

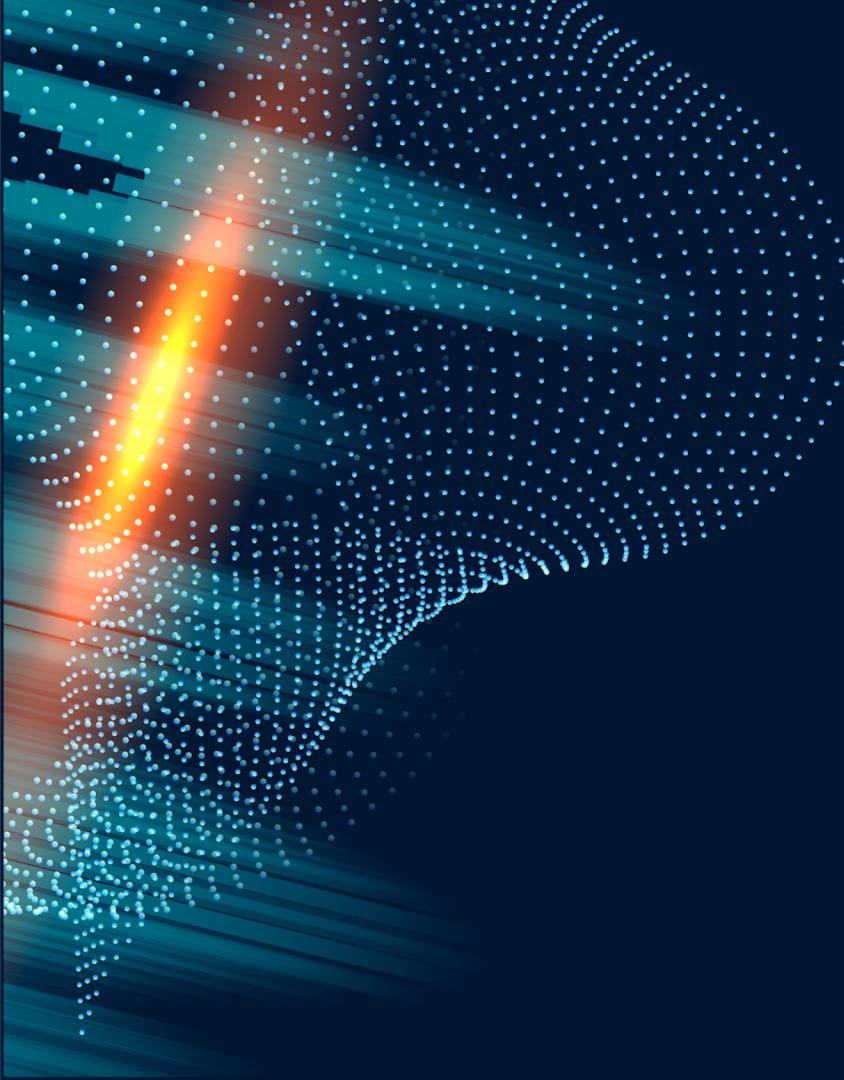
Box Office Gross Prediction

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Metis 07.09.2021

AGENDA

1. INTRO
2. APPROACH
3. RESULTS
4. FUTURE WORK
5. APPENDIX



1. INTRO

Data Source: Box Office Mojo

Web Scraping

Beautiful Soup
+1,000 movies
10 Features
2015-2019

Modeling

Regression
LASSO
RIDGE
FE



2. APPROACH

Top Movies

#1

\$ 1,873,324,450

