___

addToMeta  Add elements to the "Meta" section of a standard report.

Description

Add elements to the "Meta" section of a standard report.

Usage

addToMeta(report, ...)

Arguments

report  Report element.

...  Elements that will be added to the references section. These may be any elements.

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

___

addToMethods  Add elements to the "Methods & Data" section of a standard report.

Description

Add elements to the "Methods & Data" section of a standard report.

Usage

addToMethods(report, ...)

addToMethods  Add elements to the "Methods & Data" section of a standard report.
addToOverview

Arguments

- ...: Elements that will be added to the methods section. Often these are subsection elements.

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

---

**addToOverview**  
*Add elements to the "Overview" section of a standard report.*

Description

Add elements to the "Overview" section of a standard report.

Usage

```
addToOverview(report, ...)
```

Arguments

- ...: Elements that will be added to the overview section. Often these are subsection elements.

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
**addToReferences**

Add elements to the "References" subsection in the "Methods & Data" section of a standard report.

**Description**

Add elements to the "References" subsection in the "Methods & Data" section of a standard report.

**Usage**

```latex
addToReferences(report, ...)  
```

**Arguments**

- **report**: Report element.
- **...**: Elements that will be added to the references section. These should be citation elements.

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

**addtoresults**

Add elements to the "Results" section of a standard report.

**Description**

Add elements to the "Results" section of a standard report.

**Usage**

```latex
addtoresults(report, ...)  
```

**Arguments**

- **report**: Report element.
- **...**: Elements that will be added to the results section. Often these are subsection elements.

**Value**

Updated report element.
Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

addToSummary  Add elements to the "Summary" subsection in the "Overview" section of a standard report.

Description
Add elements to the "Summary" subsection in the "Overview" section of a standard report.

Usage
addToSummary(report, ...)

Arguments
report  Report element.
...  Elements that will be added to the overview section. Often these are paragraph elements.

Value
Updated report element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

asCode  Format text as code.

Description
Format text as code.

Usage
asCode(...)
**asEmph**

**Value**
Text formatted as a code.

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>

---

**asEmph**  
*Format text with emphasis (usually resulting in text set in italics).*

---

**Description**
Format text with emphasis (usually resulting in text set in italics).

**Usage**

```asEmph
(...)  
```

**Arguments**

```asEmph
(...)  
```

One or more strings that will be concatenated.

**Value**
Text with emphasis.

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>

---

**asFilename**  
*Format text as filename.*

---

**Description**
Format text as filename.

**Usage**

```asFilename
(...)  
```

**Arguments**

```asFilename
(...)  
```

One or more strings that will be concatenated.
asParameter

Value
Text formatted as a filename.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

asLink
Format text as a hyperlink.

Description
Format text as a hyperlink.

Usage
asLink(url, ...)

Arguments
url URL to be for the link.
... One or more strings that will be concatenated to form the text of the link.

Value
A hyperlink.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

asParameter
Format text as parameter.

Description
Format text as parameter.

Usage
asParameter(...) 

Arguments
... One or more strings that will be concatenated.
asReference

Value
Text formatted as a parameter.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

asReference
Reference a citation, figure or table element.

Description
Reference a citation, figure or table element.

Usage
asReference(element)

Arguments

element Citation, figure or table element.

Value
A reference string for the referenced element that will be resolved when the report is written to file and rendered to HTML.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

asStrong
Format text with strong emphasis (usually resulting in text set in bold).

Description
Format text with strong emphasis (usually resulting in text set in bold).

Usage
asStrong(...)

Arguments
...
One or more strings that will be concatenated.
Value

Text with strong emphasis.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

---

**asSummary**

Include a result in text. This is a legacy method and provided only for backwards compatibility.

---

Description

Include a result in text. This is a legacy method and provided only for backwards compatibility.

Usage

```asSummary(result)```

Arguments

- **result**
  
  The result element.

Value

The result element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

---

**asValue**

Format text as value.

---

Description

Format text as value.

Usage

```asValue(...)```

Arguments

- ... One or more strings that will be concatenated.
**Value**

Text formatted as a value.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**DEFAULT.DOI.RESOLVER**  
*Default DOI resolver URL.*

**Description**

Default DOI resolver URL.

**Usage**

`DEFAULT.DOI.RESOLVER`

**Format**

`chr "http://dx.doi.org"`

---

**DEFAULT.REPORT.FILENAME**  
*Default filename for reports.*

**Description**

Default filename for reports.

**Usage**

`DEFAULT.REPORT.FILENAME`

**Format**

`chr "nozzle"`
DEFAULT.SIGNIFICANT.ENTITY

Name of entities that are labeled as significant.

Description

Name of entities that are labeled as significant.

Usage

DEFAULT.SIGNIFICANT.ENTITY

Format

chr "statistically significant findings"

getContactInformationEmail

Get contact email address for report.

Description

Get contact email address for report.

Usage

getchetInformationEmail(report)

Arguments

report Report element.

Value

Contact email address.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
**getContactInformationLabel**

*Get label for contact button for report.*

**Description**

Get label for contact button for report.

