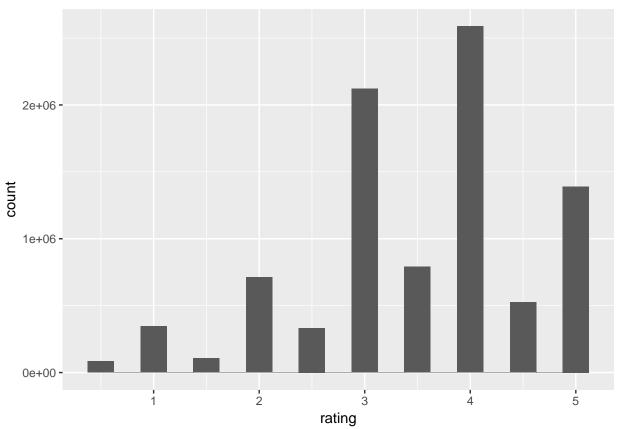
# Report

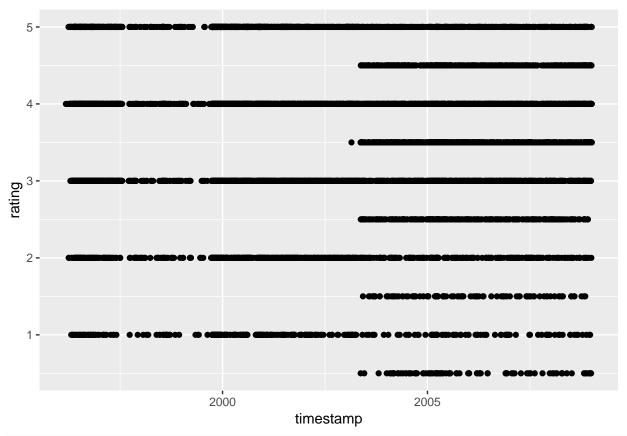
Egar Garcia 1/22/2019

### Overview

```
edx %>%
  ggplot() +
  geom_histogram(aes(x = rating), binwidth = 0.25)
```

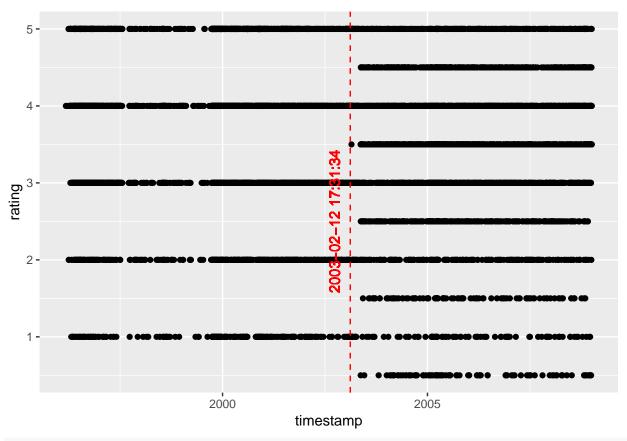


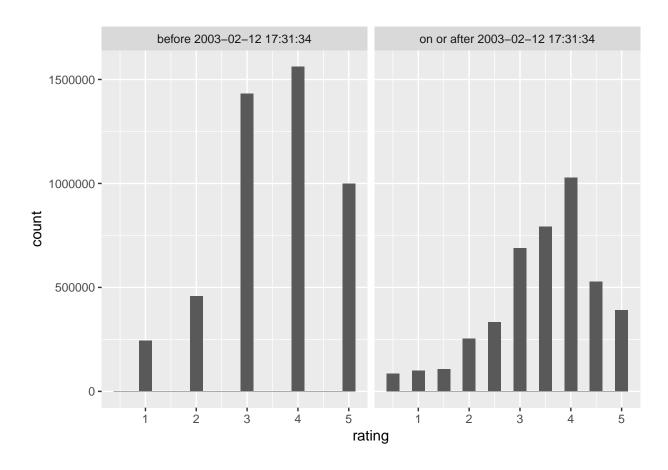
```
edx[createDataPartition(y = edx$rating, times = 1, p = 0.001, list = FALSE),] %>%
    ggplot(aes(x = as_datetime(timestamp), y = rating)) +
    geom_point() +
    labs(x = 'timestamp', y = 'rating')
```



```
half_stars_startpoint <- min(filter(edx, (rating * 2) %% 2 == 1)$timestamp)
```

#### 2003-02-12 17:31:34





#### Methods

#### Simple Average

#### Pseudo Linear Model

See: https://rafalab.github.io/dsbook/recommendation-systems.html

#### R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

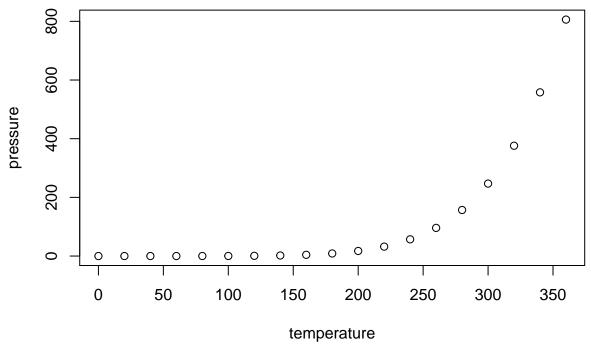
#### summary(cars)

```
## speed dist
## Min. : 4.0 Min. : 2.00
## 1st Qu.:12.0 1st Qu.: 26.00
## Median :15.0 Median : 36.00
## Mean :15.4 Mean : 42.98
```

```
## 3rd Qu.:19.0 3rd Qu.: 56.00
## Max. :25.0 Max. :120.00
```

## **Including Plots**

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.