Navigating in R

Rudy

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Navigating folders, creating and editing files

```r
getwd() ## returns current working directory
```

```
## [1] "C:/Users/RudyR/Desktop/R Projects/Rudys_First_Project"
```

```r
x <- getwd()
setwd(x) ## sets the current working directory.
        ## Relative versus absolute paths:
        ## relative `setwd("../")`
        ## absolute `setwd("C:/Users/RudyR/OneDrive/Desktop")`
        ## in Windows: `setwd(C:\\users\\RudyR\\Desktop)`

        ## test whether a file path exists, returns TRUE or FALSE
if(!file.exists("data")) {
    dir.create("data")  ## to create a folder
}

str(download.file)  ## downloads a file from an URL
```

```
## function (url, destfile, method, quiet = FALSE, mode = "w", cacheOK = TRUE,
##     extra = getOption("download.file.extra"), headers = NULL, ...)
```

```r
                ## method `curl` needs to be specified for https websites when
                ## downloading on a Mac. Not needed on windows.

file <- "C:/Users/RudyR/Desktop/R Projects/Rudys_First_Project/data/HouseholdExpenditure2019.csv"

        ## Read data in a flat file format
ExpenditureData <- read.table(file, sep = ",", header = TRUE)
        ## another option, `read.csv()` defaults sep = "," header = TRUE
head(ExpenditureData) ## reads the first few lines of an object
```

```
##   MsCode      HECCode   Estimate RSE Flag
## 1   M003 Total Gross 2441552500  NA    R
## 2   M003   Total Net 2370610600  NA    R
## 3   M003          01  410549200  NA    R
## 4   M003        01.1   41365600  NA    R
## 5   M003     01.1.01   16868800  NA    R
## 6   M003   01.1.01.1    2116800  NA    R
```