

Why consider the success of films in the Chinese market?

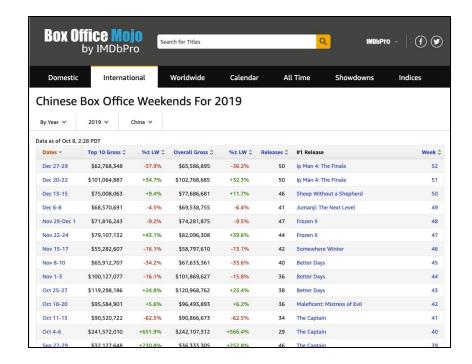
- In the past 20 years the Chinese box office grew from \$1 billion USD in annual sales to over \$9 billion USD.
- In Feb 2019 China's National Film Bureau called for China to become a "strong film power" on par with US by 2035.
 - Aim to produce 100 movies annually earning \$15M+
 - Yet in 2019, only 46 Chinese films earned more than \$15M



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

Pair with Kaggle IMDB dataset

→ 1086 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

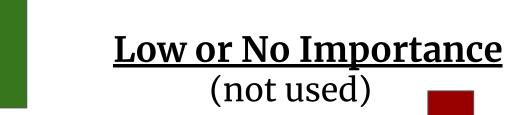
- USA gross revenue
- Released only in China
- Chinese production
- Runtime
- Release Period
- Genres:
 - Action
 - Adventure
 - Animation

Drama

Fantasy

Thriller

- Comedy
- Crime
- Documentary



- Genres:
 - Biography
 - Family
 - History
 - Horror
 - Musical/Music
 - Mystery
 - Sci-Fi
 - Sport

- Western
- Romance
- War



Used in Model

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Drama

Fantasy

Thriller

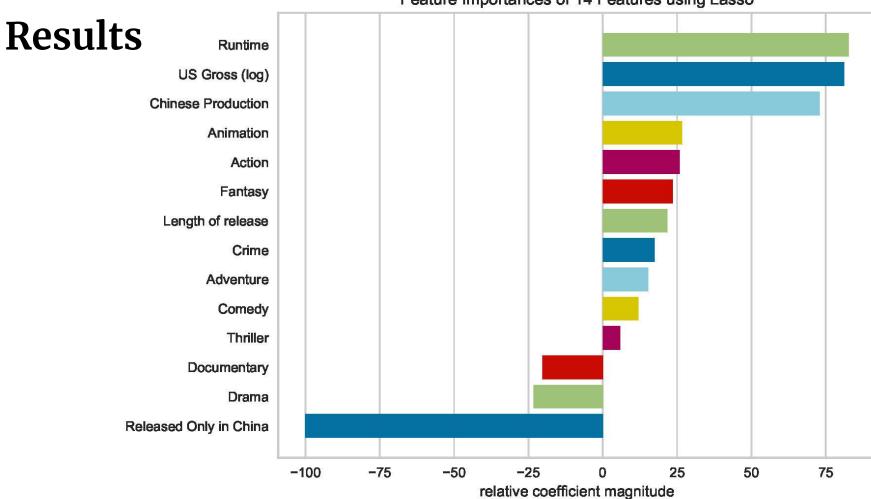
Target

Chinese gross revenue

Low or No Importance (not used)

- Release Month
- Genres:
 - Biography
 - Family
 - History
 - o Horror
 - Musical/Music
 - o Mystery o Wes
 - o Sci-Fi o Romanc
 - Sport o Wa











- Paradox:
 - Release only in China is strongest (negative) feature
 - Chinese production third strongest (positive) feature
- Best performing genres:
 - Animation, Fantasy, Action

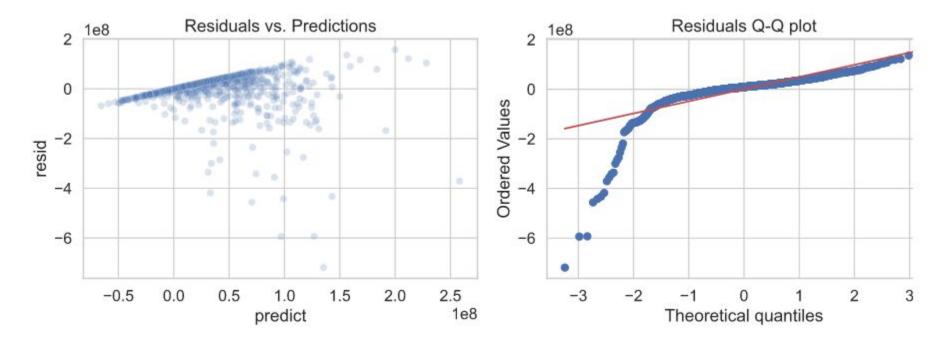
Conclusions

- Paradox:
 - Release only in China is strongest (negative) feature
 - Chinese production third strongest (positive) feature
- Best performing genres:
 - Animation, Fantasy, Action
- Worst performing genres:
 - o Documentary, Drama





Appendix - Residuals: original target



Appendix - Residuals: log transformed target

