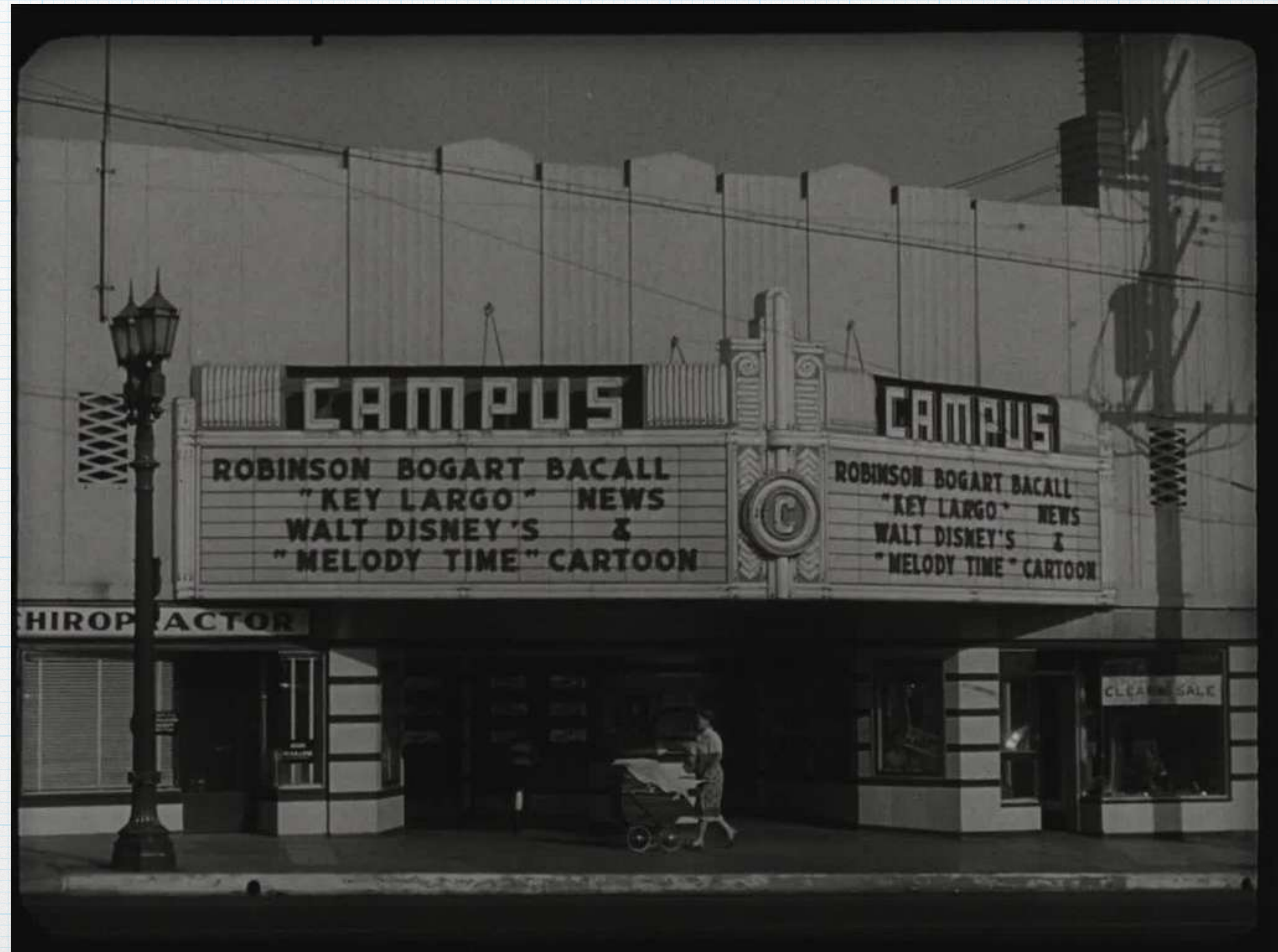# High Investment Related To Blockbusters