**Star Wars: Episode
VII - The Force
Awakens**

#2

\$ 1,240,362,764

**Star Wars: Episode
VIII - The Last Jedi**

#3

\$ 1,064,354,648

**Rogue One: A Star
Wars Story**

Features

Genres

Running Time

Title

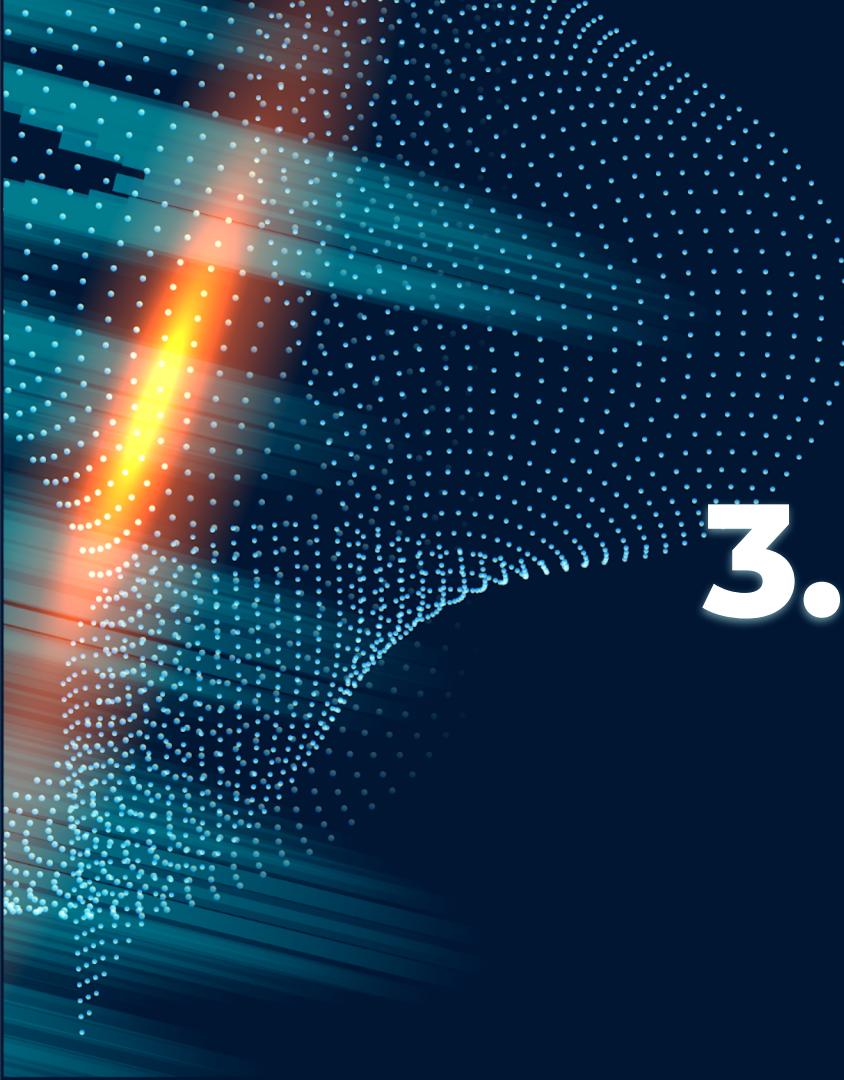
Distributor

Widest Release

Budget

Release Season

Rating



3. RESULTS

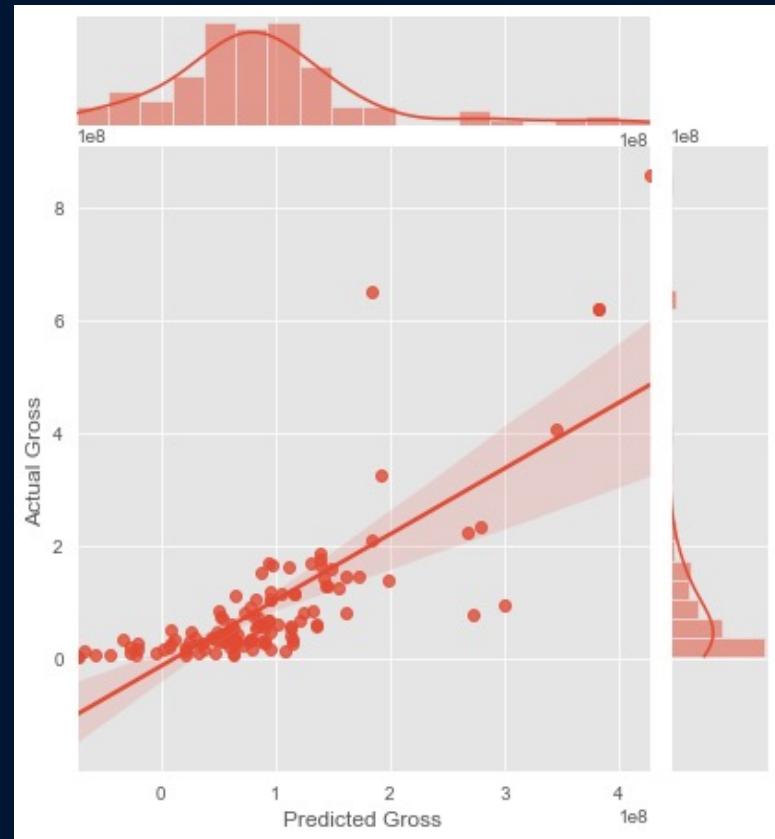
**Outcome:
Predict total
domestic
gross**



