In [ ]:

In [2]:
```
data <- read_excel("D:/Data.xlsx")
head(data)
```

Movie	Year	Ratings	Genre	Gross	Budget	Screens	Sequel	Sentiment	Views
13 Sins	2014	6.3	8	9.13e+03	4.0e+06	45	1	0	3280543
22 Jump Street	2014	7.1	1	1.92e+08	5.0e+07	3306	2	2	583289
3 Days to Kill	2014	6.2	1	3.07e+07	2.8e+07	2872	1	0	304861
300: Rise of an Empire	2014	6.3	1	1.06e+08	1.1e+08	3470	2	0	452917
A Haunted House 2	2014	4.7	8	1.73e+07	3.5e+06	2310	2	0	3145573
A Long Way Off	2014	4.6	3	2.90e+04	5.0e+05	NA	1	0	91137

In [4]:
```
data %>%  summarise(mean_ratings = mean(Ratings, na.rm = TRUE),median_ratings =
```

mean_ratings	median_ratings
6.441558	6.5

In [6]:
```
high_rated_movies <- data %>%  filter(Ratings > 8)
head(high_rated_movies)
```

Movie	Year	Ratings	Genre	Gross	Budget	Screens	Sequel	Sentiment	Viev
Gone Girl	2014	8.2	3	1.68e+08	6.10e+07	3014	1	-11	3960
Guardians of the Galaxy	2014	8.1	1	3.33e+08	1.70e+08	4080	1	0	13135
Interstellar	2014	8.7	2	1.88e+08	1.65e+08	3561	1	2	54217
The Imitation Game	2014	8.1	9	9.11e+07	1.40e+07	747	1	9	30478
Whiplash	2014	8.6	3	1.31e+07	3.30e+06	42	1	2	77502
Wild Tales	2014	8.2	8	3.08e+06	3.30e+06	4	1	7	6971

In [7]:
```
data %>% summarise(
    mean_ratings = mean(Ratings, na.rm = TRUE),
    median_ratings = median(Ratings, na.rm = TRUE),
    mean_gross = mean(Gross, na.rm = TRUE),
    median_gross = median(Gross, na.rm = TRUE),
    mean_budget = mean(Budget, na.rm = TRUE),
    median_budget = median(Budget, na.rm = TRUE),
    mean_views = mean(Views, na.rm = TRUE),
    median_views = median(Views, na.rm = TRUE)
  )
```

mean_ratings	median_ratings	mean_gross	median_gross	mean_budget	median_budget
6.441558	6.5	68066033	37400000	47921730	2.8e+07

In [ ]:
```
```

In [10]:
```
high_rated_high_gross_movies <- data %>%
  filter(Ratings > 8, Gross > 1000000)
head(high_rated_high_gross_movies)
```

Movie	Year	Ratings	Genre	Gross	Budget	Screens	Sequel	Sentiment	Viev
Gone Girl	2014	8.2	3	1.68e+08	6.10e+07	3014	1	-11	3960
Guardians of the Galaxy	2014	8.1	1	3.33e+08	1.70e+08	4080	1	0	13135
Interstellar	2014	8.7	2	1.88e+08	1.65e+08	3561	1	2	54217
The Imitation Game	2014	8.1	9	9.11e+07	1.40e+07	747	1	9	30478
Whiplash	2014	8.6	3	1.31e+07	3.30e+06	42	1	2	77502
Wild Tales	2014	8.2	8	3.08e+06	3.30e+06	4	1	7	6971

In [25]:
```
genre_summary <- data %>%
  group_by(Genre) %>%
  summarise(
    avg_gross = mean(Gross, na.rm = TRUE),
    avg_budget = mean(Budget, na.rm = TRUE)
  )
genre_summary
```

Genre	avg_gross	avg_budget
1	114495349	83558462
2	124040833	85875000
3	31475425	22875715
4	1210000	50000000
6	25326667	31000000
7	3355	3650000
8	43530902	25518302
9	45156692	21384615
10	23694500	21879167
12	134761538	104000000
15	29356000	11259500

