Introduction to the \texttt{sss} package for reading and parsing sss files.

Andrie de Vries

April 1, 2017

\texttt{sss} is a package that makes it easy to read and parse survey data in the sss file format.

1 Example

Set path to point to import files.

\begin{verbatim}
> library(sss)
> filenameSSS <- "sample.sss"
> filenameASC <- "sample.asc"
\end{verbatim}

Import and parse the files

\begin{verbatim}
> sssXML <- readSSSmetadata(filenameSSS)
> sss <- parseSSSmetadata(sssXML)
> asc <- readSSSdata(filenameASC)
\end{verbatim}

Display the results.

\begin{verbatim}
> df <- read.sss(filenameSSS, filenameASC)
> print(str(df))
\end{verbatim}

\begin{verbatim}
'data.frame': 3 obs. of 17 variables:
$ Q1 : chr "Visited before within the year" "Visited before that" "Visited before within the
$ Q2_1: num 1 0 1
$ Q2_2: num 0 1 0
$ Q2_3: num 1 0 0
$ Q2_4: num 0 0 1
$ Q2_5: num 0 0 0
$ Q2_6: num 0 0 0
$ Q2_7: num 0 0 0
$ Q2_8: num 0 0 0
\end{verbatim}
$ Q2.9: num 1 0 1  
$ Q3: chr "Amusement Park" "" ""Marco's" Restaurant"  
$ Q4.1: chr "Sherwood Forest" "Nottingham Castle" "Other"  
$ Q4.2: chr "Other" NA "Maid Marion" Cafe"  
$ Q5: num 12 999 58  
$ Q6: logi TRUE TRUE FALSE  
$ Q7: chr "Within 3 months" "More than 1 years time" NA  
$ Q99: num 1.4 0.9 0.7  
- attr(*, "variable.labels")= chr "Number of visits" "Attractions visited" "Attractions visited"  
- attr(*, "label.table")=List of 8  
..$ 1: Named chr "1" "2" "3"  
..- attr(*, "names")= chr "First visit" "Visited before within the year" "Visited before that"  
..$ 2: Named chr "1" "2" "3" "4" ...  
..- attr(*, "names")= chr "Sherwood Forest" "Nottingham Castle" "Friar Tuck" Restaurant" "Maid Marion" Cafe"  
..$ 3: Named chr NA  
..- attr(*, "names")= chr NA  
..$ 4: Named chr "1" "2" "3" "4" ...  
..- attr(*, "names")= chr "Sherwood Forest" "Nottingham Castle" "Friar Tuck" Restaurant" "Maid Marion" Cafe"  
..$ 5: Named chr "500" "999"  
..- attr(*, "names")= chr "500 or more" "Not stated"  
..$ 6: Named chr NA  
..- attr(*, "names")= chr NA  
..$ 7: Named chr "1" "2" "3" "4" ...  
..- attr(*, "names")= chr "Within 3 months" "Between 3 months and 1 year" "More than 1 year"  
..$ 99: Named chr NA  
..- attr(*, "names")= chr NA

NULL

> print(df$Q1)

[1] "Visited before within the year" "Visited before that"  
[3] "Visited before within the year"

2 Final thoughts

The last word.