Lab 5

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```r
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
library(stringr)
```

```r
importcsv <- read.csv("allbindproduct.csv")
reviewed <- importcsv
```

```r
revs <- reviewed$reviewer
reviewed$reviewer <- gsub("\\p{So}", "", reviewed$reviewer, perl = TRUE)
```

```r
revreviews <- reviewed$reviews

#lower
reviewed$reviews <- tolower(reviewed$reviews)

#remove emoji
reviewed$reviews <- gsub("\\p{So}", "", reviewed$reviews, perl = TRUE)

#removal of non-english rev
reviewed$reviews <- gsub("[^A-Za-z ]", "",  reviewed$reviews)
```

```r
reviewed$date.of.review <- revs
reviewed$date.of.review <- str_extract(reviewed$date.of.review,"\\d+\\s[A-Za-z]+\\s\\d+")
reviewed$date.of.review <- as.Date(reviewed$date.of.review, format = "%d %b %Y")
```

```r
revratings <- reviewed$ratings

#filter-character
reviewed$ratings <- gsub("\\s*out\\s*of\\s*5\\s*stars", "", reviewed$ratings)

#filter-integer
reviewed$ratings <- gsub("[^0-9.]", "", reviewed$ratings)

#change-integer
```

```r
reviewed$ratings <- as.integer(reviewed$ratings)
```

```r
head(reviewed)
```

```
##   X category
## 1 1   Sponge
## 2 2   Sponge
## 3 3   Sponge
## 4 4   Sponge
## 5 5   Sponge
## 6 6   Sponge
##                                                                      name
## 1 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
## 2 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
## 3 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
## 4 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
## 5 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
## 6 Scrub Daddy Flex Texture Cleaning Sponge, Original Yellow 4 1/8 inches
##        reviewer
## 1 Robert Smith
## 2      SherwinE
## 3      SherwinE
## 4           Gav
## 5          Beth
## 6          Lois
##                                                                          revie
## 1                        we do about  to  hours of washing a day this only lasts us for  weeks
## 2 scrub daddy is the best of all its easy to clean and can be used on harsh utensils highly recommen
## 3                                                                     exactly as descri
## 4                                                                        need i say mo
## 5                                                                       works a cha
## 6                                       havent used anything better my go to cleaning spo
##            verified date.of.review ratings
## 1 Verified Purchase           <NA>       4
## 2 Verified Purchase           <NA>       5
## 3 Verified Purchase           <NA>       3
## 4 Verified Purchase           <NA>       3
## 5 Verified Purchase           <NA>       5
## 6 Verified Purchase           <NA>       5
```