

Disney Movies Analysis

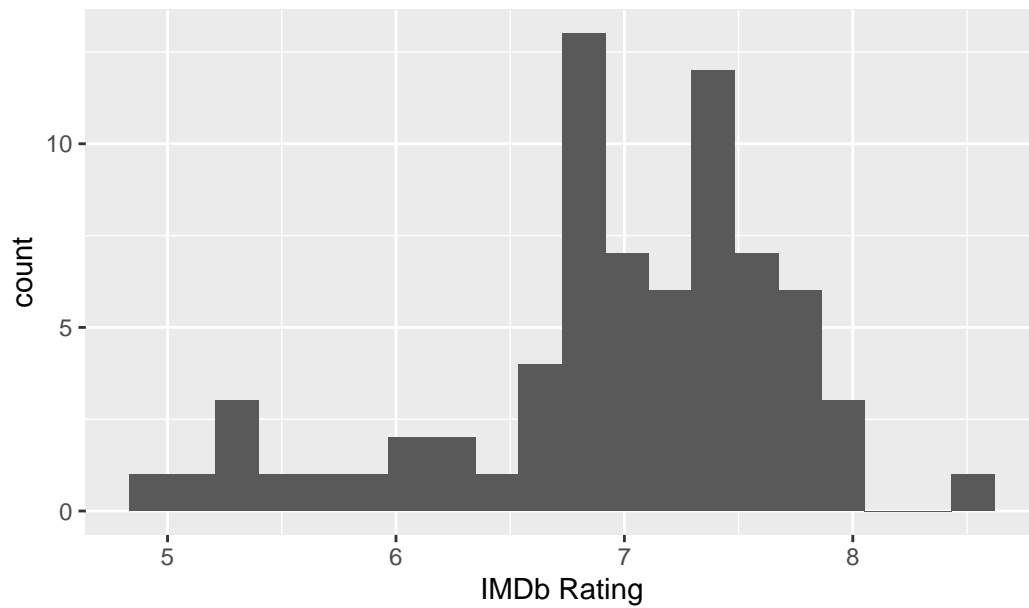
Meni

Basic Stats

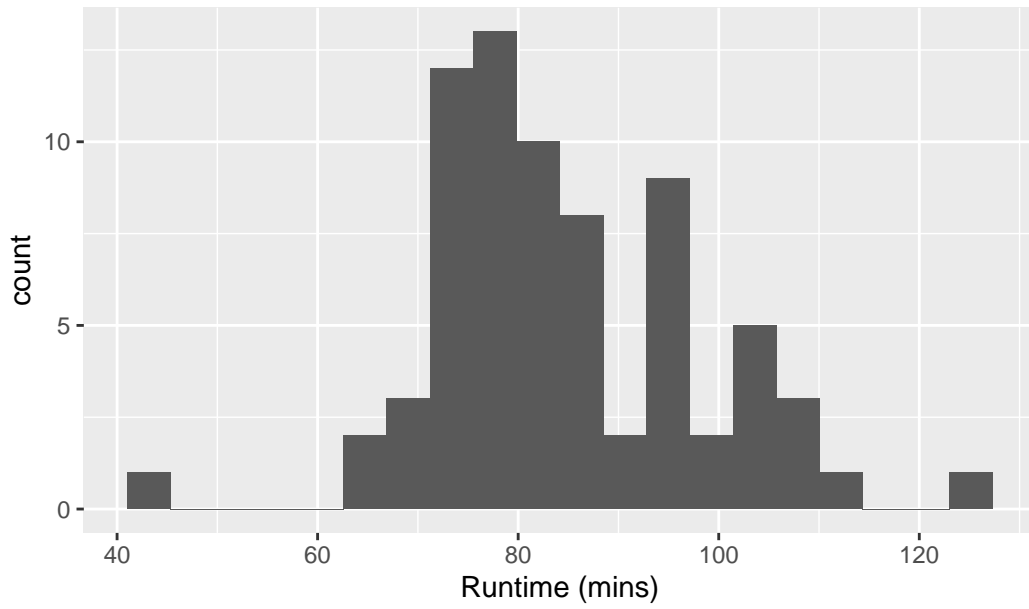
```
# A tibble: 1 x 6
  avg_rating sd_rating avg_runtime sd_runtime avg_votes sd_votes
  <dbl>      <dbl>      <dbl>      <dbl>      <dbl>      <dbl>
1    6.97    0.722    84.7      13.3   181294.  195639.
```

