Introduction to the **sss** package for reading and parsing sss files.

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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.

```
> library(sss)
> filenameSSS <- "sample.sss"
> filenameASC <- "sample.asc"
```

Import and parse the files

```
> sssXML <- readSSSmetadata(filenameSSS)
> sss <- parseSSSmetadata(sssXML)
> asc <- readSSSdata(filenameASC)
```

Display the results.

```
> df <- read.sss(filenameSSS, filenameASC)
> print(str(df))

'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
```

```
$ Q2_9: num  1 0 1
$ Q3  : chr  "Amusement Park              " "                              " " "\"Marco's\" Re
$ 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 visit
- attr(*, "label.table")=List of 8
 ..$ 1 : Named chr  "1" "2" "3"
 .. ..- attr(*, "names")= chr  "First visit" "Visited before within the year" "Visited before
 ..$ 2 : Named chr  "1" "2" "3" "4" ...
 .. ..- attr(*, "names")= chr  "Sherwood Forest" "Nottingham Castle" "\"Friar Tuck\" Restauran
 ..$ 3 : Named chr NA
 .. ..- attr(*, "names")= chr NA
 ..$ 4 : Named chr  "1" "2" "3" "4" ...
 .. ..- attr(*, "names")= chr  "Sherwood Forest" "Nottingham Castle" "\"Friar Tuck\" Restauran
 ..$ 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"
 .. ..- attr(*, "names")= chr  "Within 3 months" "Between 3 months and 1 year" "More than 1 ye
 ..$ 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.