**Usage**

```
getContactInformationLabel(report)
```

**Arguments**

- `report` Report element.

**Value**

Contact email button label.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**getContactInformationMessage**

*Get contact email default message for report.*

**Description**

Get contact email default message for report.

**Usage**

```
getContactInformationMessage(report)
```

**Arguments**

- `report` Report element.

**Value**

Contact email default message.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getContactInformationSubject

Get contact email subject line for report.

Description
Get contact email subject line for report.

Usage
getContactInformationSubject(report)

Arguments
report Report element.

Value
Contact email subject line.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getCopyrightOwner

Get name of the copyright owner for report.

Description
Get name of the copyright owner for report.

Usage
getCopyrightOwner(report)

Arguments
report Report element.

Value
Name of the copyright owner.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
**getCopyrightStatement**

*Get copyright statement for report. This text is linked to the copyright URL.*

**Description**

Get copyright statement for report. This text is linked to the copyright URL.

**Usage**

`getCopyrightStatement(report)`

**Arguments**

- `report` Report element.

**Value**

Text of the copyright statement.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**getCopyrightUrl**

*Get copyright URL for report, which is linked to the copyright statement.*

**Description**

Get copyright URL for report, which is linked to the copyright statement.

**Usage**

`getCopyrightUrl(report)`

**Arguments**

- `report` Report element.

**Value**

Copyright URL.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getCopyrightYear

*Get copyright year report.*

**Description**

Get copyright year report.

**Usage**

```r
getCopyrightYear(report)
```

**Arguments**

- `report` Report element.

**Value**

Copyright year.

**Author(s)**

Nils Gehlenborg `<nils@hms.harvard.edu>`

getCreatorDate

*Get date when report was created.*

**Description**

Get date when report was created.

**Usage**

```r
getCreatorDate(report)
```

**Arguments**

- `report` Report element.

**Value**

Date when report was created or NA.

**Author(s)**

Nils Gehlenborg `<nils@hms.harvard.edu>`
**getCreatorName**

Get name and version of the Nozzle package that was used to create report.

**Description**

Get name and version of the Nozzle package that was used to create report.

**Usage**

getCreatorName(report)

**Arguments**

- **report**
  
  Report element.

**Value**

Name and version of the Nozzle package that created report or NA.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**getCustomPrintCss**

Get the path or URL of the CSS file to be used to overwrite the default print (not: screen) style sheet.

**Description**

Get the path or URL of the CSS file to be used to overwrite the default print (not: screen) style sheet.

**Usage**

getCustomPrintCss(report)

**Arguments**

- **report**
  
  Report element.

**Value**

Path or URL of CSS file. Can be relative or absolute.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getCustomScreenCss  
Get the path or URL of the CSS file to be used to overwrite the default screen (not: print) style sheet.

Description
Get the path or URL of the CSS file to be used to overwrite the default screen (not: print) style sheet.

Usage
getCustomScreenCss(report)

Arguments
report  Report element.

Value
Path or URL of CSS file. Can be relative or absolute.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getDoi  

Description

Usage
getDoi(report)

Arguments
report  Report element.

Value
Document object identifier (DOI) for report.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
**getDoiCreator**

Get the DOI creator for report.

**Description**

Get the DOI creator for report.

**Usage**

```
getDoiCreator(report)
```

**Arguments**


**Value**

Creator associated with the DOI of the report.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**getDoiPublisher**

Get the DOI publisher for report.

**Description**

Get the DOI publisher for report.

**Usage**

```
getDoiPublisher(report)
```

**Arguments**


**Value**

Publisher associated with the DOI of the report.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getDoiResolver

Get the DOI resolver URL (e.g. http://dx.doi.org) for report.

Description
Get the DOI resolver URL (e.g. http://dx.doi.org) for report.

Usage
getDoiResolver(report)

Arguments
report
Report element.

Value
Document object identifier (DOI) resolver URL for report.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getDoiTitle

Get the DOI title for report.

Description
Get the DOI title for report.

Usage
getDoiTitle(report)

Arguments
report
Report element.

Value
Title associated with the DOI of the report report.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
**getDoiVersion**

*Get the DOI version for report.*

---

**Description**

Get the DOI version for report.

**Usage**

`getDoiVersion(report)`

**Arguments**

- `report` Report element.

**Value**

Version associated with the DOI of the report report.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**getDoiYear**

*Get the DOI year for report.*

---

**Description**

Get the DOI year for report.

**Usage**

`getDoiYear(report)`

**Arguments**

- `report` Report element.

**Value**

Publication year associated with the DOI of the report report.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getExportedElement

Get an exported element from a report. This can be used to generate aggregate reports. This is an experimental feature of Nozzle and may not lead to the expected results.

Description

Get an exported element from a report. This can be used to generate aggregate reports. This is an experimental feature of Nozzle and may not lead to the expected results.

Usage

getExportedElement(report, exportId)

Arguments

report
The source report.

exportId
The ID of the exported element. getExportedElementIds returns a list of exported element IDs.

Value

The exported report element or NULL if the ID does not exist in report.

