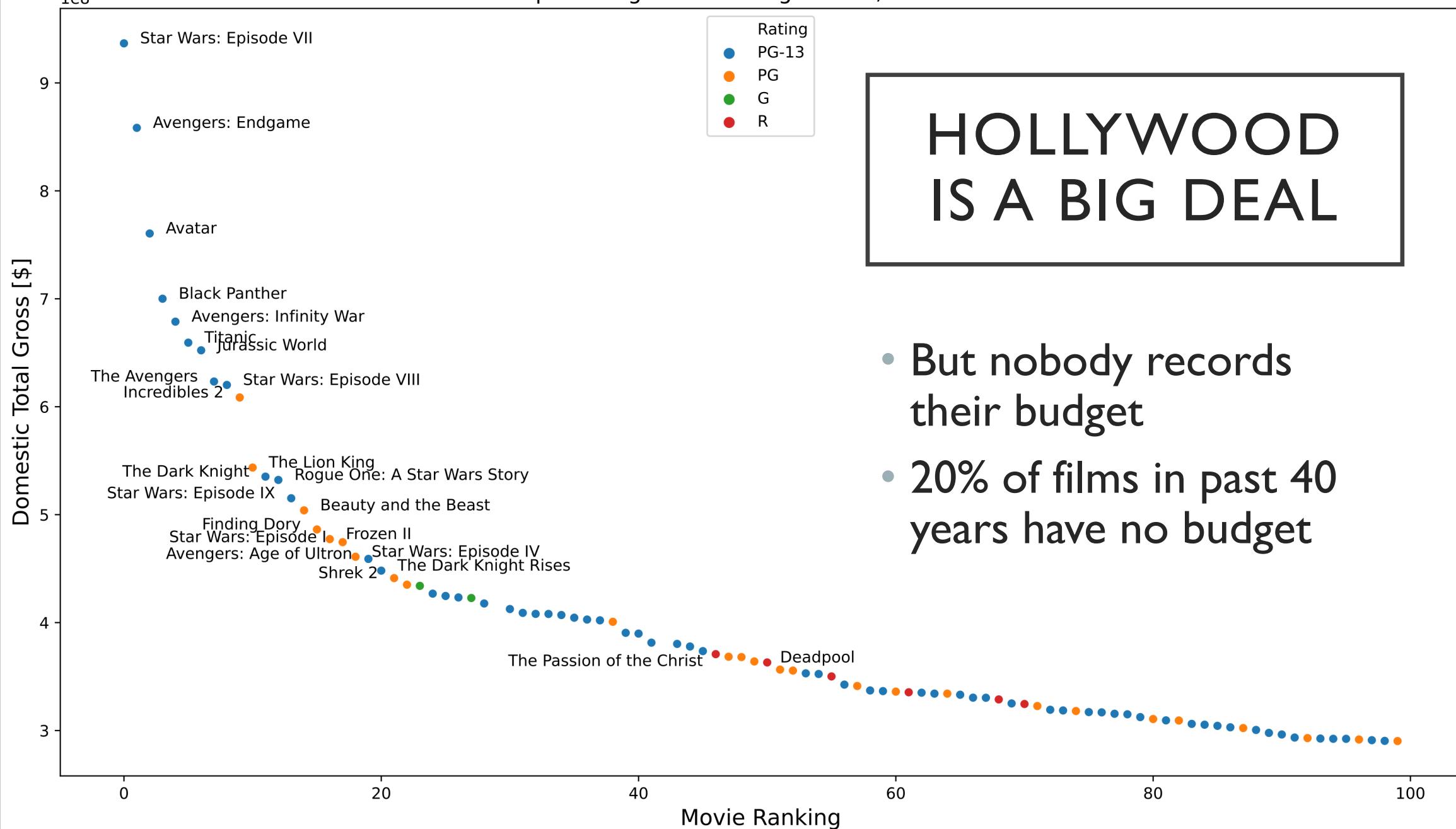
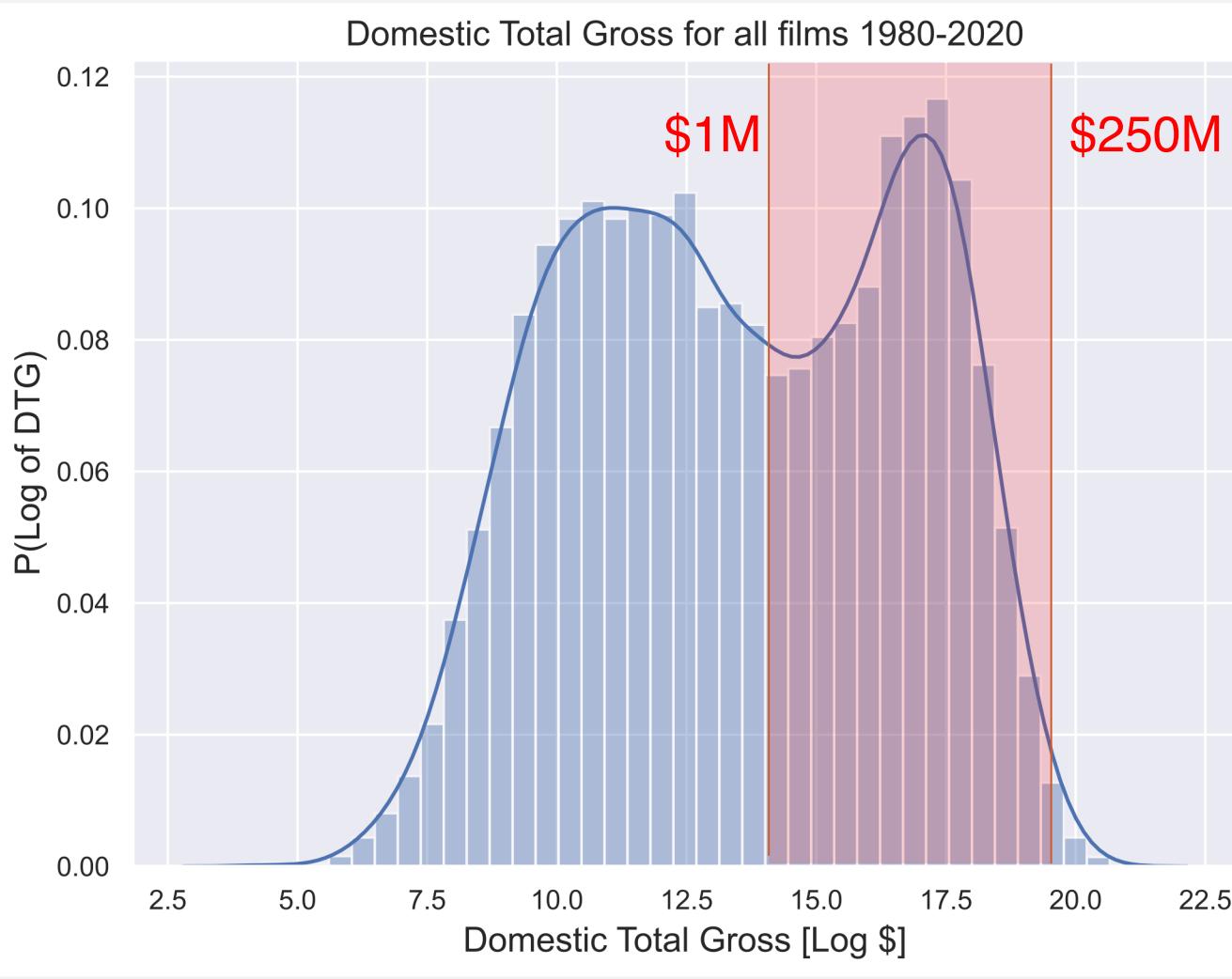


