

## Importing (and Exporting) from Excel to R

- The `readxl` and `writexl` packages do not require Java.
- I also like the `XLConnect` package for moving files between R and Excel. It provides a lot of different options. But some people (including some Mac users) report problems because it requires Java.
- If you are working with very large files, you will want to check out the `openxlsx` package. (Not shown.)

### Approach #1: 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")
```

### Approach #2: 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)
```