Note

Elements containing references should not be exported since references cannot be resolved in the target report. Relative paths in exported elements may have to be adjusted manually if the target report will be located in a different directory.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

getExportedElementIds

Get the IDs of exported elements from report. This is an experimental feature of Nozzle and may not lead to the expected results.

Description

Get the IDs of exported elements from report. This is an experimental feature of Nozzle and may not lead to the expected results.

Usage

getExportedElementIds(report)
getFigureFile

Arguments

report The source report.

Value

The IDs of exported report elements or NULL.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

---

getFigureFile Get path or URL of image file associated with a figure element.

Description

Get path or URL of image file associated with a figure element.

Usage

getFigureFile(element)

Arguments

element Figure element.

Value

Path or URL of the image file or NA if element is not a figure.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
getFigureFileHighRes  Get path or URL of high-resolution of vector-based image file associated with a figure element.

Description
Get path or URL of high-resolution of vector-based image file associated with a figure element.

Usage
getFigureFileHighRes(element)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>element</td>
<td>Figure element.</td>
</tr>
</tbody>
</table>

Value
Path or URL of the image file or NA if element is not a figure.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getGoogleAnalyticsId  Get Google Analytics tracking ID for report.

Description
Get Google Analytics tracking ID for report.

Usage
getGoogleAnalyticsId(report)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>report</td>
<td>Report element.</td>
</tr>
</tbody>
</table>

Value
Google Analytics Tracking ID or NA if not set.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
getLogo

Get logo file for one of six positions (three at the top, three at the bottom) in report.

Description
Get logo file for one of six positions (three at the top, three at the bottom) in report.

Usage
getLogo(report, position)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>report</td>
<td>Report element.</td>
</tr>
<tr>
<td>position</td>
<td>One of LOGO.TOP.LEFT, LOGO.TOP.CENTER, LOGO.TOP.RIGHT, LOGO.BOTTOM.LEFT, LOGO.BOTTOM.CENTER, LOGO.BOTTOM.RIGHT.</td>
</tr>
</tbody>
</table>

Value
Path or URL to the logo file at position.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getMaintainerAffiliation
Get affiliation of maintainer of report.

Description
Get affiliation of maintainer of report.

Usage
gMaintainerAffiliation(report)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>report</td>
<td>Report element.</td>
</tr>
</tbody>
</table>

Value
Affiliation of the maintainer.
getMaintainerEmail  
Get email address of maintainer of report.

Description
Get email address of maintainer of report.

Usage
getMaintainerEmail(report)

Arguments
report  Report element.

Value
Email address of the maintainer.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

gETCHA  
Get name of maintainer of report.

Description
Get name of maintainer of report.

Usage
gETCHA(report)

Arguments
report  Report element.

Value
Name of the maintainer.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
getRendererDate  

Get date when report was rendered.

Description
Get date when report was rendered.

Usage
getRendererDate(report)

Arguments
report  Report element.

Value
Date when report was rendered or NA.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getRendererName  

Get name and version of the Nozzle package that was used to render report.

Description
Get name and version of the Nozzle package that was used to render report.

Usage
getRendererName(report)

Arguments
report  Report element.

Value
Name and version of the Nozzle package that rendered report or NA.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
getReportId  
*Get the ID (a UUID) of report.*

**Description**
Get the ID (a UUID) of report.

**Usage**
```
getReportId(report)
```

**Arguments**
- **report**  Report element.

**Value**
ID of report or NA.

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>

getReportSubTitle  
*Get the subtitle of report.*

**Description**
Get the subtitle of report.

**Usage**
```
getReportSubTitle(report)
```

**Arguments**
- **report**  Report element.

**Value**
SubTitle of report

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>
getReportTitle

*Get the title of report.*

**Description**

Get the title of report.

**Usage**

getReportTitle(report)

**Arguments**

report Report element.

**Value**

Title of report

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

getSignificantEntity

*Get name of entities that are called out as significant, e.g. "gene". This is currently not being used and might become obsolete in future versions of Nozzle.*

**Description**

Get name of entities that are called out as significant, e.g. "gene". This is currently not being used and might become obsolete in future versions of Nozzle.

**Usage**

getSignificantEntity(report)

**Arguments**

report Report element.

**Value**

Name of entities called out as significant.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
getSignificantResultsCount

Get the total number of significant results in report.

Description
Get the total number of significant results in report.

Usage
getsignificantresultscount(report)

Arguments
report The report.

Value
Number of significant results.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getSoftwareName

Get the name of the software that used Nozzle to generate report.

Description
Get the name of the software that used Nozzle to generate report.

Usage
getsoftwarename(report)

Arguments
report Report element.

Value
Name of the software that used Nozzle to generate report.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
getSoftwareVersion

Get the version of the software that used Nozzle to generate report.

Description
Get the version of the software that used Nozzle to generate report.

Usage
getSoftwareVersion(report)

Arguments
report Report element.

Value
Version of the software that used Nozzle to generate report.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

getSummary

Get the first element of the "Summary" subsection in the "Overview" section in a standard report.

Description
Get the first element of the "Summary" subsection in the "Overview" section in a standard report.

Usage
getSummary(report)

Arguments
report The report.