NOT BLOCKBUSTERS, STILL HOLLYWOOD

Jonathan Chu

Top 100 Highest Grossing Movies, 1980-2020





MEDIUM FISH ONLY

- Gross between \$1 and \$250 million
- Budgets > \$1 million

SCORING IMPACT

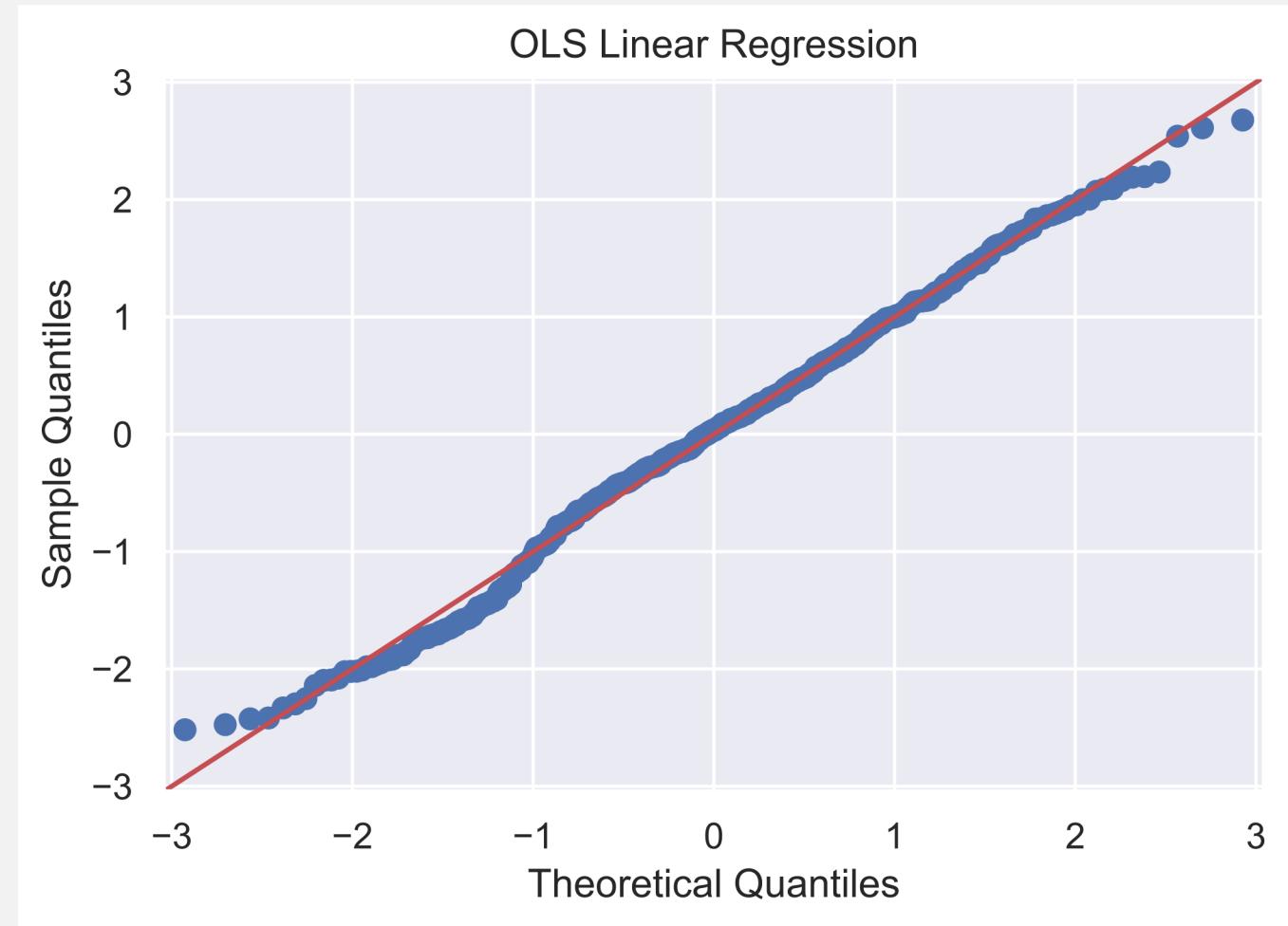
GNN

- How to gauge box-office power of people?
- Take median of previous film grosses

