

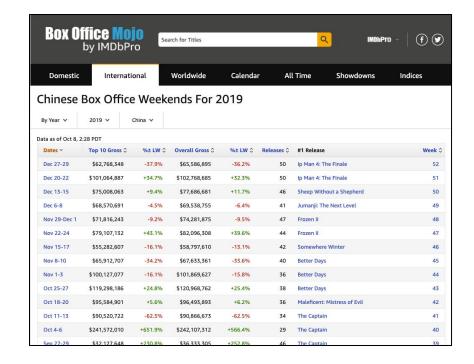




Collect Chinese Box Office Data from Box Office Mojo using Beautiful Soup

Pair with Kaggle IMDB dataset

→ 1177 titles



What Makes a Film Successful in China?

- Genre?
- Chinese production?
- International production?
- Domestic (Chinese) only release?
- US box office success?
- Film runtime?
- Time of year released?



Used in Model

- USA gross revenue
- Released only in China
- Chinese production
- Runtime
- Release Period
- Release Month
- Genres:
 - Action
 - Adventure
 - Animation
 - Biography
 - Comedy
 - o Crime
 - Documentary

- o Drama
- Fantasy
- Mystery
- o Romance
- Thriller
- War

Low or No Importance (not used)

• Genres:

- Family
- History
- Horror
- Musical/Music
- o Sci-Fi
- Sport
- Western



Used in Model

- USA gross revenue
- Released only in China
- Chinese production
- Runtime
- Release Period
- Release Month
- Genres:
 - Action
 - Adventure
 - Animation
 - Biography
 - Comedy
 - o Crime
 - Documentary

- o Drama
- o Fantasy
- Mystery
- \circ Romance
- Thriller
- War

Target

Chinese gross revenue

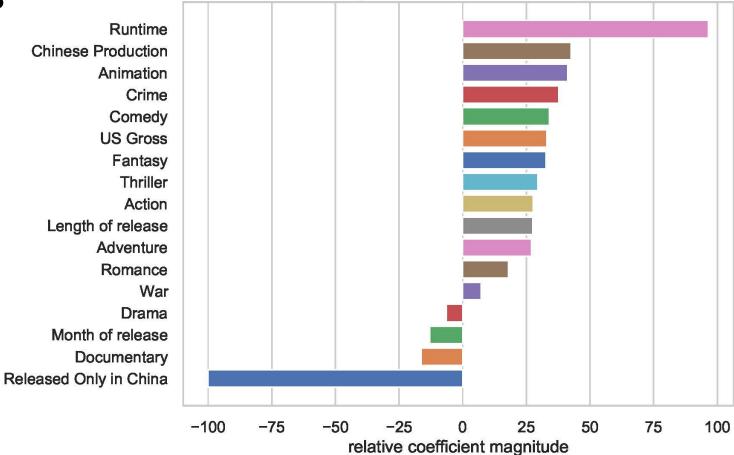
Low or No Importance (not used)

- Genres:
 - Family
 - History
 - Horror
 - Musical/Music
 - o Sci-Fi
 - Sport
 - Western



Results











- Paradox:
 - Release only in China is strongest (negative) feature
 - Chinese production is strong positive feature
- Best performing genres:
 - Animation, Crime, Comedy

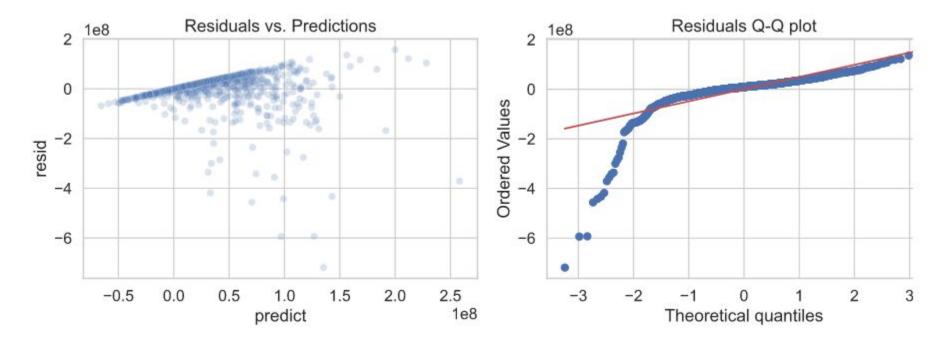
Conclusions

- Paradox:
 - Release only in China is strongest (negative) feature
 - Chinese production is strong positive feature
- Best performing genres:
 - Animation, Crime, Comedy
- Worst performing genres:
 - Documentary, Drama





Appendix - Residuals: original target



Appendix - Residuals: log transformed target