Value
A report element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
**getTableFile**  
*Get path or URL of file associated with table element.*

**Description**

Get path or URL of file associated with table element.

**Usage**

```
getTableFile(element)
```

**Arguments**

- **element**: Table element.

**Value**

Path or URL.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**HTML.FRAGMENT**  
*Output type.*

**Description**

Output type.

**Usage**

```
HTML.FRAGMENT
```

**Format**

```
chr "html_fragment"
```
<table>
<thead>
<tr>
<th>Output type.</th>
<th>Description</th>
<th>Usage</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTML.REPORT</td>
<td>Output type.</td>
<td>HTML.REPORT</td>
<td>chr &quot;html_standalone&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Image type.</th>
<th>Description</th>
<th>Usage</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE.TYPE.PDF</td>
<td>Image type.</td>
<td>IMAGE.TYPE.PDF</td>
<td>num 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Image type.</th>
<th>Description</th>
<th>Usage</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE.TYPE.RASTER</td>
<td>Image type.</td>
<td>IMAGE.TYPE.RASTER</td>
<td>num 0</td>
</tr>
</tbody>
</table>
isFigure

```
IMAGE.TYPE.SVG
```

Image type.

**Description**

Image type.

**Usage**

```
IMAGE.TYPE.SVG
```

**Format**

```
num 1
```

**isFigure**

```
Test if element is a figure element.
```

**Description**

Test if element is a figure element.

**Usage**

```
isFigure(element)
```

**Arguments**

```
element Element to test.
```

**Value**

TRUE if the element is a figure, FALSE otherwise.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
isTable

Test if element is a table element.

Description

Test if element is a table element.

Usage

isTable(element)

Arguments

element Element to test.

Value

TRUE if the element is a table, FALSE otherwise.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

LOGO.BOTCPMEN.TFNCCTR

Logo position.

Description

Logo position.

Usage

LOGO.BOTCPMEN.TFNCCTR

Format

num 16
<table>
<thead>
<tr>
<th>Logo Position</th>
<th>Description</th>
<th>Usage</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOGO.BOTTOM.LEFT</td>
<td>Logo position.</td>
<td>LOGO.BOTTOM.LEFT</td>
<td>num 8</td>
</tr>
<tr>
<td>LOGO.BOTTOM.RIGHT</td>
<td>Logo position.</td>
<td>LOGO.BOTTOM.RIGHT</td>
<td>num 32</td>
</tr>
<tr>
<td>LOGO.TOP.CENTER</td>
<td>Logo position.</td>
<td>LOGO.TOP.CENTER</td>
<td>num 2</td>
</tr>
</tbody>
</table>
Description

Logo position.

Usage

LOGO.TOP.LEFT

Format

num 1

Description

Logo position.

Usage

LOGO.TOP.RIGHT

Format

num 4

newCitation

Create a citation element.

Description

Create a citation element.

Usage

newCitation(authors = "", title, publication = "", issue = "", number = "", pages = "", year = "", url = "")
newCustomReport

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>authors</td>
<td>Names of authors.</td>
</tr>
<tr>
<td>title</td>
<td>Title of the document.</td>
</tr>
<tr>
<td>publication</td>
<td>Name of the publication where the document appeared.</td>
</tr>
<tr>
<td>issue</td>
<td>Issue of the publication.</td>
</tr>
<tr>
<td>number</td>
<td>Number of the publication.</td>
</tr>
<tr>
<td>pages</td>
<td>Pages of the document in the publication.</td>
</tr>
<tr>
<td>year</td>
<td>Year when the document was published.</td>
</tr>
<tr>
<td>url</td>
<td>URL of the document.</td>
</tr>
</tbody>
</table>

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

newCustomReport  

Create a new custom report without pre-defined sections.

Description

Create a new custom report without pre-defined sections.

Usage

newCustomReport(..., version = 0)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>One or more strings that will be concatenated into the report title.</td>
</tr>
<tr>
<td>version</td>
<td>Version number. Not in use.</td>
</tr>
</tbody>
</table>

Value

A new report element.

Author(s)

Nils Gehlenborg (nils@hms.harvard.edu)
Create a new list element.

Description
Create a new list element.

Usage
newFigure(file, ..., fileHighRes = NA,
  type = IMAGE.TYPE.RASTER, exportId = NULL,
  protection = PROTECTION.PUBLIC)

Arguments
- file: Path or URL to the image file. Paths can be absolute or relative.
- ...: Strings that will be concatenated to form the figure caption.
- fileHighRes: Path or URL to a high-resolution or vector-based version of the image file. Paths can be absolute or relative.
- type: Currently only IMAGE.TYPE.RASTER is allowed.
- exportId: Unique string to identify this element. Used to retrieve the element using getExportedElement.
- protection: Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PROTECTION.PRIVATE.

Value
New element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

Create a new freeform HTML element. THIS MUST BE USED WITH EXTRAORDINARY CARE!

Description
Create a new freeform HTML element. THIS MUST BE USED WITH EXTRAORDINARY CARE!