LASSO CV

0.579

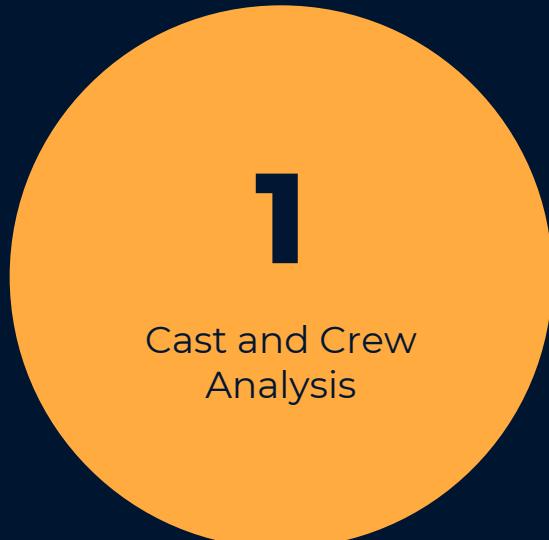
R²





4. FUTURE WORK

FUTURE WORK

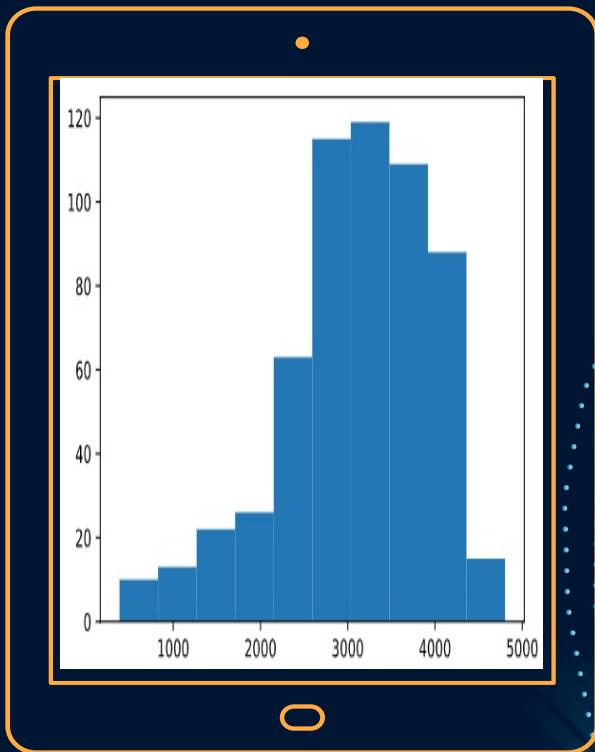


The background features a dark blue gradient with a subtle dotted texture. A prominent, glowing orange-yellow streak originates from the bottom left, curving upwards and to the right, creating a sense of motion. The overall aesthetic is modern and dynamic.

