Assignment 2

R Markdown

```
#Display results of the resultant dataframe
getresults
```

##		movie_name	reviewer_last_name	reviewer_first_name	rating
##	1	Almost Famous	Caitlin	Andy	NA
##	2	Almost Famous	King	Christopher	NA
##	3	Almost Famous	McDonald	Ellen	4.6
##	4	Almost Famous	Obama	Barack	4.4
##	5	Almost Famous	Rowling	JK	NA
##	6	Slumdog Millionaire	Caitlin	Andy	4.8
##	7	Slumdog Millionaire	King	Christopher	1.7
##	8	Slumdog Millionaire	McDonald	Ellen	NA
##	9	Slumdog Millionaire	Obama	Barack	NA
##	10	Slumdog Millionaire	Rowling	JK	3.2
##	11	Tesla	Caitlin	Andy	3.2
##	12	Tesla	King	Christopher	NA
##	13	Tesla	McDonald	Ellen	NA
##	14	Tesla	Obama	Barack	NA
##	15	Tesla	Rowling	JK	3.1
##	16	The English Patient	Caitlin	Andy	1.7
##	17	The English Patient	King	Christopher	1.5
##	18	The English Patient	McDonald	Ellen	NA
##	19	The English Patient	Obama	Barack	NA
##	20	The English Patient	Rowling	JK	NA
##	21	The King's Speech	Caitlin	Andy	4.7
##	22	The King's Speech	King	Christopher	NA
##	23	The King's Speech	McDonald	Ellen	NA
##	24	The King's Speech	Obama	Barack	5.0

```
4.5
## 25
       The King's Speech
                                     Rowling
                                                              JK
## 26
                  Titanic
                                     Caitlin
                                                                     NA
                                                            Andy
                                                     Christopher
## 27
                  Titanic
                                        King
                                                                     NA
## 28
                  Titanic
                                    McDonald
                                                           Ellen
                                                                     NA
## 29
                  Titanic
                                       Obama
                                                          Barack
                                                                     NA
## 30
                  Titanic
                                                              JK
                                                                     NA
                                     Rowling
#Group results by movie name, this is helpful at first glance to retrieve ratings by reviewer for each
gb_movie_name <- group_by(getresults, movie_name)</pre>
#But what would be really useful is to see the average rating for each movie...
avg_movie_review <- summarize(gb_movie_name, count = n(), rating = mean(round(rating), na.rm=TRUE))
## 'summarise()' ungrouping output (override with '.groups' argument)
avg_movie_review
## # A tibble: 6 x 3
##
    movie_name
                         count rating
                         <int> <dbl>
##
    <chr>
## 1 Almost Famous
                             5
                                4.5
                                 3.33
## 2 Slumdog Millionaire
                             5
## 3 Tesla
                             5
                                 3
                             5
## 4 The English Patient
                                2
                                4.67
## 5 The King's Speech
                             5
## 6 Titanic
                             5 NaN
#There is one reviewer who hasn't reviewed any movies and we set that value to 0.
avg_movie_review$rating[is.nan(avg_movie_review$rating)] <- 0</pre>
#Finally, we plot and analyze the data. Among the survey responses, The King's Speech had the highest r
ggplot(data = avg_movie_review) + geom_bar(mapping = aes(x = movie_name, y = rating), stat = "identity"
```

