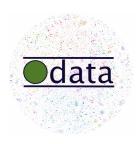
Case prepared for Mr. Dino Brangelino CEO MovieMarketingMoneyMaker

by Frederik Durant .data consulting

New York City January 30, 2015



Customer Request

- Better understand:
 - profit drivers of movie investments
 - Ideal investment time (pre or post launch)
- Given customer profile:
 - Risk averse
 - Late investor



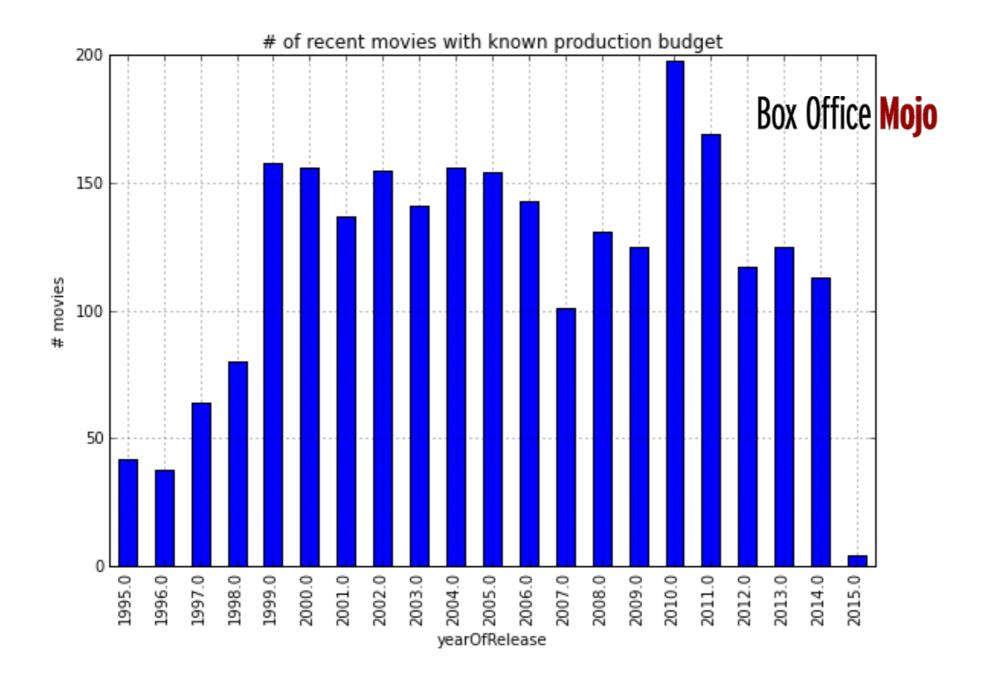


Key insights & deliverables

- Production budget is a necessary but insufficient profit driver
- Knowledge of opening weekend revenue (average per theater) reduces model error by up to 15%
- Prediction models are available for calculating domestic gross revenue and profitability