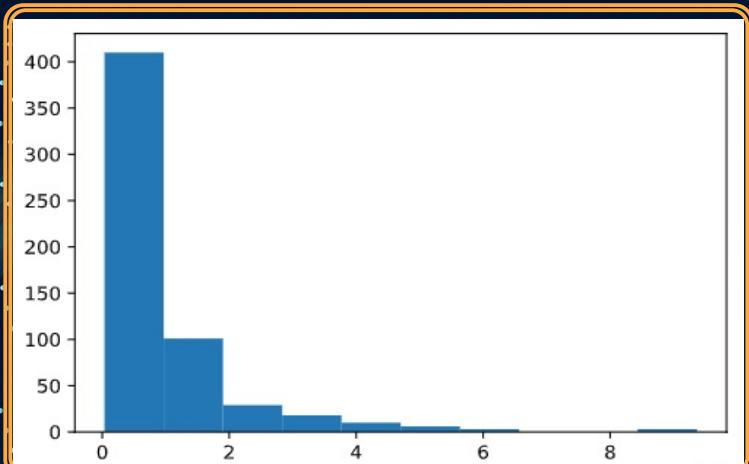
5. APPENDIX

WIDEST RELEASE

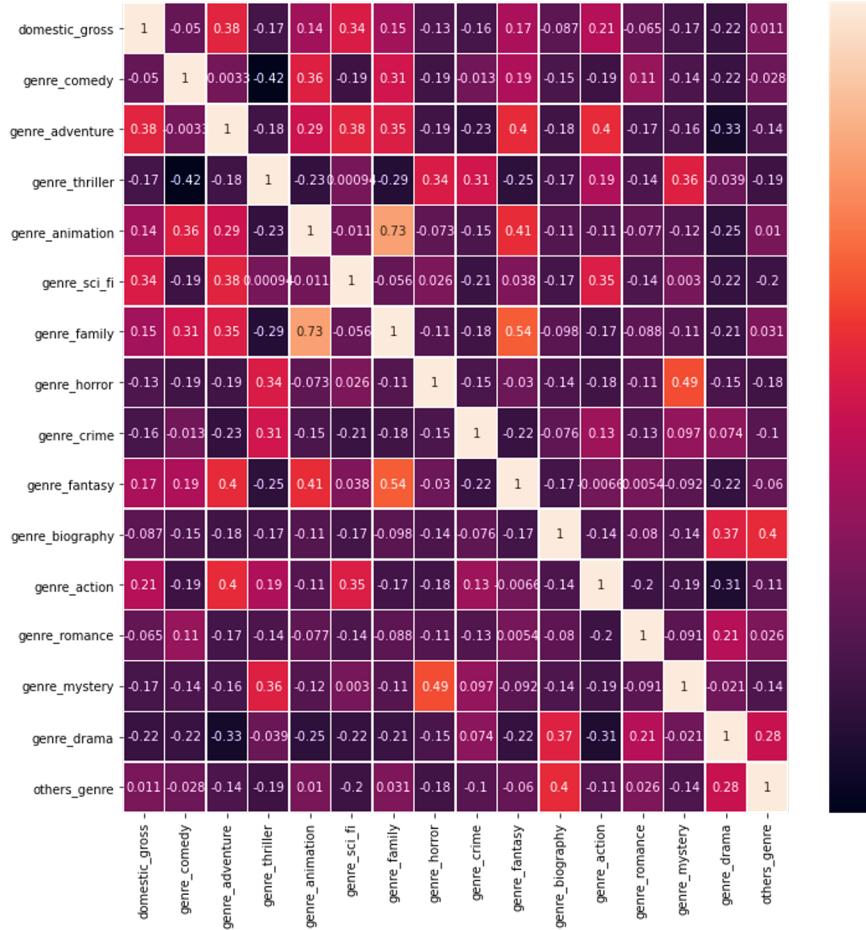
Number of movie theaters where the movie was released



