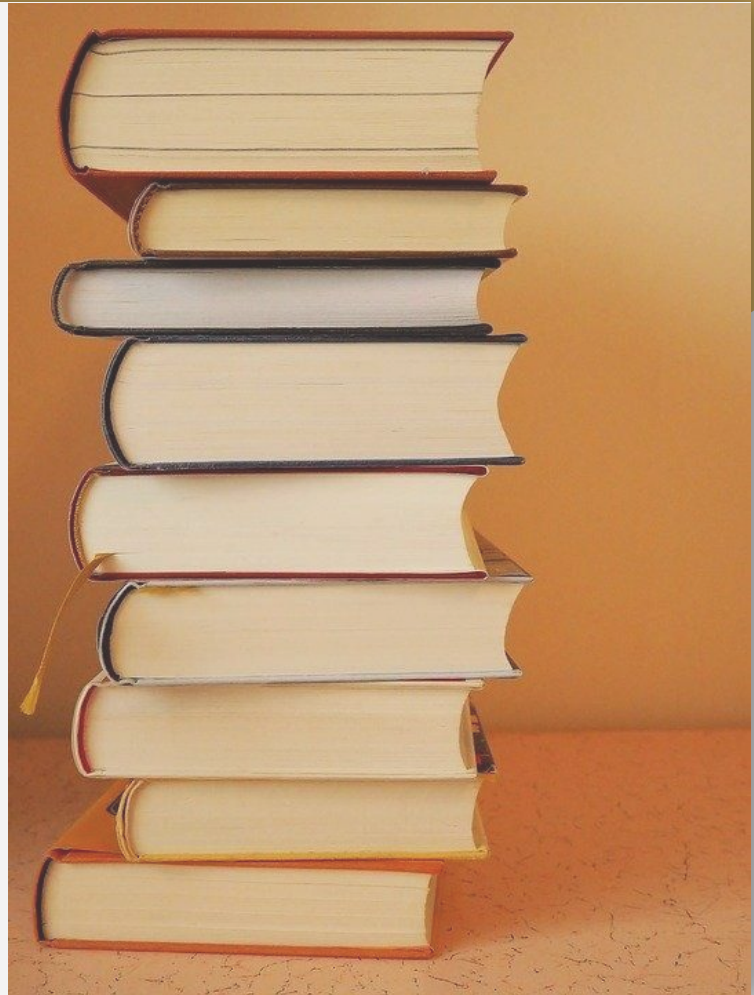# Predicting Movie Success From Novel Success

Intro

- Movie and book titles from Mid-Continent Library: Based on the Book Blog
- Book info from goodreads
- Movie info from imdb
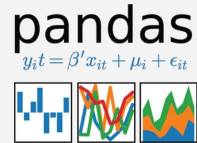- How can I predict the success of a movie?

Methodology

- Steps:

Obtained and cleaned data → **Set up model with features** → **Evaluated the model**

- Algorithm: Regression
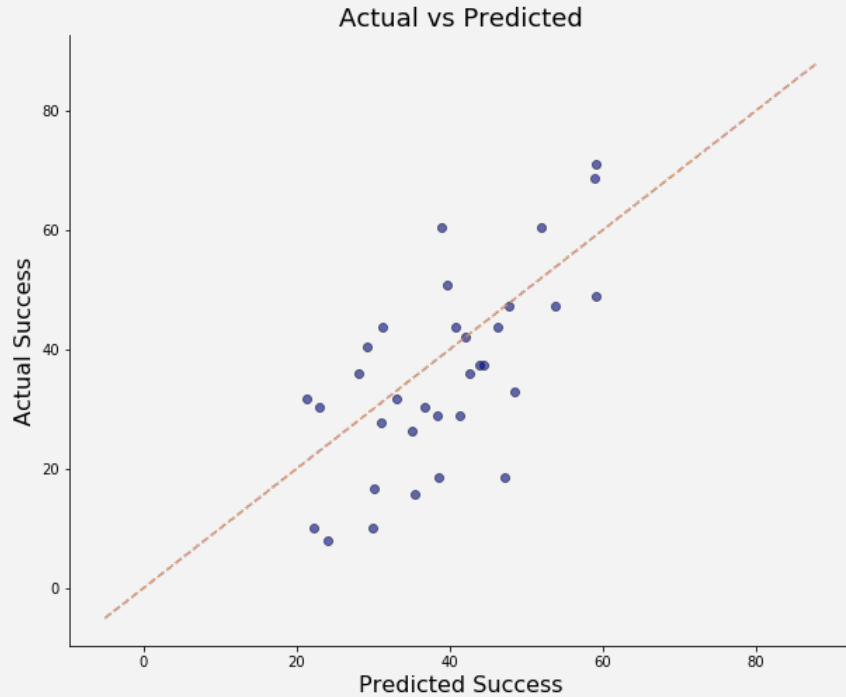
- Tools:

Features

Movies:

- Rating score value
- Count of ratings
- Duration of the film
- Year released

Books:

