

Importing Your Data Into R

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1. How to import .csv files

```
mydata.csv <- read.csv("/Users/congwang/Desktop/Real-world Data/sample data/1_Understanding_your_data.csv",
header=TRUE)

#Or

setwd("/Users/congwang/Desktop/Real-world Data/sample data") #setting the default location of files you read
into R
mydata.csv1 <- read.csv("1_Understanding_your_data.csv",header=TRUE)
```

2. How to import .xlsx files

To import .xlsx files, you need to install and load a package called "readxl" first.

```
install.packages("readxl")
library(readxl)
mydata.xlsx <- read_excel("/Users/congwang/Desktop/Real-world Data/sample data/1_Understanding_your_data.xlsx",
sheet=1)
```

3. How to import .sav (spss) files

```
install.packages("foreign")
library(foreign)
mydata.sav <- read.spss("/Users/congwang/Desktop/Real-world Data/sample data/1_Understanding_your_data.sav",
to.data.frame=TRUE)
```

4. Data Checking

4.1 Viewing your data in R

```
View(mydata.csv)
```

4.2 Checking the size of the data

```
dim(mydata.csv)
```

The data contains 69 rows and 138 columns.

4.3 Checking the first/last few entries of the data

```
head(mydata.csv, n=5)
tail(mydata.csv, n=5)
```