

Assignment 2

Umais Siddiqui

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Git hub : <https://github.com/umais/DATA-607/tree/master/Assignment2>

Rpub : <http://rpubs.com/umais/305818>

Movies Database

This R Markdown is written to work with the MYSQL Movies database. The SQL file can be viewed from the github link below.

The database that is created has three tables . RecentMovies, Person and PersonMovieRating. RecentMovies will store the movie information for the recent movies. The Person table stores all the people that were surveyed to rate the movie. The PersonMovieRating stores the ratings that were collected by the people in the person table. We will be joining these tables and gathering this information in one select query and then loading it in to a R data frame.

Step 1 Load the R MYSQL Library

```
library(RMySQL)
```

```
## Loading required package: DBI
```

Step 2 Connect to the MySQL Movies database

In this step we will be connecting to the Movies database and retrieving the information that was collected in the survey and load that in the R Data Frame

```
mydb = dbConnect(MySQL(), user='root', password='Welcome@1', dbname='movies', host='localhost')
```

```
rs = dbSendQuery(mydb, "SELECT m.MovieName,p.FirstName,p.LastName,r.Rating
FROM PersonMovieRating r INNER JOIN RecentMovie m
on r.MovieId=m.MovieId
INNER JOIN Person p
ON r.personID=p.personid;")
```

```
## Warning in .local(conn, statement, ...): Decimal MySQL column 3 imported as
## numeric
```

```
df=fetch(rs, n=-1)
```

Step 3 Show the first few rows using the head function and show the summary of the ratings.

```
head(df)
```

```
##           MovieName FirstName LastName Rating
## 1           Get Out    Mussab    Aftab    3.0
## 2             Logan    Mussab    Aftab    5.0
## 3 Spider Man Homecoming    Mussab    Aftab    3.5
## 4       Wonder Women    Mussab    Aftab    2.5
## 5       John Wick 2    Mussab    Aftab    5.0
## 6 Gaurdian Of The Galaxy 2    Mussab    Aftab    5.0
```

```
summary(df$Rating)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  2.000   3.000   4.000   3.845   5.000   5.000
```