- Rating score value
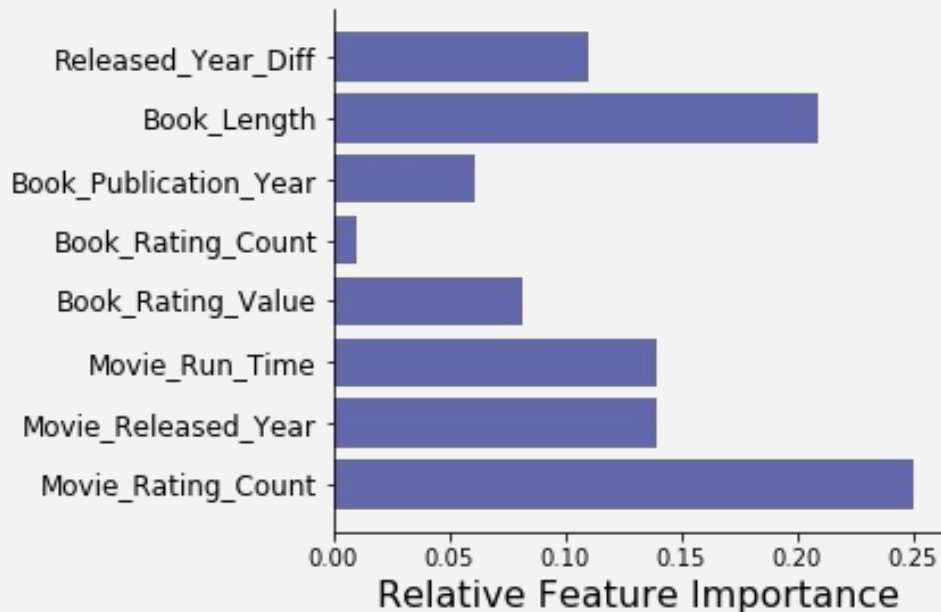- Count of ratings
- Length of book
- Year published

Results

Actual vs Predicted

- Based on rating value of a movie

- Error: 10.3 points

Results

- Book length had a surprising impact

Future work

- Genres
- Age range
- Locations
- If book series vs not
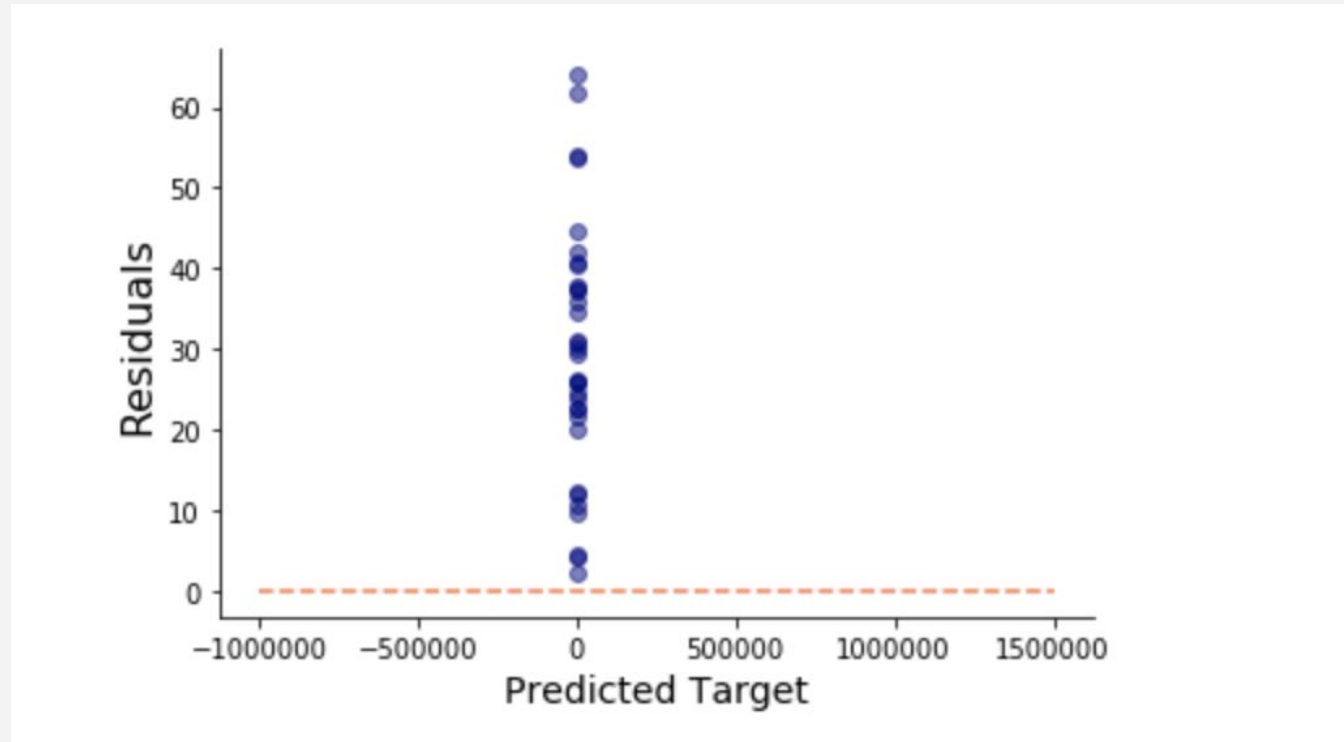- If movie series if not
- Book or movie awards

Questions?

Appendix

Sources:

https://apps.mymcpl.org/botb/movie/browse

https://www.imdb.com/

https://www.goodreads.com/

Base case

Target Distribution Before and After Box Cox