RESULTS

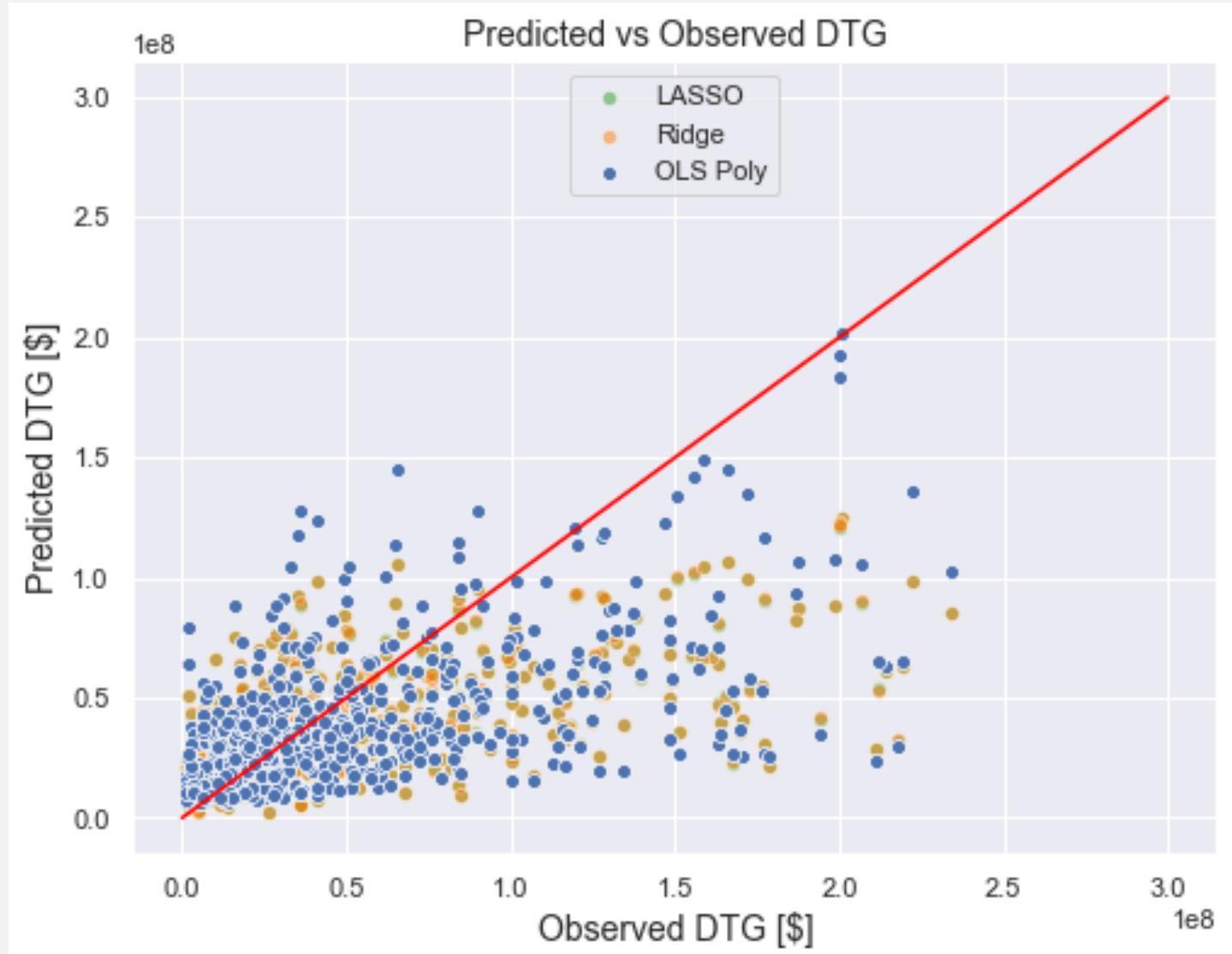
OLS Poly

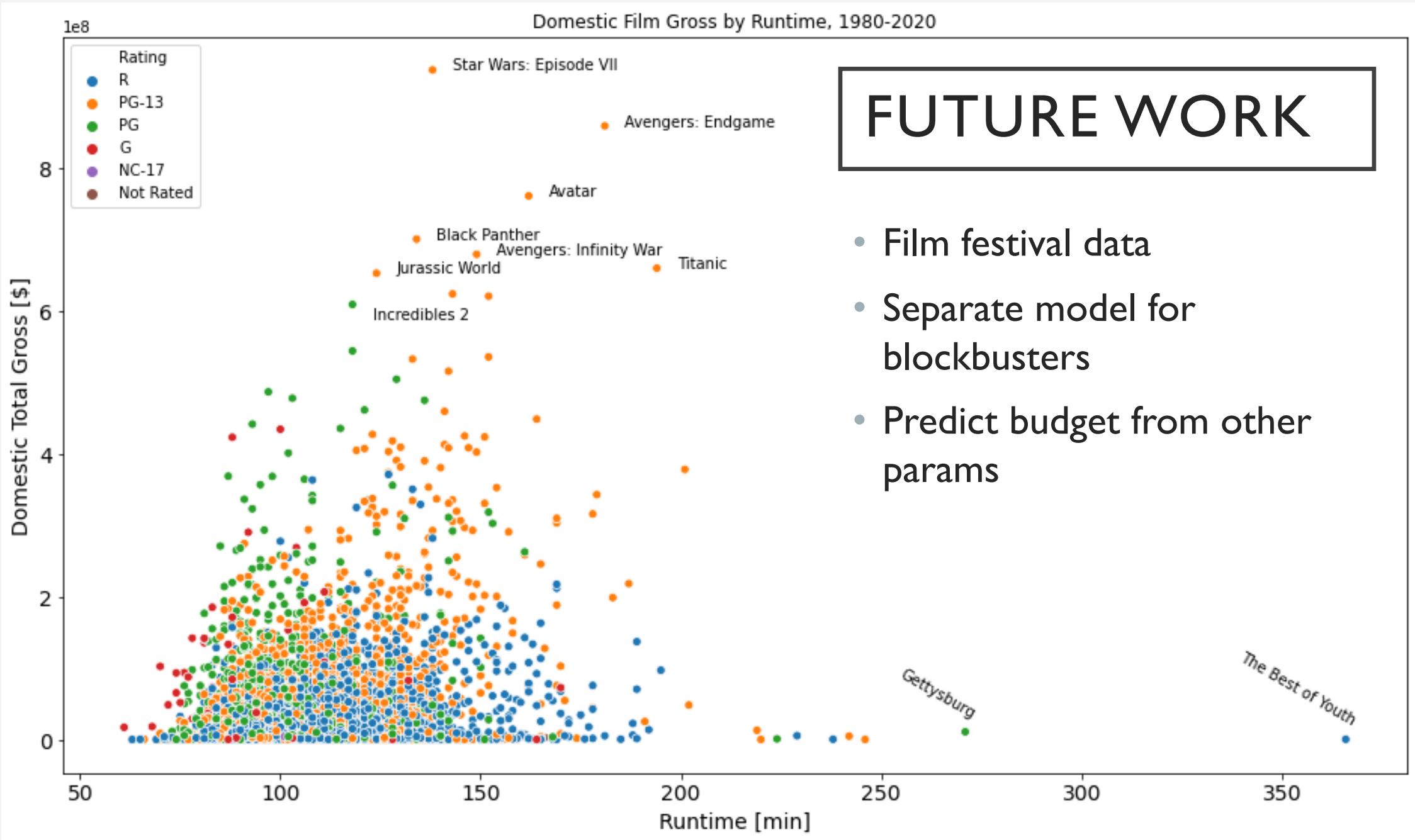
R²	0.332
Adj R²	0.327
MAE	\$28.6M
RMSE	\$1.75M