In [14]:
```
data %>%
  summarise(
    mean_ratings = mean(Ratings, na.rm = TRUE),
    median_ratings = median(Ratings, na.rm = TRUE),
    mean_gross = mean(Gross, na.rm = TRUE),
    median_gross = median(Gross, na.rm = TRUE),
    mean_budget = mean(Budget, na.rm = TRUE),
    median_budget = median(Budget, na.rm = TRUE),
    mean_views = mean(Views, na.rm = TRUE),
    median_views = median(Views, na.rm = TRUE)
  )
```

mean_ratings	median_ratings	mean_gross	median_gross	mean_budget	median_budget
6.441558	6.5	68066033	37400000	47921730	2.8e+07

In [ ]:

In [ ]:

In [19]:
```
genre_summary <- data %>%
  group_by(Genre) %>%
  summarise(
    avg_gross = mean(Gross, na.rm = TRUE),
    avg_budget = mean(Budget, na.rm = TRUE),
    avg_views = mean(Views, na.rm = TRUE),
    avg_likes = mean(Likes, na.rm = TRUE)
  )
genre_summary
```

Genre	avg_gross	avg_budget	avg_views	avg_likes
1	114495349	83558462	4122179	12877.677
2	124040833	85875000	2780551	8451.083
3	31475425	22875715	3934389	16921.935
4	1210000	50000000	3701061	9325.000
6	25326667	31000000	3728712	11797.333
7	3355	3650000	180446	212.000
8	43530902	25518302	3782849	14410.185
9	45156692	21384615	2773425	9113.385
10	23694500	21879167	2015821	4456.333
12	134761538	104000000	3539304	8288.692
15	29356000	11259500	4960123	12135.100

In [21]:
```
sequel_summary <- data %>%
  group_by(Sequel) %>%
  summarise(
    avg_ratings = mean(Ratings, na.rm = TRUE),
    avg_gross = mean(Gross, na.rm = TRUE),
    avg_budget = mean(Budget, na.rm = TRUE)
  )
sequel_summary
```

Sequel	avg_ratings	avg_gross	avg_budget
1	6.434043	51011296	38148117
2	6.360000	124412000	72492000
3	5.987500	97128750	66250000
4	7.133333	347000000	170000000
5	6.775000	91450000	99000000
6	7.500000	255000000	250000000
7	7.750000	292000000	195000000

In [ ]:
```
```

In [23]:
```
genre_summary <- data %>%
  group_by(Genre) %>%
  summarise(
    avg_gross = mean(Gross, na.rm = TRUE),
    avg_budget = mean(Budget, na.rm = TRUE),
    avg_views = mean(Views, na.rm = TRUE),
    avg_likes = mean(Likes, na.rm = TRUE)
  )
genre_summary
```

Genre	avg_gross	avg_budget	avg_views	avg_likes
1	114495349	83558462	4122179	12877.677
2	124040833	85875000	2780551	8451.083
3	31475425	22875715	3934389	16921.935
4	1210000	50000000	3701061	9325.000
6	25326667	31000000	3728712	11797.333
7	3355	3650000	180446	212.000
8	43530902	25518302	3782849	14410.185
9	45156692	21384615	2773425	9113.385
10	23694500	21879167	2015821	4456.333
12	134761538	104000000	3539304	8288.692
15	29356000	11259500	4960123	12135.100

In [24]:
```
sequel_summary <- data %>%
  group_by(Sequel) %>%
  summarise(
    avg_ratings = mean(Ratings, na.rm = TRUE),
    avg_gross = mean(Gross, na.rm = TRUE),
    avg_budget = mean(Budget, na.rm = TRUE)
  )
sequel_summary
```

Sequel	avg_ratings	avg_gross	avg_budget
1	6.434043	51011296	38148117
2	6.360000	124412000	72492000
3	5.987500	97128750	66250000
4	7.133333	347000000	170000000
5	6.775000	91450000	99000000
6	7.500000	255000000	250000000
7	7.750000	292000000	195000000

In [ ]:
```
```