

Overview

Methods

Results

Conclusions

Future Work

Appendix



LIGHTS, CAMERA, PROFIT!



Lily Goldwasser



| AGENDA

01

OVERVIEW

02

METHODS

03

RESULTS

04

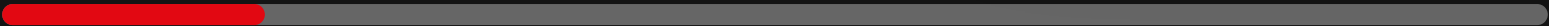
CONCLUSIONS





| OBJECTIVE

Build a Regression model that can predict Domestic Gross of movies.



Overview

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CLIENT

Producer at Movie
Studio

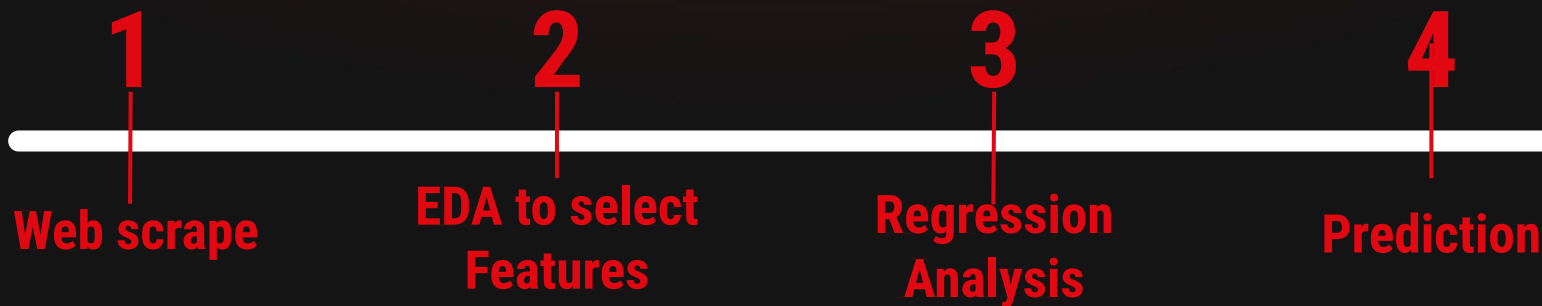
KEY FEATURES

Distributor, Domestic
Opening, Budget, MPAA
Rating, World Gross, Foreign
Gross, Release Month,
Release Year, Genre, Running
Time

