

Importing (and Exporting) from Excel to R

- I like the XLConnect package for moving files between R and Excel. It provides a lot of different options.
- Lately, I have had some people (mostly Mac users) report issues using XLConnect, so I also show the readxl and writexl packages (which do not require Java).
- If you are working with very large files, you will want to check out the openxlsx package. (Not shown.)

Approach #1: Using XLConnect package

#Import Data

```
library(XLConnect)
excel.file <- file.path("C:/hess/STAT511_FA11/ExData1.xlsx")
InData <- readWorksheetFromFile(excel.file, sheet = "Sheet1")
str(InData)
```

#Export Data

```
wb <- loadWorkbook("C:/hess/STAT511_FA11/ExData2.xlsx", create =
TRUE)
createSheet(wb, name = "Cars")
writeWorksheet(wb, data = mtcars, sheet = "Cars")
saveWorkbook(wb)
```

Approach #2: Using readxl package

#Import Data

```
library(readxl)
InData <- read_excel("C:/hess/STAT511_FA11/ExData1.xlsx", sheet
= "Sheet1")
str(InData)
```

#Export Data

```
library(writexl)
write_xlsx(mtcars, "C:/hess/STAT511_FA11/ExData2.xlsx")
```