Predicting Movie Scores

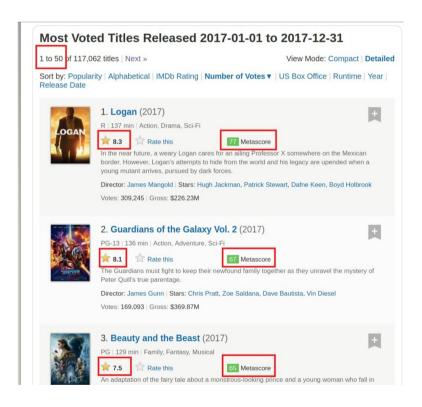




by Shi Yunfan

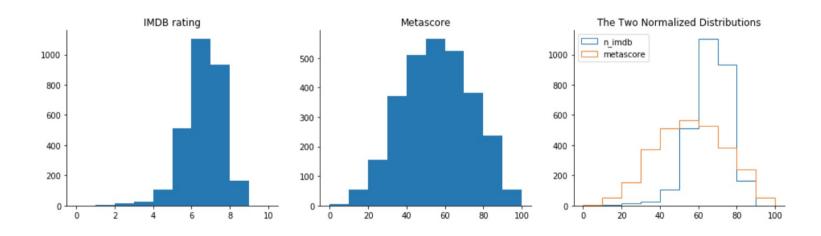
Web Scraping

- -movie names
- -year
- -# of reviews
- -type
- -scores
- -actors/actress



Initial Data Analysis

	imdb	metascore
min	1.6	7.0
max	9.0	100.0



Multiple Linear Regression

```
Level2R -7.461e+01 1.246e+00 -59.896 < 2e-16 ***
Score2 5.439e-01 8.578e-02 6.341 2.32e-10 ***
Votes 8.952e-04 5.006e-06 178.804 < 2e-16 ***
---
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
```

Residual standard error: 93.61 on 28057 degrees of freedom Multiple R-squared: 0.7327, Adjusted R-squared: 0.7318 F-statistic: 801 on 96 and 28057 DF, p-value: < 2.2e-16

movie market gross prediction using multiple linear regression