TAKEAWAYS

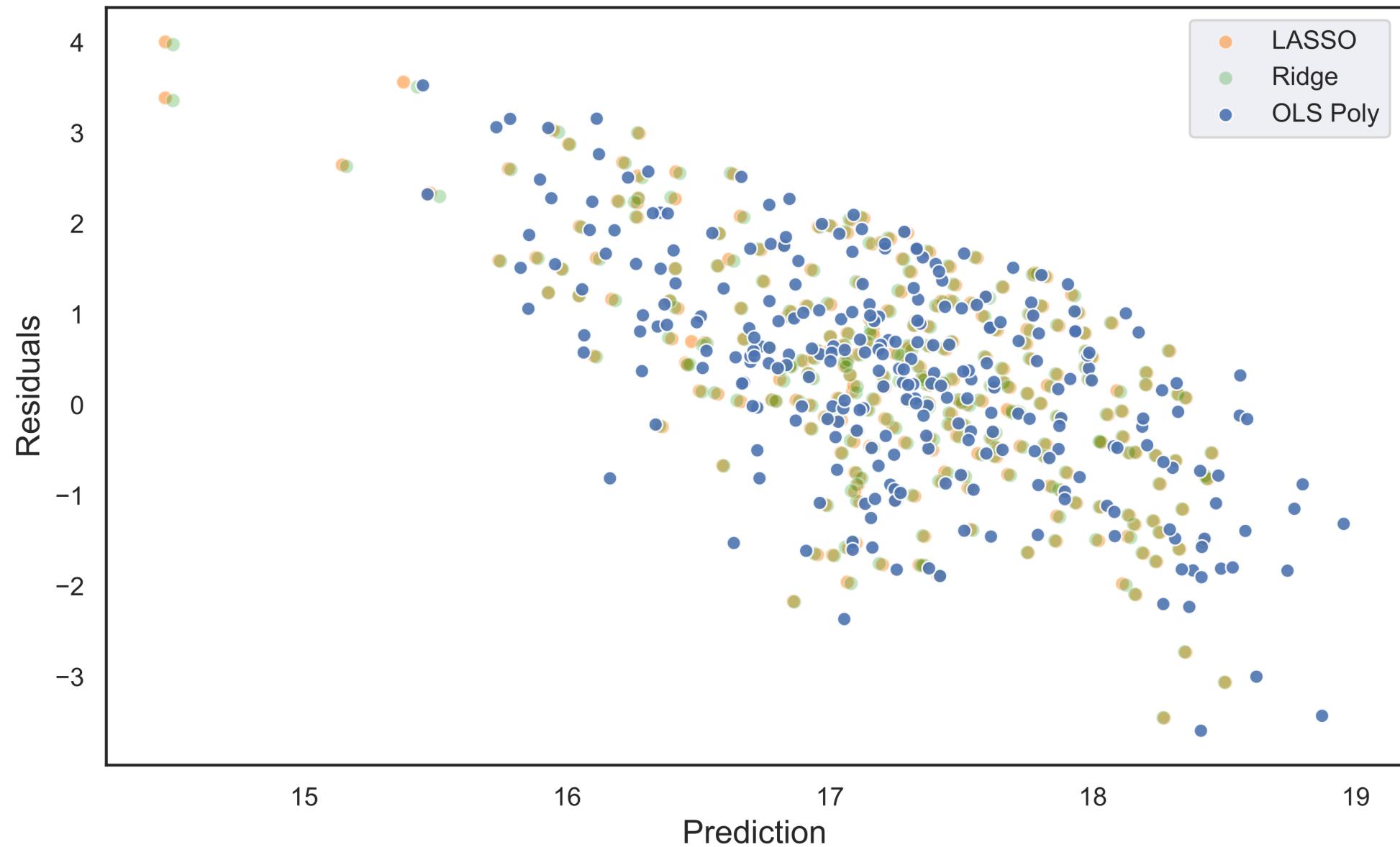
- Budget is (unsurprisingly) the most accurate predictor of gross
- Also distributor (studio)