Usage
newHtml(..., style = NULL, exportId = NULL,
  protection = PROTECTION.PUBLIC)
newJournalCitation

Arguments

... Strings that will be concatenated to form the HTML content that will be wrapped into a div element.
style CSS to be applied to the div element.
exportId Unique string to identify this element. Used to retrieve the element using getExportedElement.
protection Procection level. One of PROTECTION_PUBLIC, PROTECTION_GROUP, PROTECTION_PRIVATE.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

newJournalCitation Create a citation element that represents a document published in a journal. This is a convenience wrapper for newCitation.

Description

Create a citation element that represents a document published in a journal. This is a convenience wrapper for newCitation.

Usage

newJournalCitation(authors, title, publication, issue, number, pages, year, url = "")

Arguments

authors Names of authors.
title Title of the document.
publication Name of the publication where the document appeared.
issue Issue of the publication.
number Number of the publication.
pages Pages of the document in the publication.
year Year when the document was published.
url URL of the document.

Value

New element.
newList

Create a new list element.

Description

Create a new list element.

Usage

newList(..., isNumbered = FALSE, exportId = NULL, protection = PROTECTION_PUBLIC)

Arguments

... Elements of type paragraph, list or result that will form the items in the list.

isNumbered If set to FALSE, the list will be unordered with bullet points. If set to TRUE, the list will be numbered with arabic numerals.

exportId Unique string to identify this element. Used to retrieve the element using getExportedElement.

protection Protection level. One of PROTECTION_PUBLIC, PROTECTION_GROUP or PROTECTION_PRIVATE.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

newParagraph

Create a new paragraph element.

Description

Create a new paragraph element.

Usage

newParagraph(..., exportId = NULL, protection = PROTECTION_PUBLIC)
newParameterList

Arguments

... Strings that will be concatenated to form the text of the paragraph.

exportId Unique string to identify this element. Used to retrieve the element using getExportedElement.

protection Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PROTECTION.PRIVATE.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

Description

Create a new parameter list element. A parameter list is an unnumbered list of the form param_1 = value_1, ..., param_n = value_n where param_i is formatted as a parameter and value_i is formatted as a value.

Usage

newParameterList(..., separator = " ", exportId = NULL,
 protection = PROTECTION.PUBLIC)

Arguments

... 2n strings that will be concatenated to form the parameter-value pairs. Strings at positions 1, ..., 2n - 1 will be treated as parameters 1 through n and strings at positions 2, ..., 2n will be treated as values 1 through n.

separator String to be used to separate parameters and values. Whitespace characters need to be supplied if required.

exportId Unique string to identify this element. Used to retrieve the element using getExportedElement.

protection Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PROTECTION.PRIVATE.

Value

New element.
newReport

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

newReport  
Create a new report with pre-defined sections Overview/Introduction, Overview/Summary, Results, Methods & Data/Input, Methods & Data/References and Meta Data.

Description
Create a new report with pre-defined sections Overview/Introduction, Overview/Summary, Results, Methods & Data/Input, Methods & Data/References and Meta Data.

Usage
newReport(..., version = 0)

Arguments
... One or more strings that will be concatenated into the report title.
version Version number. Not in use.

Value
A new report element.

Author(s)
Nils Gehlenborg (nils@hms.harvard.edu)

newResult  
Create a new result element.

Description
Create a new result element.

Usage
newResult(..., isSignificant = FALSE, protection = PROTECTION.PUBLIC)
newSection

Arguments

... One or more strings that will be concatenated to form the text associated with
the result (often just a scalar or single string).

isSignificant If TRUE, the result will be declared significant.

protection Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PRO-
TECTION.PRIVATE.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

newSection Create a new section element.

Description

Create a new section element.

Usage

newSection(..., class = "", exportId = NULL,
protection = PROTECTION.PUBLIC)

Arguments

... Strings that will be concatenated to form the section title.

class If set to SECTION.CLASS.RESULTS, results can be reported in this section. If
set to SECTION.CLASS.META the section will be a meta data section.

exportId Unique string to identify this element. Used to retrieve the element using getExportedElement.

protection Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PRO-
TECTION/private.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
newSubSection  Create a new subsection element.

Description
Create a new subsection element.

Usage
newSubSection(..., exportId = NULL,
    protection = PROTECTION.PUBLIC)

Arguments
...  Strings that will be concatenated to form the subsection title.
exportId  Unique string to identify this element. Used to retrieve the element using getExportedElement.
protection  Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PROTECTION.PRIVATE.

Value
New element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

newSubSubSection  Create a new subsubsection element.

Description
Create a new subsubsection element.

Usage
newSubSubSection(..., exportId = NULL,
    protection = PROTECTION.PUBLIC)

Arguments
...  Strings that will be concatenated to form the subsubsection title.
exportId  Unique string to identify this element. Used to retrieve the element using getExportedElement.
protection  Protection level. One of PROTECTION.PUBLIC, PROTECTION.GROUP, PROTECTION.PRIVATE.
newTable

Create new table element.

Description

Create new table element.

