

# Homework 2

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## Exercise 2 of baseR for Biologists

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```
path.root <- "C:/Users/rikee/OneDrive/Documents/baseR-V2020.2/baseR-V2020.2"
path.exercises <- paste(path.root, "/data/exercise_dat", sep = "")
path.examples <- paste(path.root, "/data/powerpoint_dat", sep = "")
path.gitfolder <- "C:/Users/rikee/code/R_class/Homework"
```

### Changing working directory and listing files

```
setwd(path.exercises)
list.files()
```

```
## [1] "AnnualLekSummary.RData" "bearclawpoppy.csv"
## [3] "coyote_drugs.csv"      "coyotebehav.csv"
## [5] "coyotebehav.xlsx"     "fish_recapture.csv"
## [7] "fish_recapture.xlsx"  "grazing_error.txt"
## [9] "grazing_impacts.csv"  "grazing_impacts.RData"
## [11] "gsg_leks.csv"         "gsg_leksummarystats.csv"
## [13] "LekSummaryStats.csv"  "lichens_environ.csv"
## [15] "lichens_environ.xls"  "lichens_location.csv"
## [17] "rodents_seedchoice.csv" "rodents_seedchoice.RData"
## [19] "sculpin_modfit.csv"   "tave.dbf"
## [21] "tmax.dbf"            "tmax_all.dbf"
## [23] "tmin.dbf"            "zapusmorph.csv"
## [25] "zapusmorph_short.csv"
```

### Changing to R Class git repo and listing files

```
setwd(path.gitfolder)
list.files()
```

```
## [1] "Homework_1.html" "Homework_1.Rmd" "Homework_2.html" "Homework_2.log"
## [5] "Homework_2.Rmd"  "Homework_2.tex"  "Homework_3.docx" "Homework_3.html"
## [9] "Homework_3.Rmd"  "Homework_4.html" "Homework_4.Rmd"  "Homework_5.html"
## [13] "Homework_5.Rmd"
```

### Checking current working directory

```
getwd() #returns my active working directory
```

```
## [1] "C:/Users/rikee/code/R_class/Homework"
```

```
ls()
```

```
## [1] "path.examples" "path.exercises" "path.gitfolder" "path.root"
```

Changing working directory back to root and saving pathnames there

```
setwd(path.root)
```

```
save(path.root, path.gitfolder, path.examples, path.exercises, file = "data/baseR.pathnames.RData")
```

```
#Verified that they were made
```

Reloading pathnames after restart

```
setwd("C:/Users/rikee/OneDrive/Documents/baseR-V2020.2/baseR-V2020.2/data")
```

```
load("baseR.pathnames.RData")
```

```
ls()
```

```
## [1] "path.examples" "path.exercises" "path.gitfolder" "path.root"
```

#Couldn't figure out MikTeX installation to get this to output as a pdf. Couldn't find "complete" version that the Rstudios prompt recommended and the "basic" version didn't work.

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Done