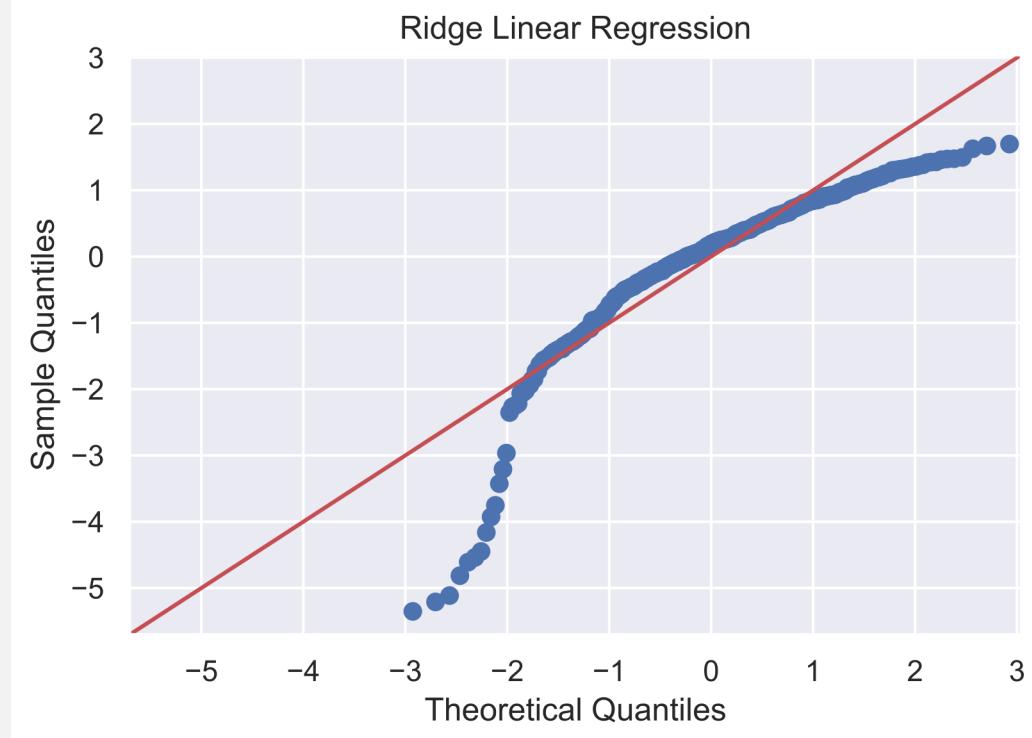
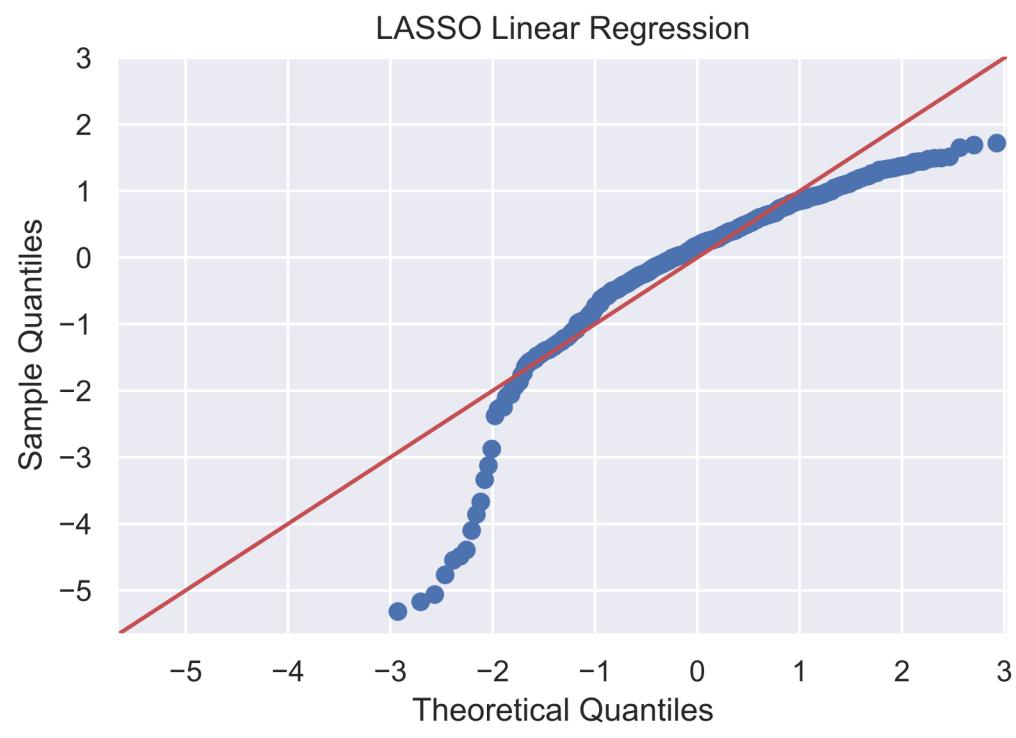