Plots

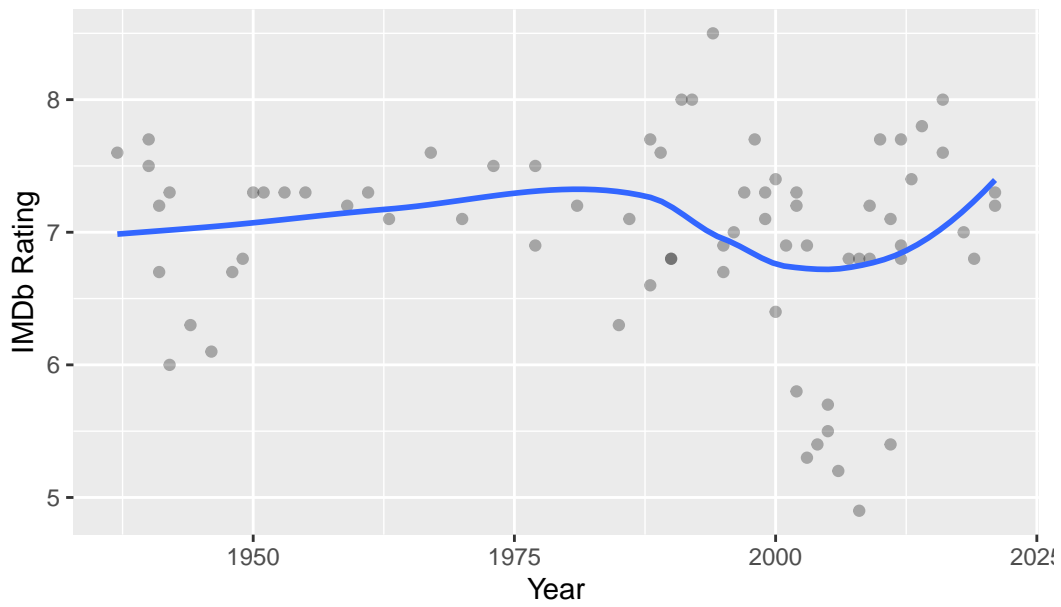
Distribution of IMDb Ratings



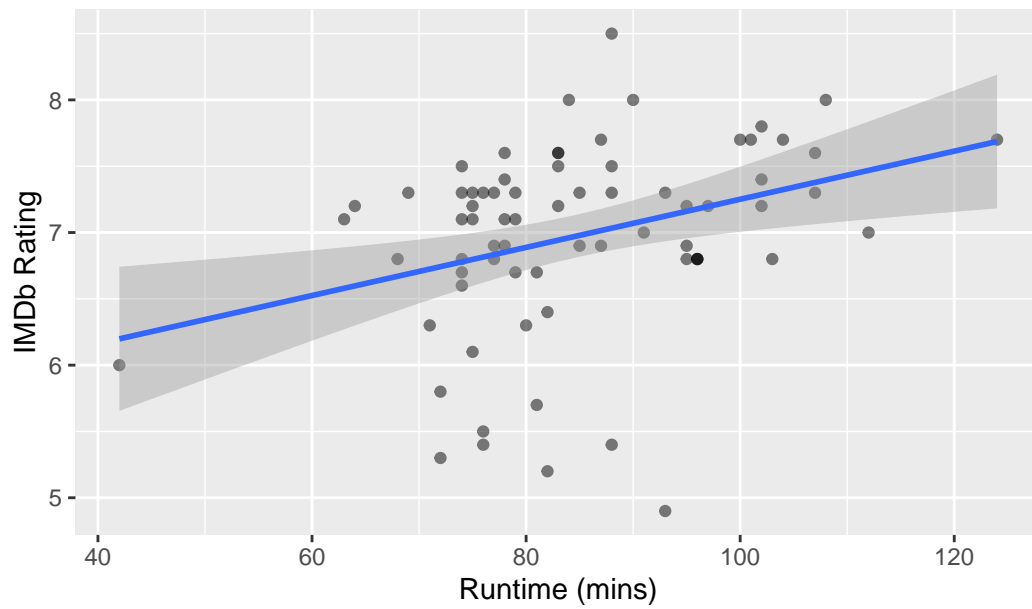
Distribution of IMDB Runtimes



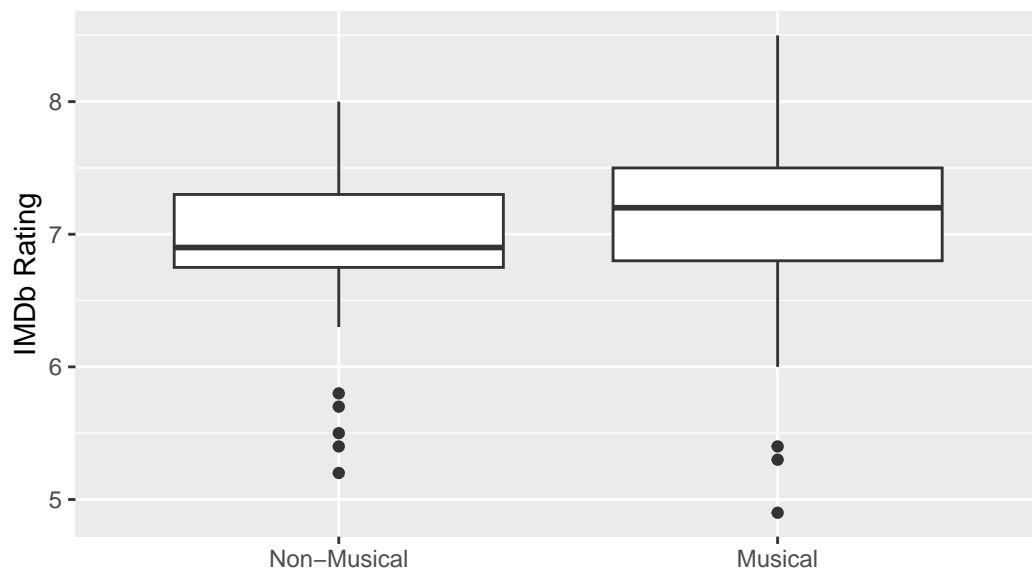
IMDb Rating Trends Over Time



Correlation: Runtime vs IMDb Rating



IMDb Ratings: Musicals vs Non-Musicals



More Advanced Stats

Pearson's product-moment correlation

```
data: movies$`IMDb Rating` and movies$`Runtime (mins)`
t = 2.9773, df = 70, p-value = 0.003992
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.1123165 0.5260704
sample estimates:
      cor
0.3352615
```

Welch Two Sample t-test

```
data: IMDb Rating by is_comedy
t = 0.69187, df = 47.664, p-value = 0.4924
alternative hypothesis: true difference in means between group FALSE and group TRUE is not equal to 0
95 percent confidence interval:
-0.2322774 0.4759332
sample estimates:
mean in group FALSE mean in group TRUE
      7.056522      6.934694
```

Welch Two Sample t-test

```
data: IMDb Rating by is_musical
t = -1.3596, df = 65.698, p-value = 0.1786
alternative hypothesis: true difference in means between group FALSE and group TRUE is not equal to 0
95 percent confidence interval:
-0.5708318 0.1083614
sample estimates:
mean in group FALSE mean in group TRUE
      6.841935      7.073171
```

```
# A tibble: 4 x 2
  genre_group     n
  <chr>         <int>
1 Action         7
2 Comedy        37
3 Drama         16
4 Other         12
```

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
genre_group	3	1.16	0.3868	0.734	0.535
Residuals	68	35.82	0.5268		