By Edward Kerr

Introduction

* Movies that have big budgets have been blockbuster movies.
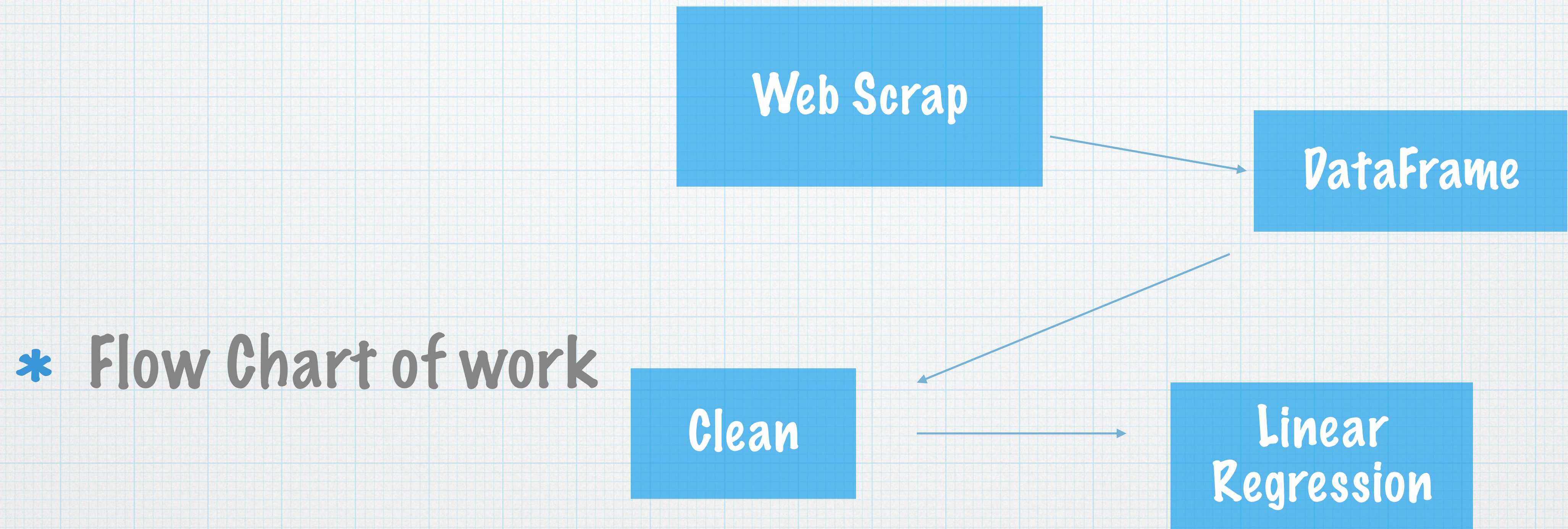
* The goal is to see how accurate the assumption is.

Methodology

* Data was acquired from BoxOfficeMojo

* Pandas, Numpy, SciKitLean, Statsmodel, BeautifulSoup, Selenium, Seaborn, LinearRegression

