607 Assignment 2

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Library I used to connect to mysql database.

```
library(RMySQL)
```

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

Connecting to mysql database.

```
mysqlconnection = dbConnect(RMySQL::MySQL(),
dbname='data607lab2',
host='127.0.0.1',
port=3306,
user='root',
password='insertyourownpasswordhere')
```

Viewing the tables in my database

```
dbListTables(mysqlconnection)
```

```
## [1] "people""ratings"
```

I used sql to pull organized data. I added a case when for rating 6 since it equals "N/A"

```
result = dbSendQuery(mysqlconnection, "SELECT people.personid, people.name, ratings.Movien
ELSE ratings.rating END AS 'rating'
FROM ratings
INNER JOIN people ON people.personid=ratings.ID")
```

```
data.frame = fetch(result)
```

```
print(data.frame)
```

```
##    personid      name      Moviename rating
## 1         1       Mom      You People      4
## 2         1       Mom          M3GAN      4
## 3         1       Mom   Infinity Pool      1
## 4         1       Mom        The Menu      5
## 5         1       Mom         Missing      2
```

```
## 6            1          Mom Shotgun Wedding N/A
## 7            2          Dad      You People    2
## 8            2          Dad          M3GAN    3
## 9            2          Dad   Infinity Pool    3
## 10           2          Dad        The Menu    5
## 11           2          Dad         Missing    5
## 12           2          Dad Shotgun Wedding N/A
## 13           3       Sister      You People  N/A
## 14           3       Sister          M3GAN    5
## 15           3       Sister   Infinity Pool    5
## 16           3       Sister        The Menu    4
## 17           3       Sister         Missing    2
## 18           3       Sister Shotgun Wedding    2
## 19           4      Brother      You People    5
## 20           4      Brother          M3GAN    2
## 21           4      Brother   Infinity Pool    2
## 22           4      Brother        The Menu    2
## 23           4      Brother         Missing    4
## 24           4      Brother Shotgun Wedding    5
## 25           5 Grandfather      You People    5
## 26           5 Grandfather          M3GAN    4
## 27           5 Grandfather Infinity Pool    4
## 28           5 Grandfather        The Menu    5
## 29           5 Grandfather         Missing    5
## 30           5 Grandfather Shotgun Wedding    4
```

I calculated the rating averages for each movie and made sure to not include 6 which equals "N/A"

```
result2 = dbSendQuery(mysqlconnection, "SELECT ratings.moviename, AVG(ratings.rating)
FROM ratings
WHERE NOT ratings.rating = 6
GROUP BY 1
order by 2 DESC")
```

```
## Warning in .local(conn, statement, ...): Decimal MySQL column 1 imported as
## numeric
```

```
data.frame2 = fetch(result2)
```

```
print(data.frame2)
```

```
##          moviename AVG(ratings.rating)
## 1         The Menu             4.2000
## 2       You People             4.0000
## 3 Shotgun Wedding             3.6667
## 4           M3GAN             3.6000
## 5         Missing             3.6000
## 6   Infinity Pool             3.0000
```

The Menu came in as the highest rated movie while Infinity Pool was the lowest rated movie.