MyFirstMarkdownDocument

Paul Lopez

2022-12-17

This is my first Markdown document. Let's install tinytex for pdf docs.

```r
tinytex::install_tinytex(force=TRUE)
```

Let's load some data.

```r
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
##
```

Now let's try material from Math530

```r
curve(dbeta(x, shape1 = 7, shape2 = 4), 0, 1)
abline(h = dbeta(0.3668031, shape1 = 7, shape2 = 4), col="red")
```