Methodology

Web Scrap

DataFrame

* Flow Chart of work

Clean

Linear Regression
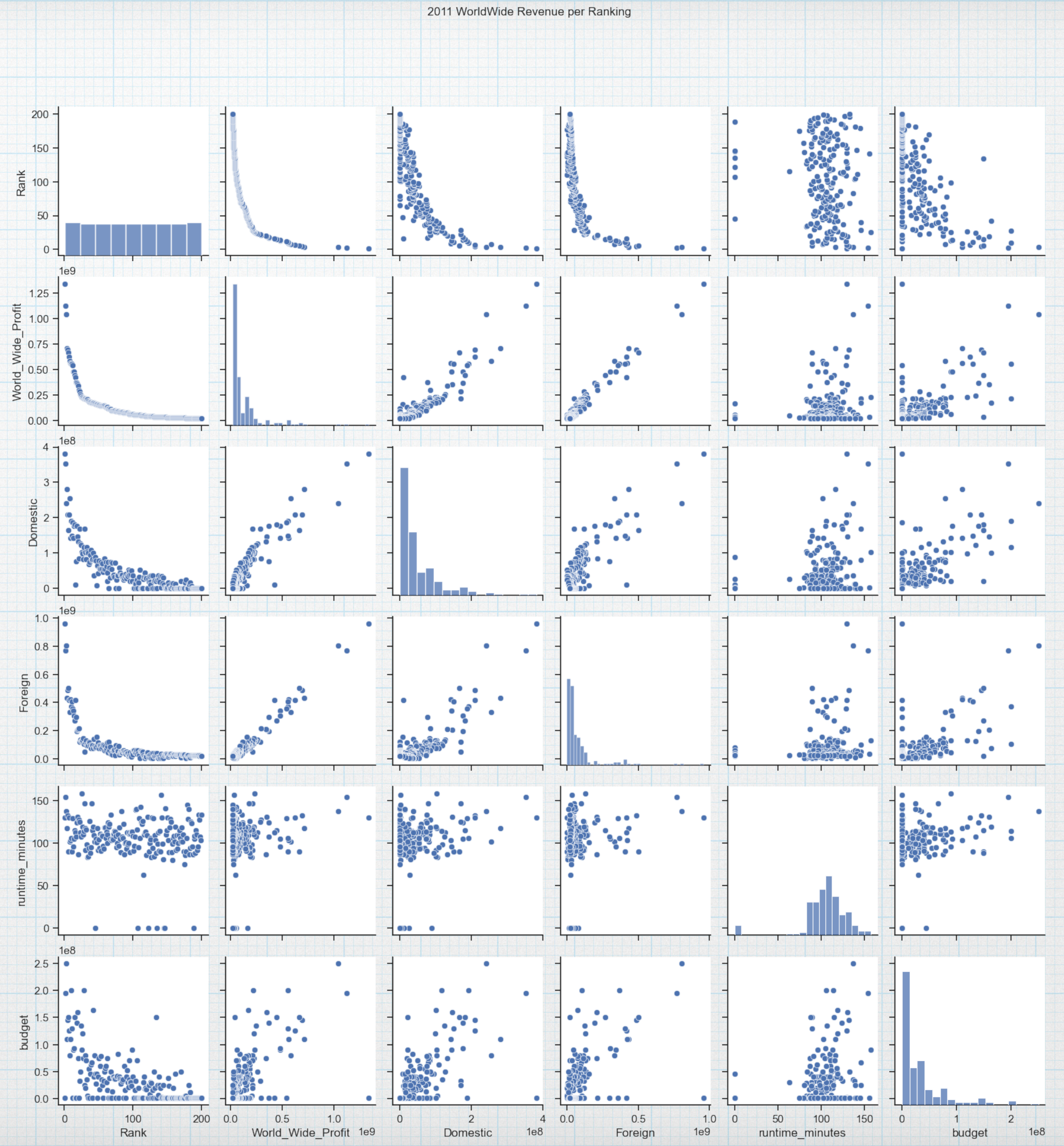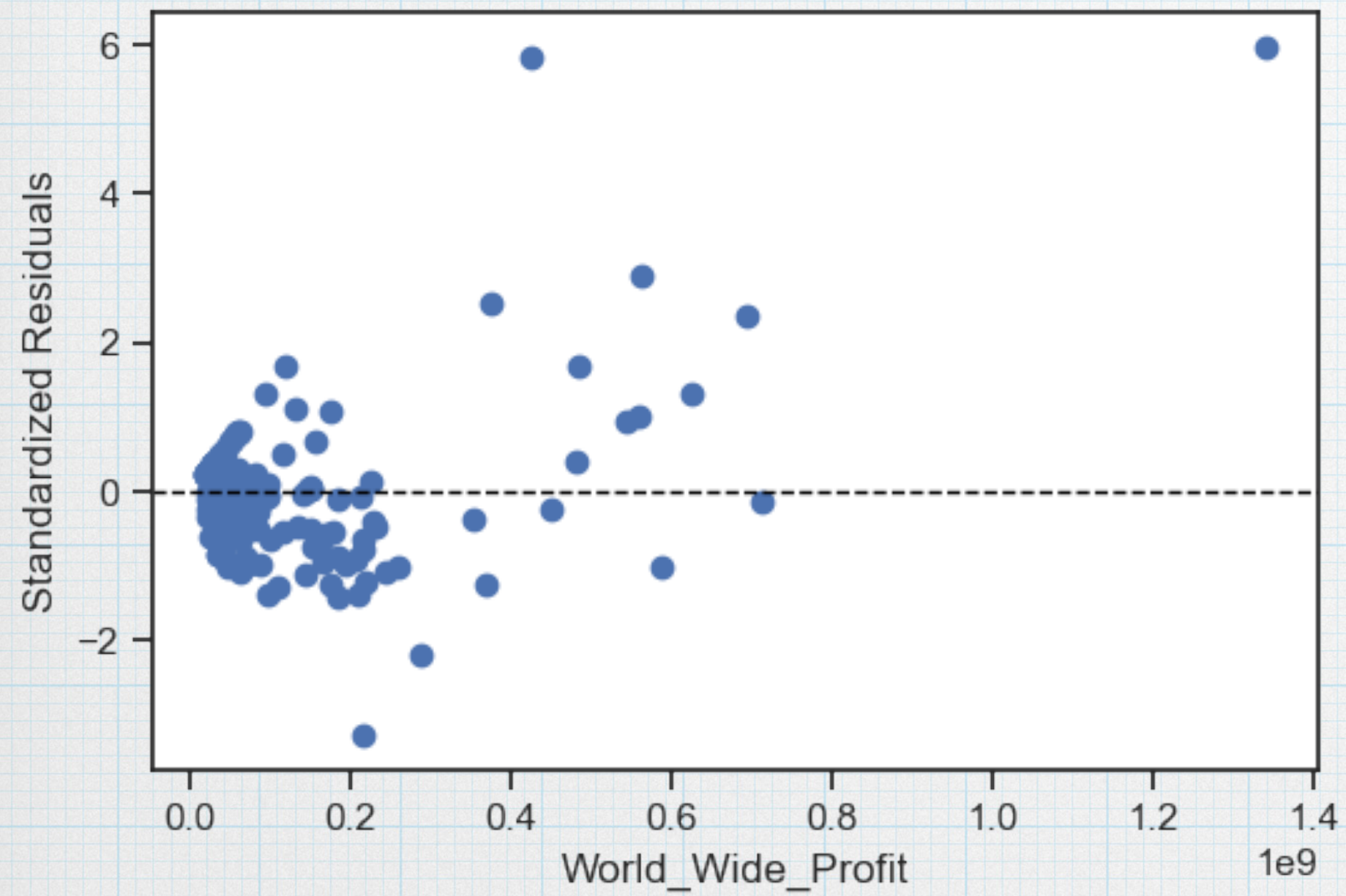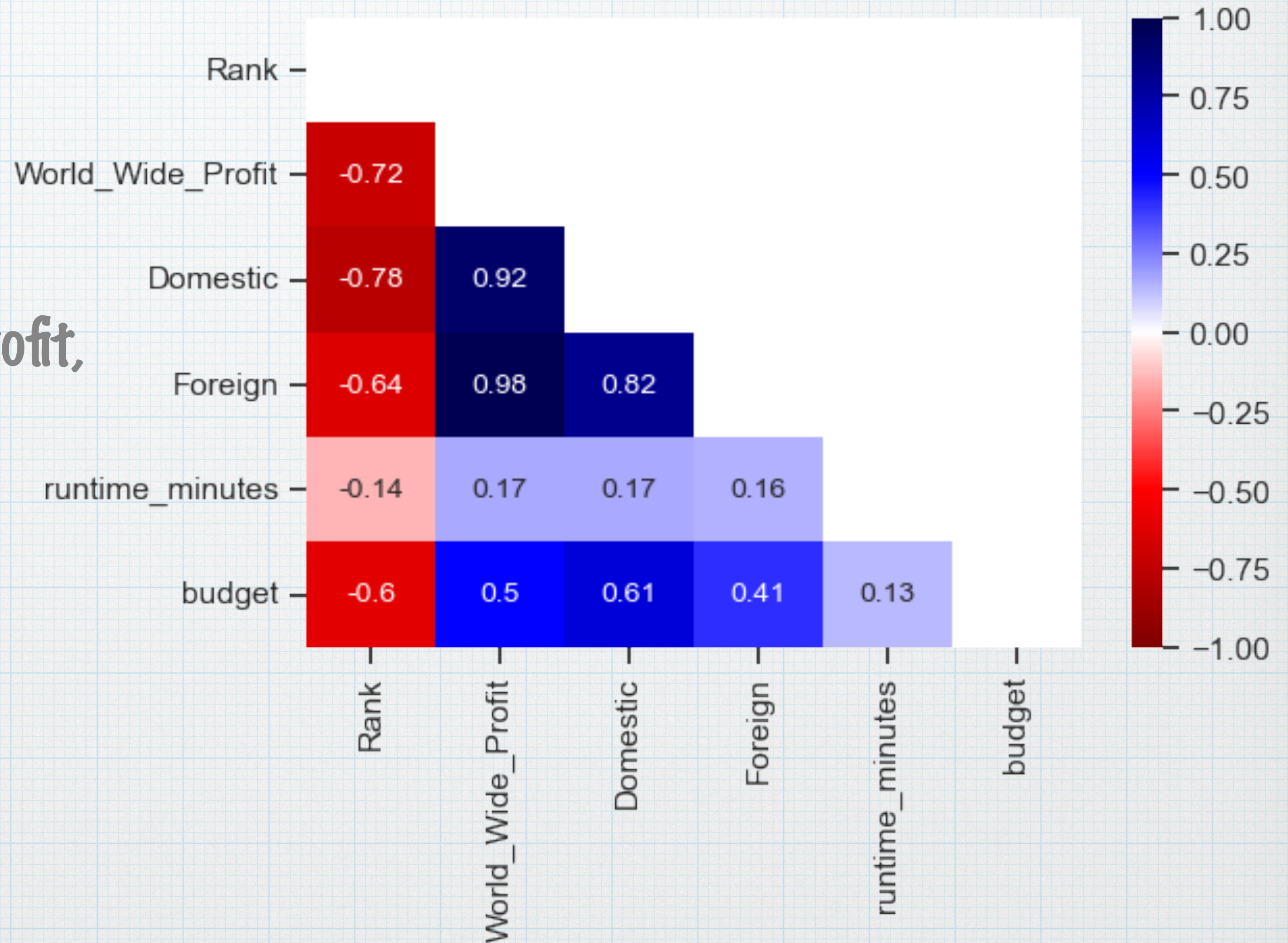
Results

Results

* The R^2 = 0.849 for Domestic Profit, Budget and World Wide Profit.

* R^2 = 0.935 for Foreign Profit, Budget, and World Wide Profit.

Conclusions

* Recomendation:

  * Investment can effect both Domestic sales as well as Foreign sales.

  * International sales to other movies can greatly effect the profit margin.

FutureWork

* Web Scrap for more data points to refine the model

  * Get data from other websites

  * Analyze other factors that can affect the model

  * Simultaneously releasing in theater and online is better then releasing theaters first then online.