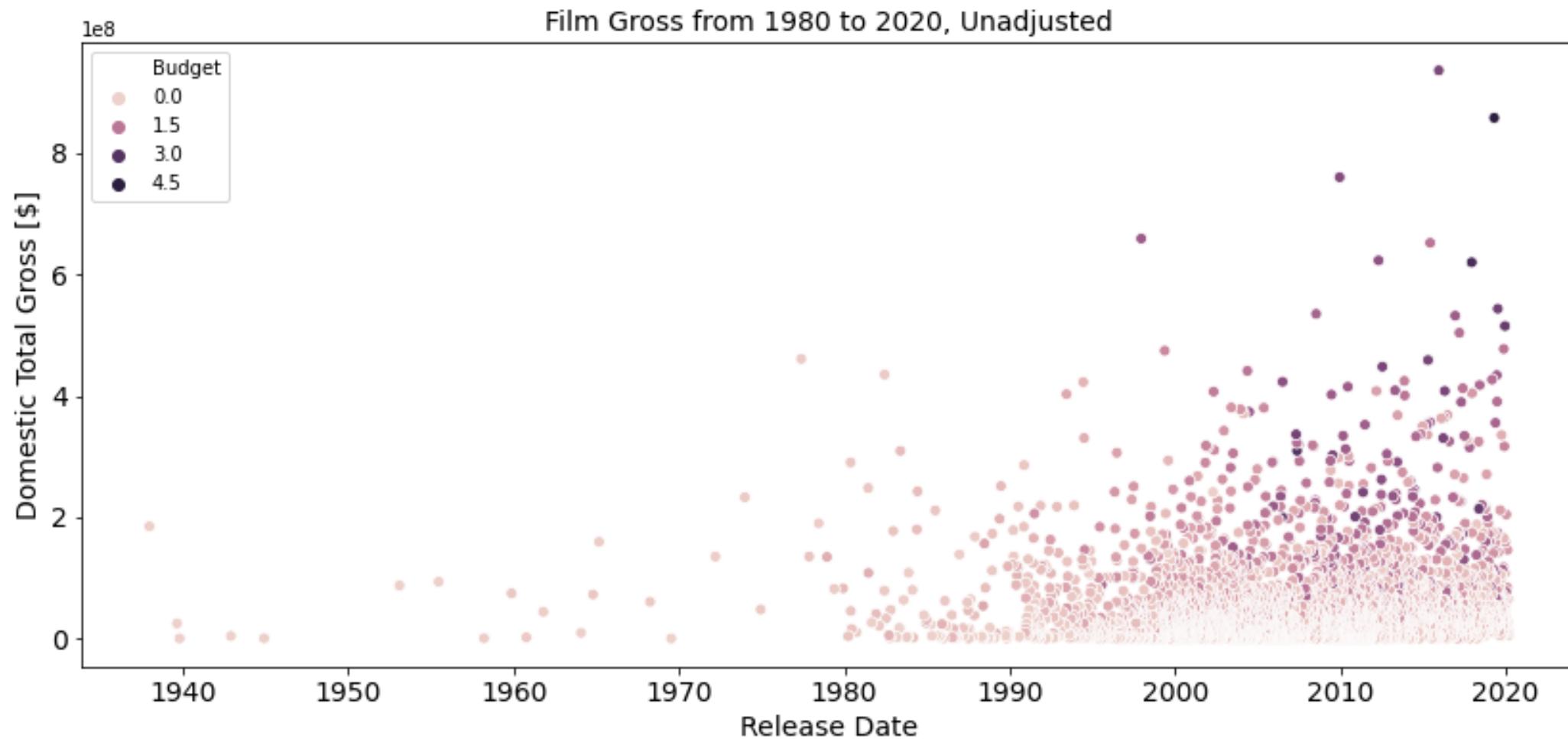
APPENDIX

Residuals

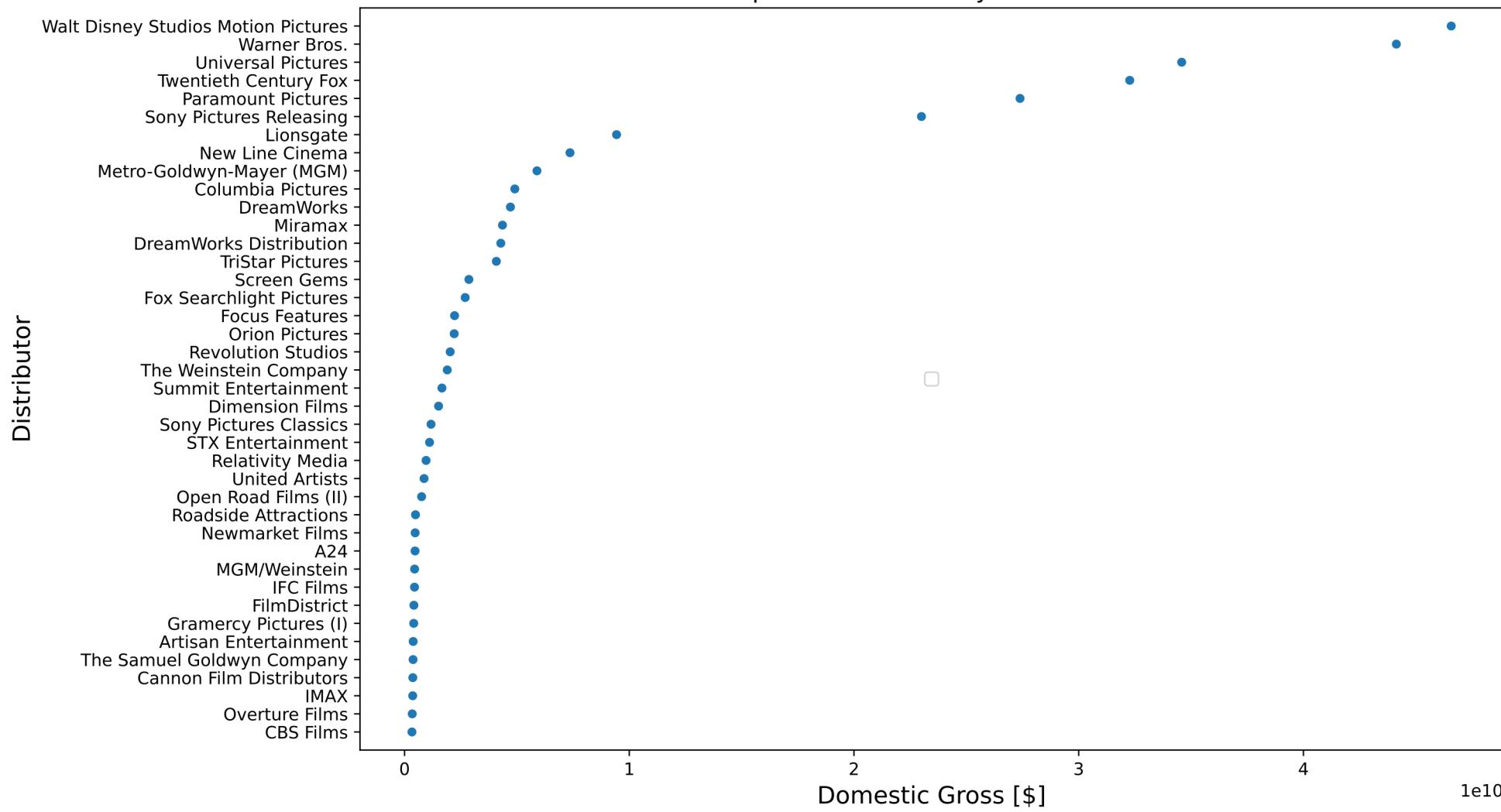


LASSO & RIDGE REGRESSIONS

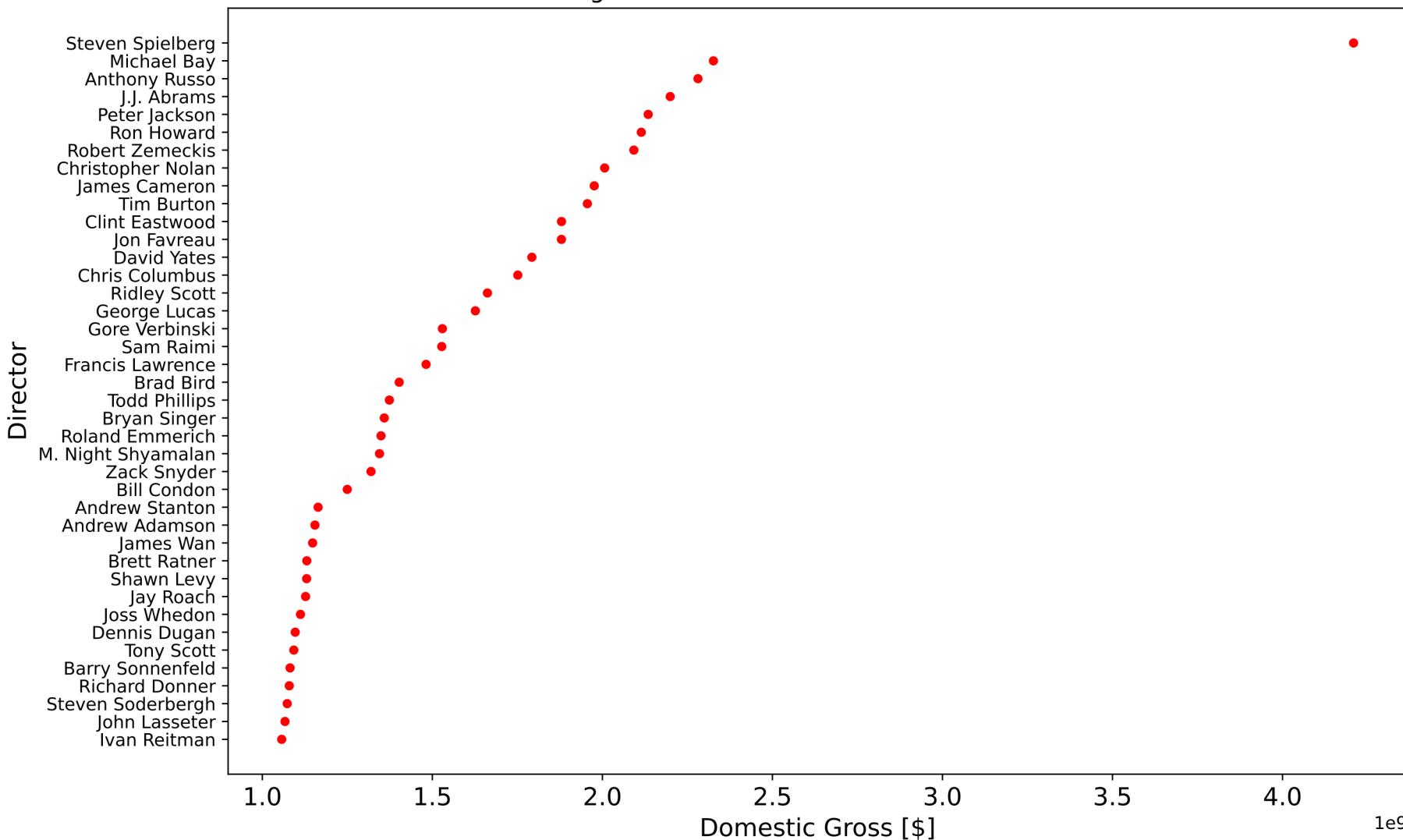