Usage

```
newTable(table, ..., file = NA,
    significantDigits = TABLE.SIGNIFICANT.DIGITS,
    exportId = NULL, protection = PROTECTION.PUBLIC)
```

Arguments

- `table` A matrix or data frame containing the table data. Column names will be extracted and used as column headers.
- `...` Strings that will be concatenated to form the table caption.
- `file` Path or URL to a file containing the full table. It is recommend to only show a relevant subset of all results in the report itself to increase readability.
- `significantDigits` Number of significant digits used to trim all numeric columns. The default is `TABLE.SIGNIFICANT.DIGITS`.
- `exportId` Unique string to identify this element. Used to retrieve the element using `getExportedElement`.
- `protection` Protection level. One of `PROTECTION.PUBLIC`, `PROTECTION.GROUP`, `PROTECTION.PRIVATE`.

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
newWebCitation

Create a citation element that represents a document published online. This is a convenience wrapper for newCitation.

Description

Create a citation element that represents a document published online. This is a convenience wrapper for newCitation.

Usage

newWebCitation(authors, title, url)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>authors</td>
<td>Names of authors.</td>
</tr>
<tr>
<td>title</td>
<td>Title of the document.</td>
</tr>
<tr>
<td>url</td>
<td>URL of the document.</td>
</tr>
</tbody>
</table>

Value

New element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

PROTECTION.GROUP

Group visibility.

Description

Group visibility.

Usage

PROTECTION.GROUP

Format

num 5
PROTECTION PRIVATE

Private visibility.

Description

Private visibility.

Usage

PROTECTION PRIVATE

Format

num 10

PROTECTION PUBLIC

Public visibility.

Description

Public visibility.

Usage

PROTECTION PUBLIC

Format

num 0

PROTECTION TCGA

Group visibility.

Description

Group visibility.

Usage

PROTECTION TCGA

Format

num 5
## RDATA.REPORT

**Description**

Output type.

**Usage**

RDATA.REPORT

**Format**

```
chr "rdata"
```

## SECTION.CLASS.META

**Description**

Section class.

**Usage**

SECTION.CLASS.META

**Format**

```
chr "meta"
```

## SECTION.CLASS.RESULTS

**Description**

Section class.

**Usage**

SECTION.CLASS.RESULTS

**Format**

```
chr "results"
```
setContactInformation  Set contact information for report. This is used to create a "contact" button in the top right corner of the report, e.g. to collect feedback about the report.

Description

Set contact information for report. This is used to create a "contact" button in the top right corner of the report, e.g. to collect feedback about the report.

Usage

setContactInformation(report, email, subject, message, label = NA)

Arguments

- **report**: Report element.
- **email**: Email address of the recipient of contact emails.
- **subject**: Subject of the email to be sent.
- **message**: Message used to pre-populate the email body.
- **label**: Label for the button, e.g. "Contact Us".

Value

Updated report element.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

setCopyright  Set copyright message for report.

Description

Set copyright message for report.

Usage

setCopyright(report, owner, year, statement = NA, url = NA)
**setCustomPrintCss**

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>report</td>
<td>Report element.</td>
</tr>
<tr>
<td>owner</td>
<td>Copyright owner, e.g. &quot;The President and Fellows of Harvard College&quot;.</td>
</tr>
<tr>
<td>year</td>
<td>Copyright year, e.g. &quot;2012&quot; or &quot;2011-2013&quot;.</td>
</tr>
<tr>
<td>statement</td>
<td>Copyright statement, e.g. &quot;All rights reserved.&quot;.</td>
</tr>
<tr>
<td>url</td>
<td>A URL that will be linked to the copyright owner.</td>
</tr>
</tbody>
</table>

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**setCustomPrintCss**  
*Set the path or URL of the CSS file to be used to overwrite the default print (not: screen) style sheet. Can be relative or absolute.*

---

**Description**

Set the path or URL of the CSS file to be used to overwrite the default print (not: screen) style sheet. Can be relative or absolute.

**Usage**

`setCustomPrintCss(report, cssFile)`

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>report</td>
<td>Report element.</td>
</tr>
<tr>
<td>cssFile</td>
<td>URL or a relative or absolute path to a CSS file.</td>
</tr>
</tbody>
</table>

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
setCustomScreenCss  Set the path or URL of the CSS file to be used to overwrite the default screen (not: print) style sheet. Can be relative or absolute.

Description
Set the path or URL of the CSS file to be used to overwrite the default screen (not: print) style sheet. Can be relative or absolute.

Usage
setCustomScreenCss(report, cssFile)

Arguments

- report  Report element.
- cssFile  URL or a relative or absolute path to a CSS file.

Value
Updated report element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

setDoi  Set the DOI (document object identifier, http://www.doi.org) for report. A warning will be emitted if the report has been assigned a DOI before.

Description
Set the DOI (document object identifier, http://www.doi.org) for report. A warning will be emitted if the report has been assigned a DOI before.

Usage
setDoi(report, doi)

Arguments

- report  Report element.
- doi  The document object identifier.
setDoiCreator

Value

Updated report element.

Note

A document object identifier must have been created before this is called.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>

References

http://www.doi.org

setDescription

Set the DOI meta data creator for report.

Description

Set the DOI meta data creator for report.