DOMESTIC GROSS

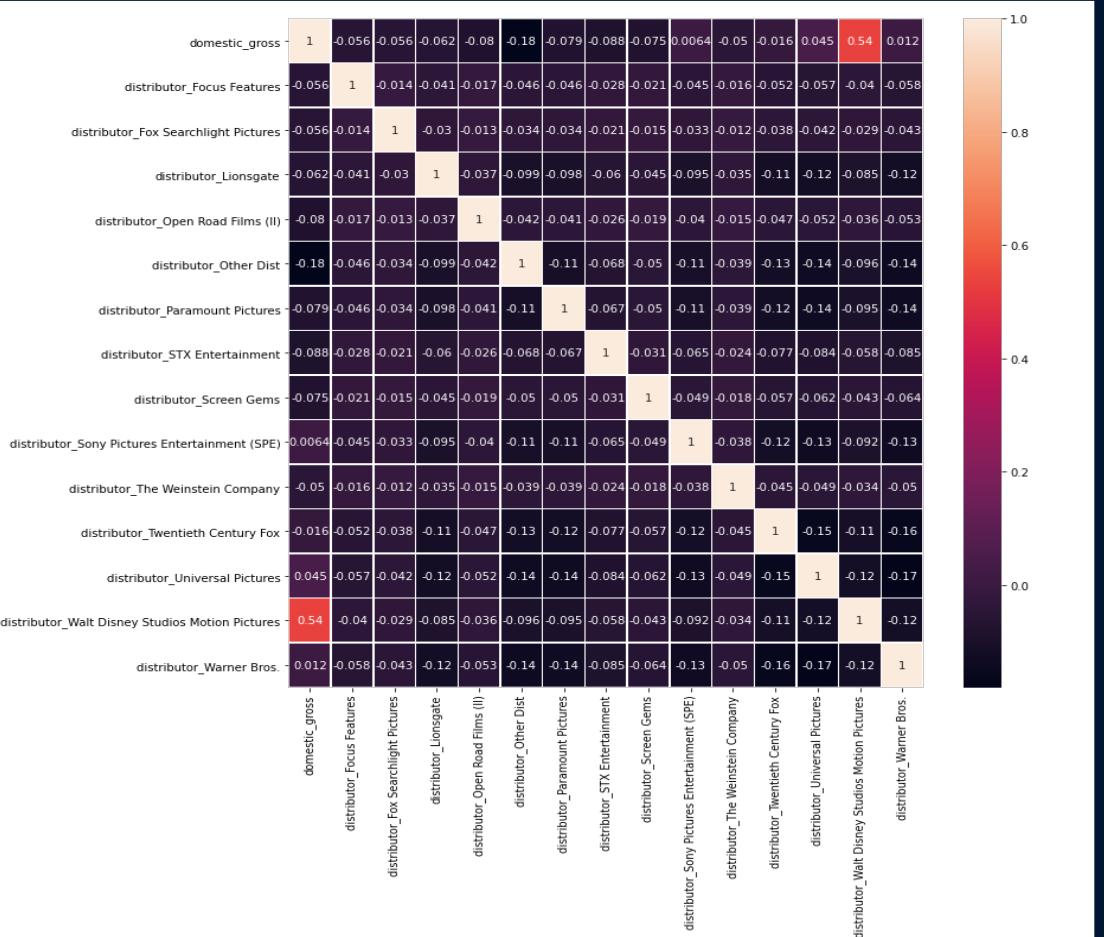


Target



Genres

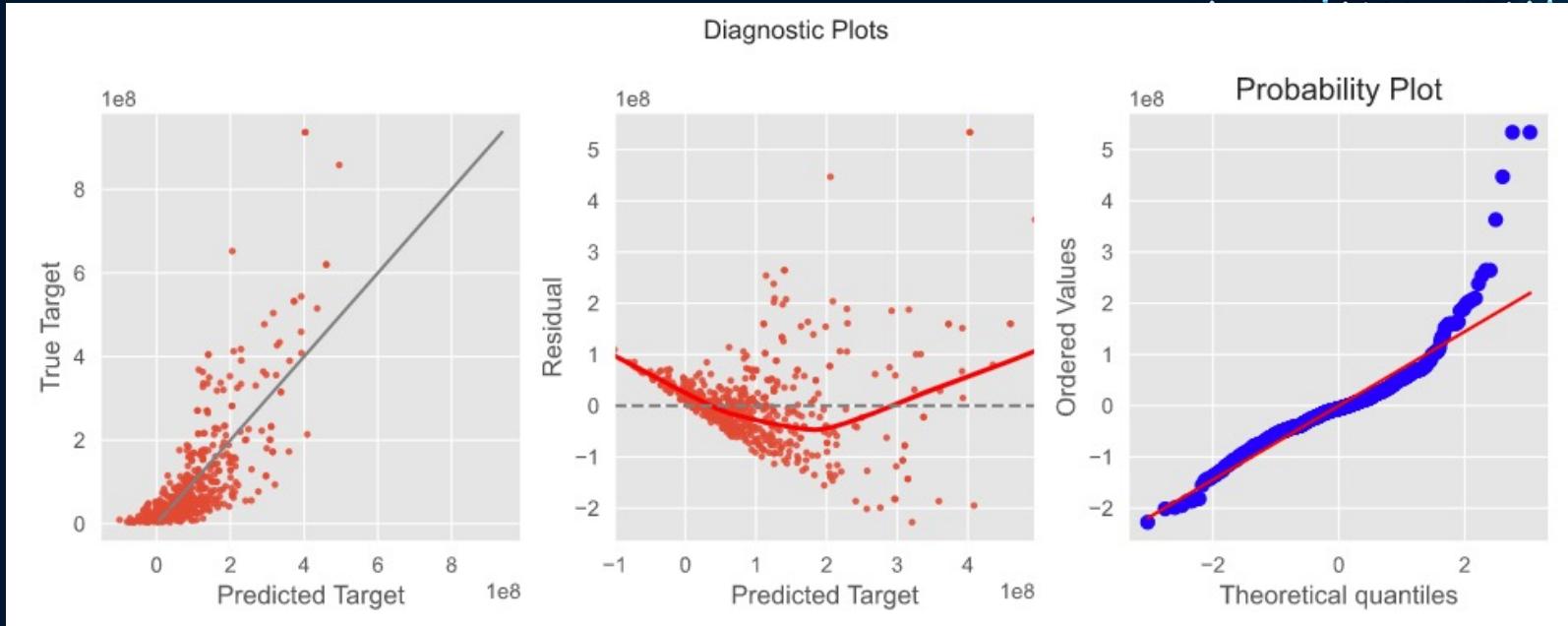
Correlation among genres and the target



Distributors

Correlation among Distributors and the target

DIAGNOSTIC PLOTS



THANKS!

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