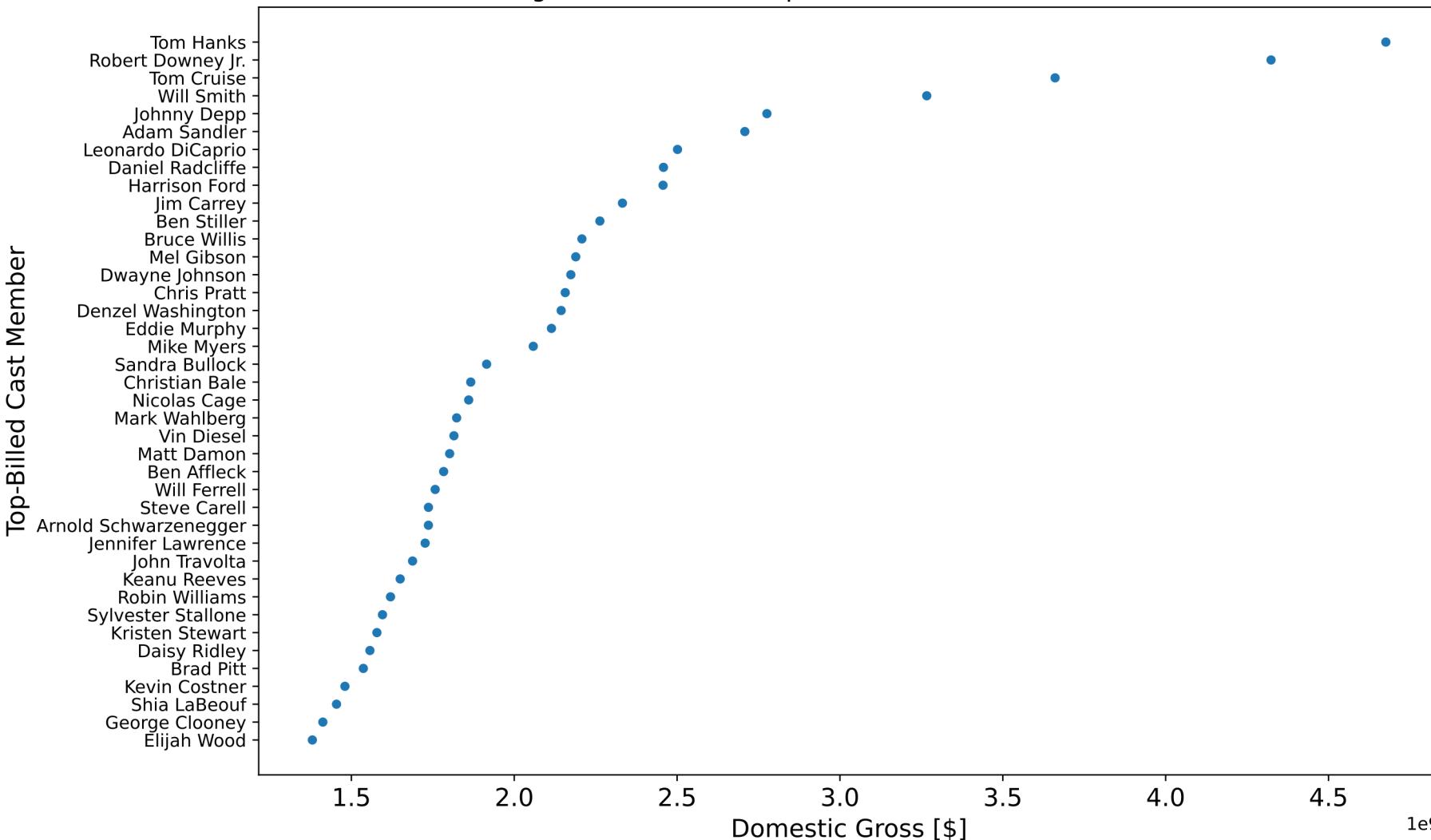
Top 40 Distributors by Dom. Gross



Highest Total Gross: Directors 1980-2020

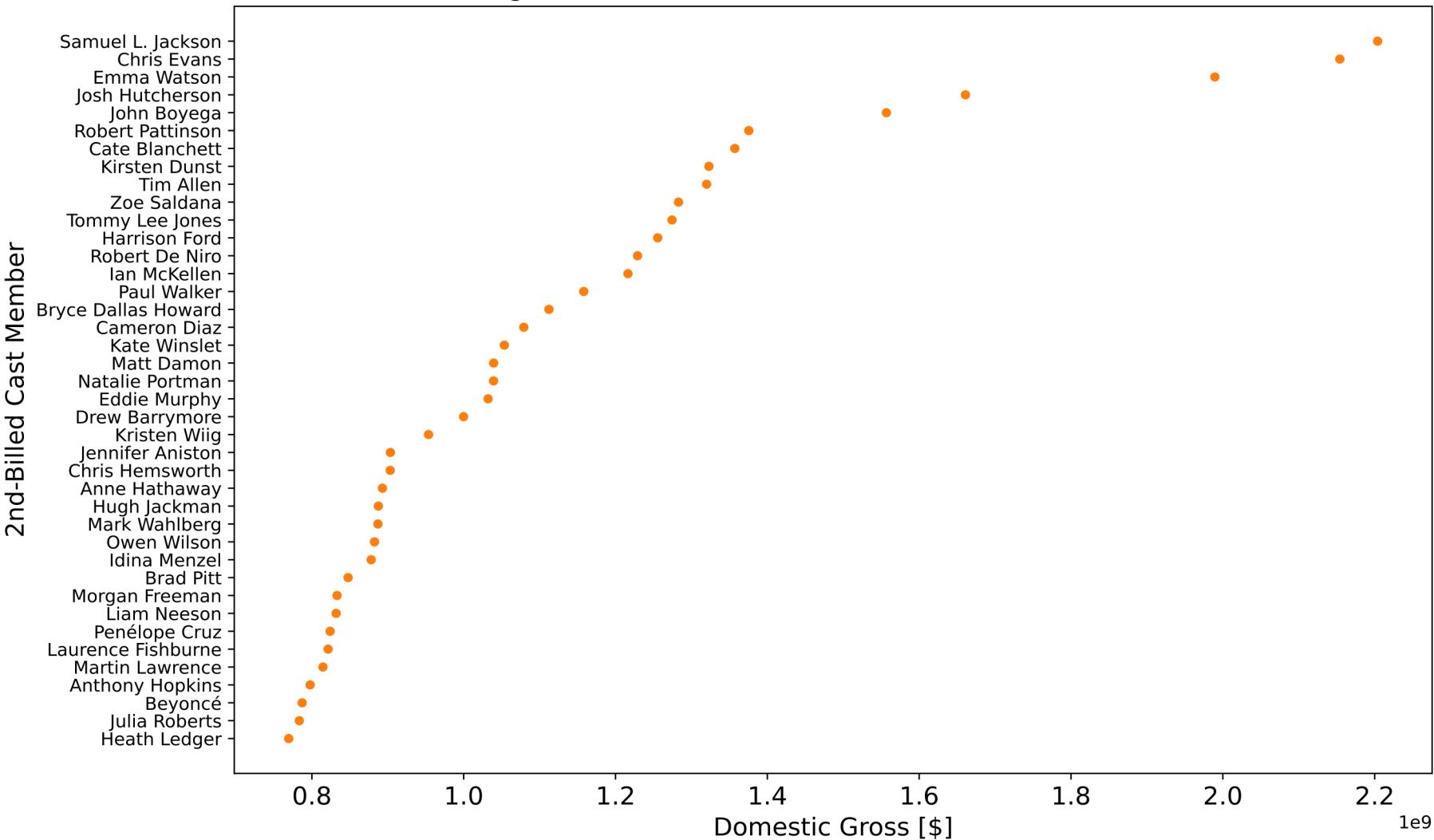


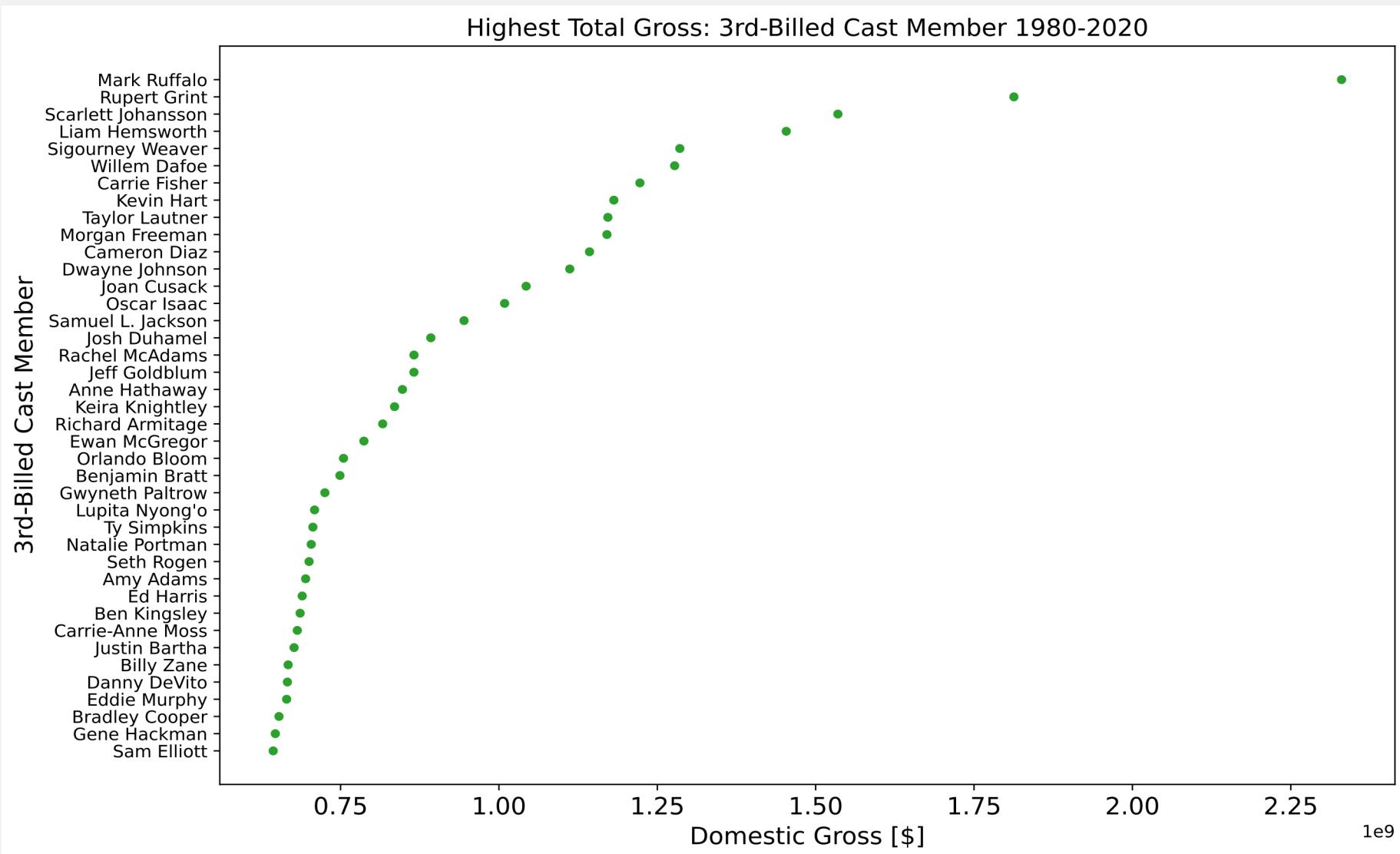
Highest Total Gross: Top-Billed Cast Member 1980-2020



1e9

Highest Total Gross: 2nd-Billed Cast Member 1980-2020





Highest Total Gross: 4th-Billed Cast Member 1980-2020