Usage

setDoiCreator(report, creator)

Arguments

report Report element.
creator Name of the report creator/author.

Value

Updated report element.

Note

This should match the meta data stored for the DOI.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
**setDoiResolver**

*Set the DOI resolver URL (e.g. http://dx.doi.org) for report. The URL must not end with a slash!*

**Description**

Set the DOI resolver URL (e.g. http://dx.doi.org) for report. The URL must not end with a slash!

**Usage**

```scala
setDoiResolver(report, url)
```

**Arguments**

- **report**
  - Report element.
- **url**
  - The resolver URL (without a trailing slash). The default is "http://dx.doi.org".

---

**setDoiPublisher**

*Set the DOI meta data publisher for report.*

**Description**

Set the DOI meta data publisher for report.

**Usage**

```scala
setDoiPublisher(report, publisher)
```

**Arguments**

- **report**
  - Report element.
- **publisher**
  - Publisher of the report.

**Value**

Updated report element.

**Note**

This should match the meta data stored for the DOI.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
setDoiTitle

Value
Updated report element.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

Description
Set the DOI meta data title for report.

Usage
setDoiTitle(report, title)

Arguments
report Report element.
title Title of the report.

Value
Updated report element.

Note
This should match the meta data stored for the DOI.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
**setDoiVersion**  
*Set the DOI meta data version for report.*

**Description**  
Set the DOI meta data version for report.

**Usage**  
```c
setDoiVersion(report, version)
```

**Arguments**
- `report`  
  Report element.
- `version`  
  Version of the report.

**Value**  
Updated report element.

**Note**  
This should match the meta data stored for the DOI.

**Author(s)**
Nils Gehlenborg `<nils@hms.harvard.edu>`

---

**setDoiYear**  
*Set the DOI meta data year for report.*

**Description**  
Set the DOI meta data year for report.

**Usage**  
```c
setDoiYear(report, year)
```

**Arguments**
- `report`  
  Report element.
- `year`  
  Publication year of the report.
setFigureFile

Value
Updated report element.

Note
This should match the meta data stored for the DOI.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>

Description
Set path or URL of image file associated with a figure element. Paths can relative or absolute.

Usage
setFigureFile(element, file)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>element</td>
<td>A figure element.</td>
</tr>
<tr>
<td>file</td>
<td>Path or URL of the image file.</td>
</tr>
</tbody>
</table>

Value
Updated figure element or NA is element is not a figure.

Author(s)
Nils Gehlenborg <nils@hms.harvard.edu>
setFigureFileHighRes  
*Set path or URL of high-resolution or vector-based image file associated with a figure element. Paths can be relative or absolute.*

**Description**
Set path or URL of high-resolution or vector-based image file associated with a figure element. Paths can be relative or absolute.

**Usage**
```
setFigureFileHighRes(element, file)
```

**Arguments**
- **element**: A figure element.
- **file**: Path or URL of the image file.

**Value**
Updated figure element or NA is `element` is not a figure.

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>

setGoogleAnalyticsId  
*Set the Google Analytics tracking ID to be embedded in this report ("web property id", usually starts with "UA-”).*

**Description**
Set the Google Analytics tracking ID to be embedded in this report ("web property id", usually starts with "UA-”).

**Usage**
```
setGoogleAnalyticsId(report, id)
```

**Arguments**
- **report**: Report element.
- **id**: Web property ID for the Google Analytics tracking account.
**setLogo**

**Value**

Updated report element.

**Note**

A (free) Google Analytics account is required.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

**References**

http://www.google.com/analytics

---

**setLogo**

Set a logo file for one of six positions (three at the top, three at the bottom) in report, e.g. an institute logo.

---

**Description**

Set a logo file for one of six positions (three at the top, three at the bottom) in report, e.g. an institute logo.

**Usage**

setLogo(report, filename, position)

**Arguments**

- **report**: Report element.
- **filename**: Path or URL to the logo file (relative) to the final location of the report HTML file.
- **position**: One of LOGO.TOP.LEFT, LOGO.TOP.CENTER, LOGO.TOP.RIGHT, LOGO.BOTTOM.LEFT, LOGO.BOTTOM.CENTER, LOGO.BOTTOM.RIGHT.

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
**setMaintainerAffiliation**  
*Set affiliation of maintainer of report.*

**Description**
Set affiliation of maintainer of report.

**Usage**
```java
setMaintainerAffiliation(report, ...)
```

**Arguments**
- `...`: One or more strings that will be concatenated to form the affiliation of the maintainer.

**Value**
Updated report element.

**Author(s)**
Nils Gehlenborg <nils@hms.harvard.edu>

**setMaintainerEmail**  
*Set email address of maintainer of report.*

**Description**
Set email address of maintainer of report.

**Usage**
```java
setMaintainerEmail(report, ...)
```

**Arguments**
- `...`: One or more strings that will be concatenated to form the email address of the maintainer.

**Value**
Updated report element.
**setMaintainerName**

*Set name of maintainer of report.*

**Description**

Set name of maintainer of report.

