

Week 2 Classes

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##Coding Standards in R

1- always use text files / text editor

2- indent your code

3- limit the width of your code to ~80 columns select all, CMD + I try not to do more than 2 nested for loops

4- limit the length of individual functions one basic activity per function

##Markdown

markdown is a text-to-HTML conversion tool for web writers.

This text will appear italicized!

Bold

#main heading ##secondary heading ###tertiary heading

-first item in list -second item in list -third item in list

1. first item in list
2. second item in list
3. third item in list

links Download R

Advanced linking

I spend so much time reading R bloggers and Simply statistics!

Newlines require a double space after a line

john grubers website for the official markdown documentation

github markdown guide

#R Markdown

a core tool in literate statistical programming

R markdown can be converted to standard markdown using the knitr package in R

markdown can be converted to HTML using markdown package in R

slidify package is easy fix for converting to slides

My First R Markdown File

This is my first R Markdown file.

Here, we're going to load some data.

```
library(datasets)
```

```
data(airquality)
```

```
summary(airquality)
```

```
##      Ozone      Solar.R      Wind      Temp
##  Min.   : 1.00   Min.   : 7.0   Min.   : 1.700   Min.   :56.00
## 1st Qu.: 18.00   1st Qu.:115.8   1st Qu.: 7.400   1st Qu.:72.00
## Median : 31.50   Median :205.0   Median : 9.700   Median :79.00
## Mean   : 42.13   Mean   :185.9   Mean   : 9.958   Mean   :77.88
## 3rd Qu.: 63.25   3rd Qu.:258.8   3rd Qu.:11.500   3rd Qu.:85.00
## Max.   :168.00   Max.   :334.0   Max.   :20.700   Max.   :97.00
## NA's   :37      NA's   :7
##      Month      Day
##  Min.   :5.000   Min.   : 1.0
## 1st Qu.:6.000   1st Qu.: 8.0
## Median :7.000   Median :16.0
## Mean   :6.993   Mean   :15.8
## 3rd Qu.:8.000   3rd Qu.:23.0
## Max.   :9.000   Max.   :31.0
##
```

let's first make a parts plot of the data.

```
pairs(airquality)
```

