

Lab 1 How to Read and Write?

Xiaoqin Yang yangxiaoqin@suda.edu.cn

How to input?

```
read.table(file, header = FALSE, sep = "", quote = "\""",
           dec = ".", numerals = c("allow.loss", "warn.loss", "no.loss"),
           row.names, col.names, as.is = !stringsAsFactors,
           na.strings = "NA", colClasses = NA, nrows = -1,
           skip = 0, check.names = TRUE, fill = !blank.lines.skip,
           strip.white = FALSE, blank.lines.skip = TRUE,
           comment.char = "#",
           allowEscapes = FALSE, flush = FALSE,
           stringsAsFactors = default.stringsAsFactors(),
           fileEncoding = "", encoding = "unknown", text, skipNul = FALSE)
read.csv(file, header = TRUE, sep = ",", quote = "\"",
         dec = ".", fill = TRUE, comment.char = "", ...)
read.csv2(file, header = TRUE, sep = ";", quote = "\"",
          dec = ",", fill = TRUE, comment.char = "", ...)
read.delim(file, header = TRUE, sep = "\t", quote = "\"",
           dec = ".", fill = TRUE, comment.char = "", ...)
read.delim2(file, header = TRUE, sep = "\t", quote = "\"",
           dec = ",", fill = TRUE, comment.char = "", ...)
```

https://www.rdocumentation.org/packages/utils/versions/3.6.2/topics/read.table

How to output?

https://www.rdocumentation.org/packages/utils/versions/3.6.2/topics/write.table

The Key point for the combination

- How many rows we have ?
- The order of the rows.
- Set the column names.
- Make any summary statistics?
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Outline of this Lab

- Load in all the four txt files.
- Combine them into one data.frame.
- Calculate the sum for each columns and add these numbers as the last row of the data.frame.
- Output the new data.frame as the txt file (Lab1.txt).
- Submit your R script (e.g. James_Bond_Lab1.R)