**Usage**

```
setMaintainerName(report, ...)
```

**Arguments**

- **report**: Report element.
- **...**: One or more strings that will be concatenated to form the name of the maintainer.

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

**setNextReport**

*Set the URL and title of the "next" report after report. This will be accessible through the utility menu.*

**Description**

Set the URL and title of the "next" report after report. This will be accessible through the utility menu.

**Usage**

```
setNextReport(report, url, ...)
```

**Arguments**

- **report**: Report object.
- **url**: URL of the next report.
- **...**: One or more strings that will be concatenated to form the title of the next report.
setParentReport

Set the URL and title of the "parent" report above report. This will be accessible through the utility menu.

Description

Set the URL and title of the "parent" report above report. This will be accessible through the utility menu.

Usage

setParentReport(report, url, ...)

Arguments

- **report**: Report object.
- **url**: URL of the next report.
- **...**: One or more strings that will be concatenated to form the title of the parent report.

Value

Updated report element.

Author(s)

nils
setPreviousReport

Set the URL and title of the "previous" report before report. This will be accessible through the utility menu.

**Description**

Set the URL and title of the "previous" report before report. This will be accessible through the utility menu.

**Usage**

```javascript
setPreviousReport(report, url, ...)
```

**Arguments**

- **report**
  - Report object.
- **url**
  - URL of the next report.
- **...**
  - One or more strings that will be concatenated to form the title of the previous report.

**Value**

Updated report element.

**Author(s)**

nils

---

setReportSubTitle

Set the subtitle of report.

**Description**

Set the subtitle of report.

**Usage**

```javascript
setReportSubTitle(report, ...)
```

**Arguments**

- **report**
  - Report element.
- **...**
  - One or more strings that will be concatenated to form the subtitle of the report.
**setSignificantEntity**

Set name of entities that are called out as significant, e.g. "gene". This is currently not being used and might become obsolete in future versions of Nozzle.

**Description**

Set name of entities that are called out as significant, e.g. "gene". This is currently not being used and might become obsolete in future versions of Nozzle.

**Usage**

```
setSignificantEntity(report, ...)
```
setSoftwareName

Arguments

  report Report element.
  ... List of strings that will be concatenated to form the name of the entities.

Value

  Updated report element.

Author(s)

  Nils Gehlenborg <nils@hms.harvard.edu>

---

setSoftwareName

Set the name of the software that used Nozzle to generate report, e.g. "My Report Generator Script".

Description

  Set the name of the software that used Nozzle to generate report, e.g. "My Report Generator Script".

Usage

  setSoftwareName(report, ...)

Arguments

  report Report element.
  ... One or more strings that will be concatenated to form the name of the software.

Value

  Updated report element.

Author(s)

  Nils Gehlenborg <nils@hms.harvard.edu>
setSoftwareVersion

*Set the name of the software that used Nozzle to generate report, e.g. “Version 1.2”.*

**Description**

Set the name of the software that used Nozzle to generate report, e.g. "Version 1.2".

**Usage**

`setSoftwareVersion(report, ...)`

**Arguments**

- `report`  
  Report element.
- `...`  
  One or more strings that will be concatenated to form the version of the software.

**Value**

Updated report element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>

---

setTableFile

*Set path or URL of file associated with table element.*

**Description**

Set path or URL of file associated with table element.

**Usage**

`setTableFile(element, file)`

**Arguments**

- `element`  
  Table element.
- `file`  
  Path or URL to file.

**Value**

Updated element.

**Author(s)**

Nils Gehlenborg <nils@hms.harvard.edu>
TABLE.SIGNIFICANT.DIGITS

Default number of significant digits to be used to trim numeric columns in tables.

Description

Default number of significant digits to be used to trim numeric columns in tables.

Usage

TABLE.SIGNIFICANT.DIGITS

Format

num 2

writeReport

Write report to file.

Description

Write report to file.

Usage

writeReport(report, filename = DEFAULT.REPORT.FILENAME, debug = FALSE, output = c(HTML.REPORT, RDATA.REPORT), credits = TRUE, level = PROTECTION.PUBLIC, debugCss = NA, debugJavaScript = NA)

Arguments

report The report to be written.
filename Name of the output file without file extension.
dezeg If TRUE, external CSS (debugCss) and JavaScript (debugJavaScript) can be supplied.
output A list of output formats. Any combination of HTML.REPORT and RDATA.REPORT is allowed.
credits If TRUE, a note and a link will be included at the bottom of the report to indicate that it was created with Nozzle.
level

The protection level of the report. If set to PROTECTION.PUBLIC only elements with protection level PROTECTION.PUBLIC (default) will be included in the report. If set to PROTECTION.GROUP, then all elements with protection level PROTECTION.PUBLIC and PROTECTION.GROUP will be included. If set to PROTECTION.PRIVATE all elements will be included.

debugCss

A path or URL to a CSS file that should be used instead of the built-in CSS. Only used if debug is TRUE.

debugJavaScript

A path or URL to a JavaScript file that should be used instead of the built-in JavaScript. Only used if debug is TRUE.

Author(s)

Nils Gehlenborg <nils@hms.harvard.edu>
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