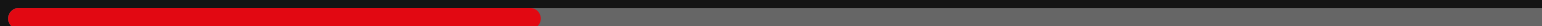




I PROCESS OVERVIEW



Box Office Mojo
by IMDbPro



Overview

Methods

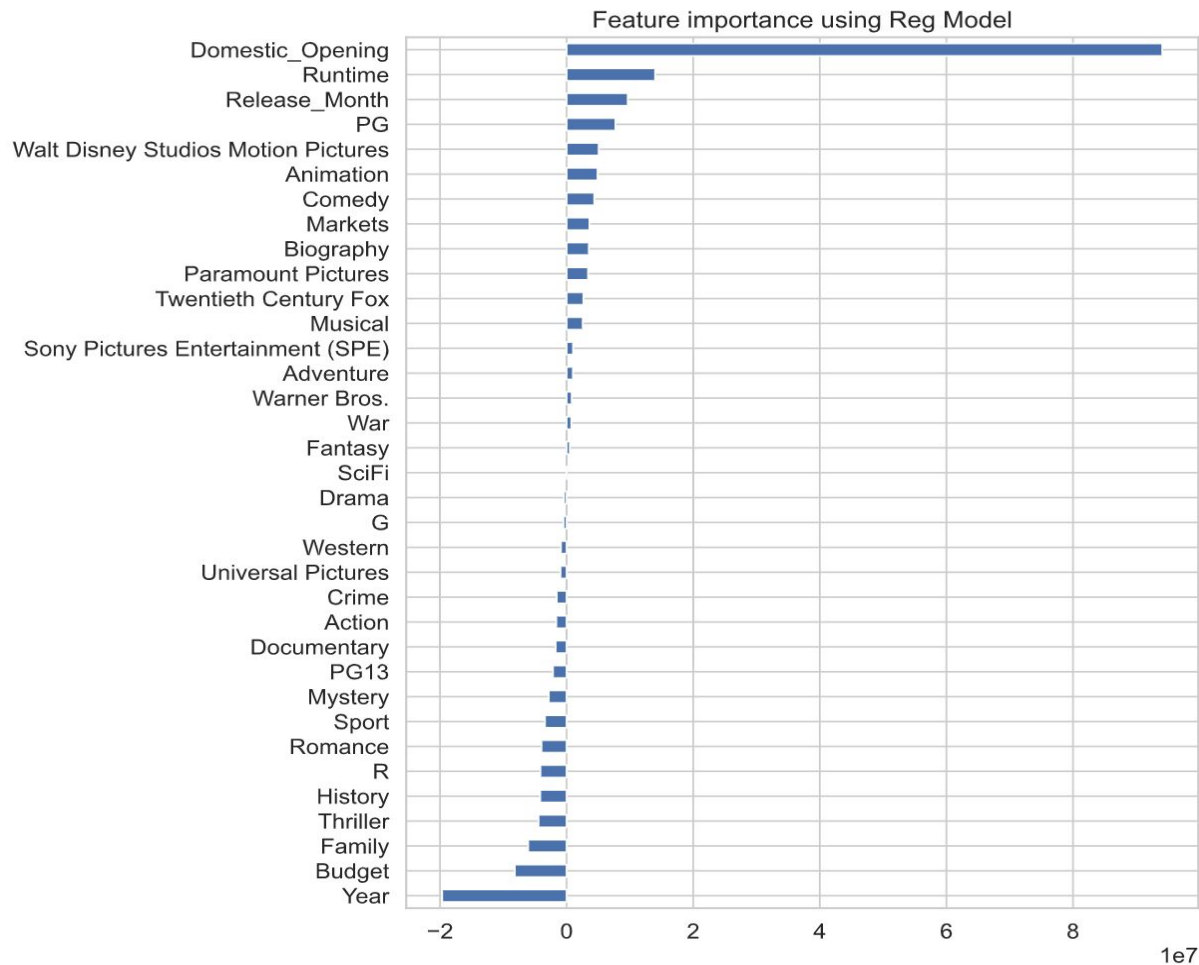
Results

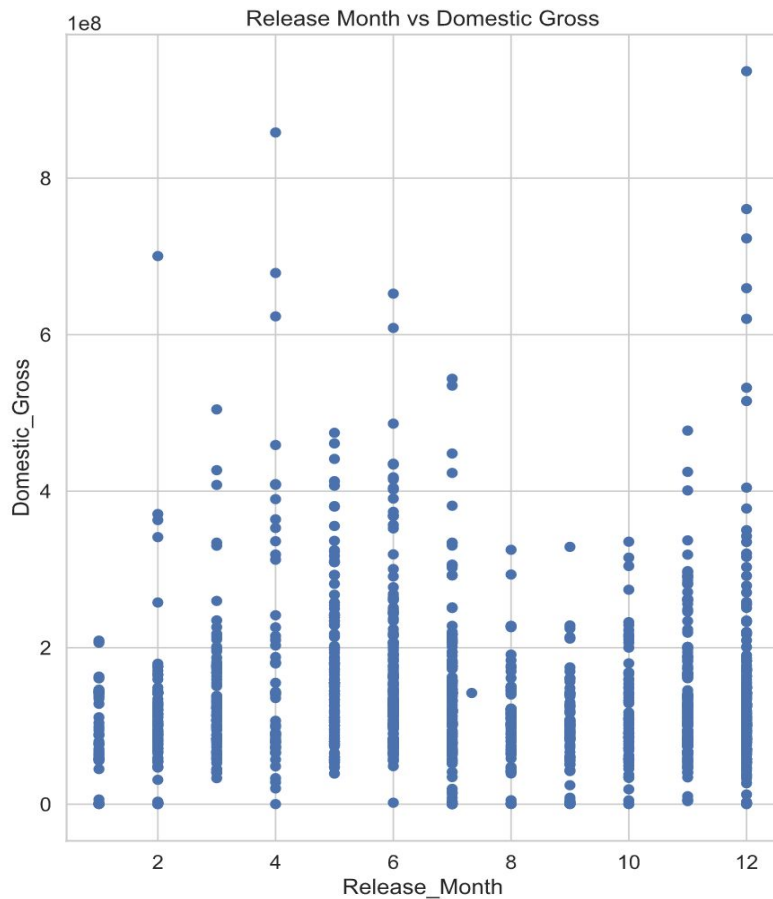
Conclusions

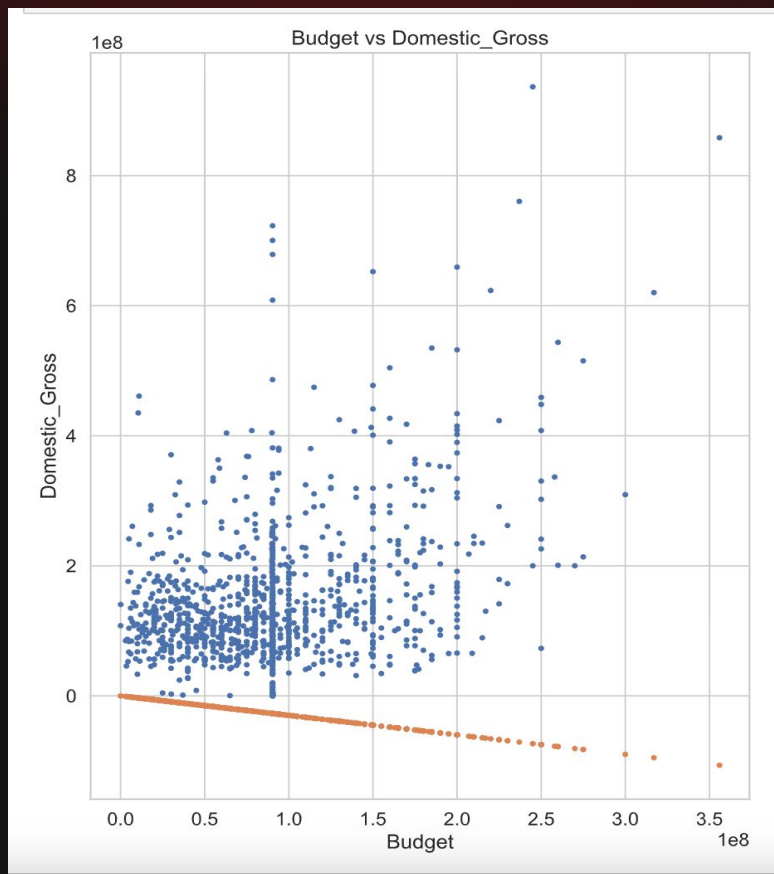


WHICH FEATURE MATTERS THE MOST?



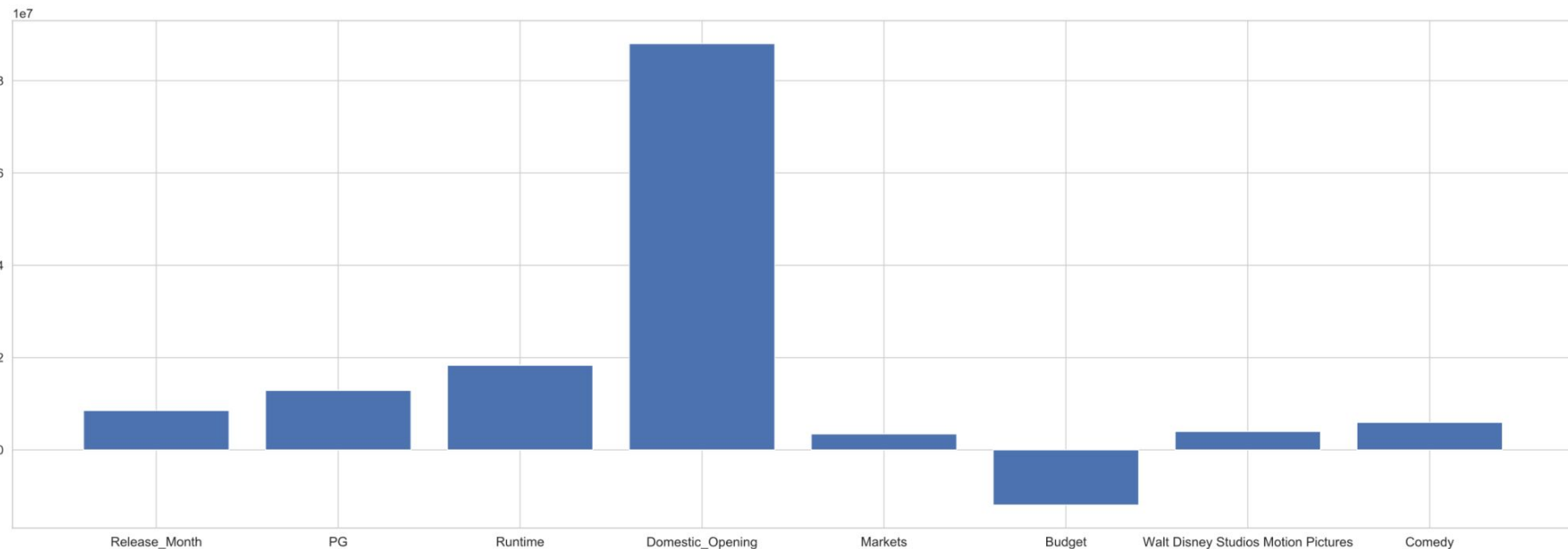








| Feature Plot: Ridge Regression





| Lasso performs best across LR features

Train/Test/Val	R^2
Linear Regression	0.711989934
Ridge Regression	0.71196667
Lasso Regularization	0.711989937

Cross Val/Test	R^2
Linear Regression	0.7048258991
Ridge Regression	0.70479173
Lasso Regularization	0.7048258995





| CONCLUSIONS

- Use Domestic Opening Gross as an indicator for whether to ramp up or scale down on marketing costs
- Future work: TV series, Actors, Awards



[Overview](#)

[Methods](#)

[Results](#)

[Conclusions](#)



THANKS!

Home

About me

What I do

My experience

My work



Appendix

https://www.boxofficemojo.com/chart/top_lifetime_gross/?area=XWW

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