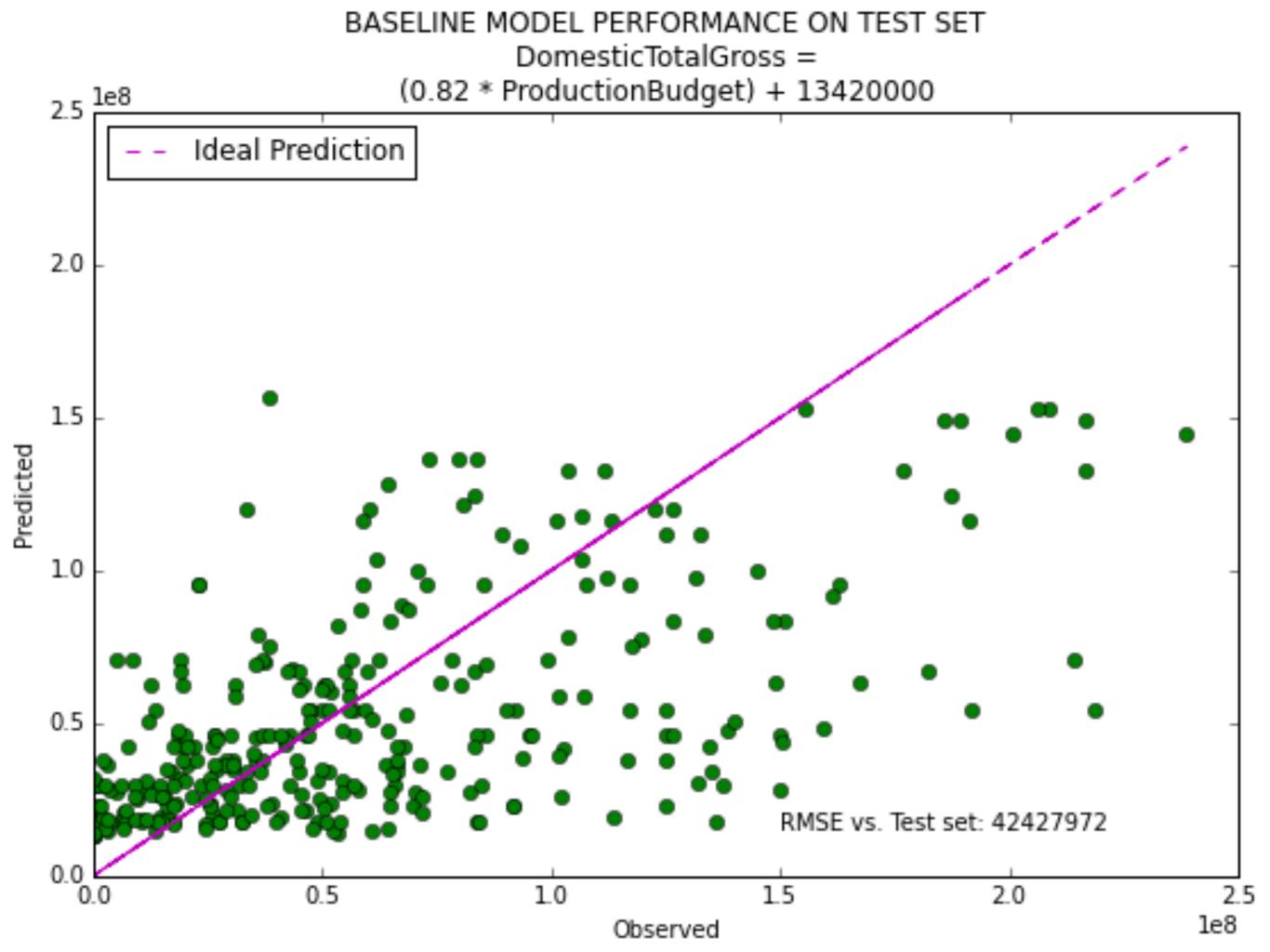




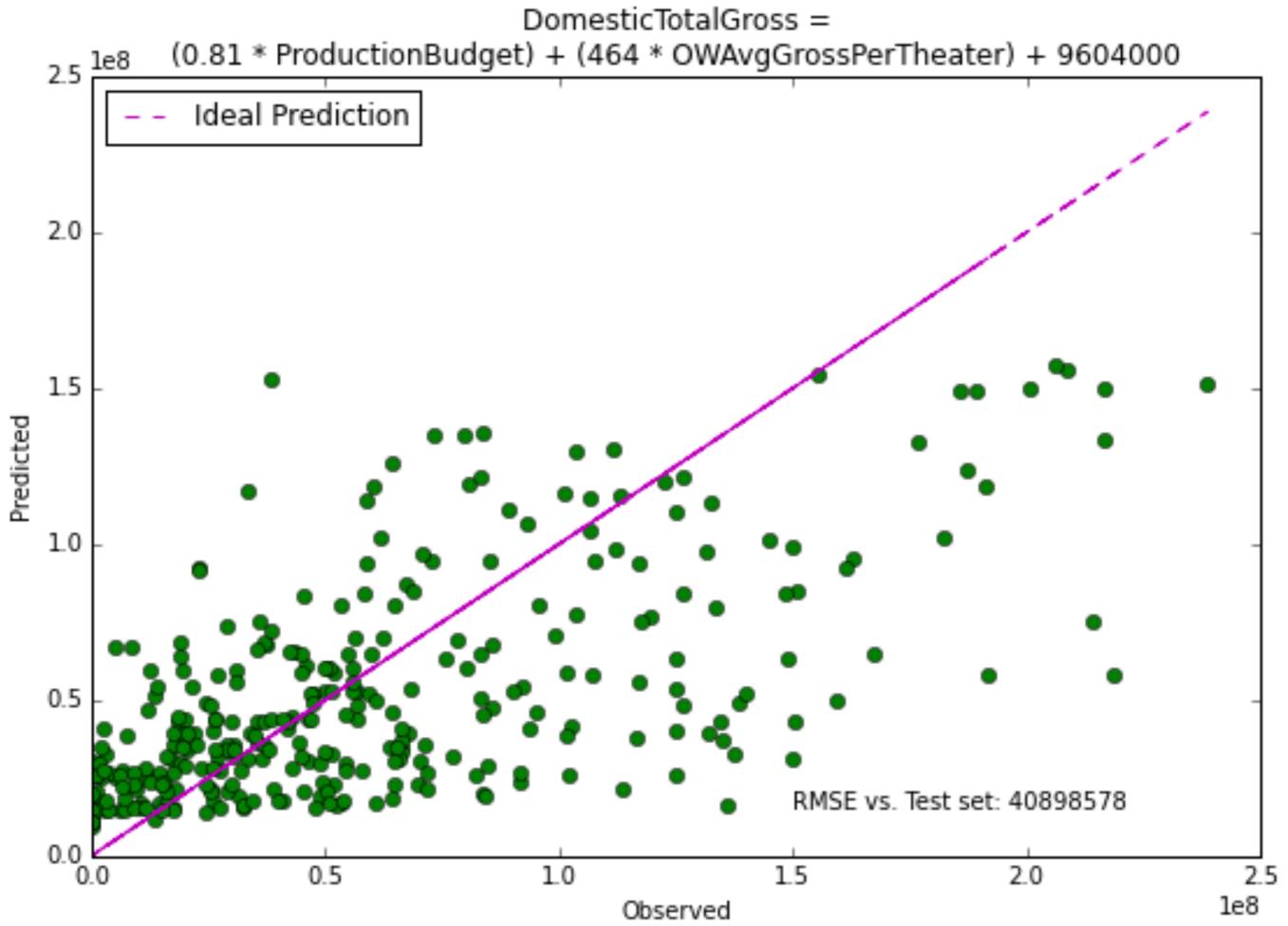
	# instances	origin
Training	1985	1995 - 2011
Test	321	2012 - 2015



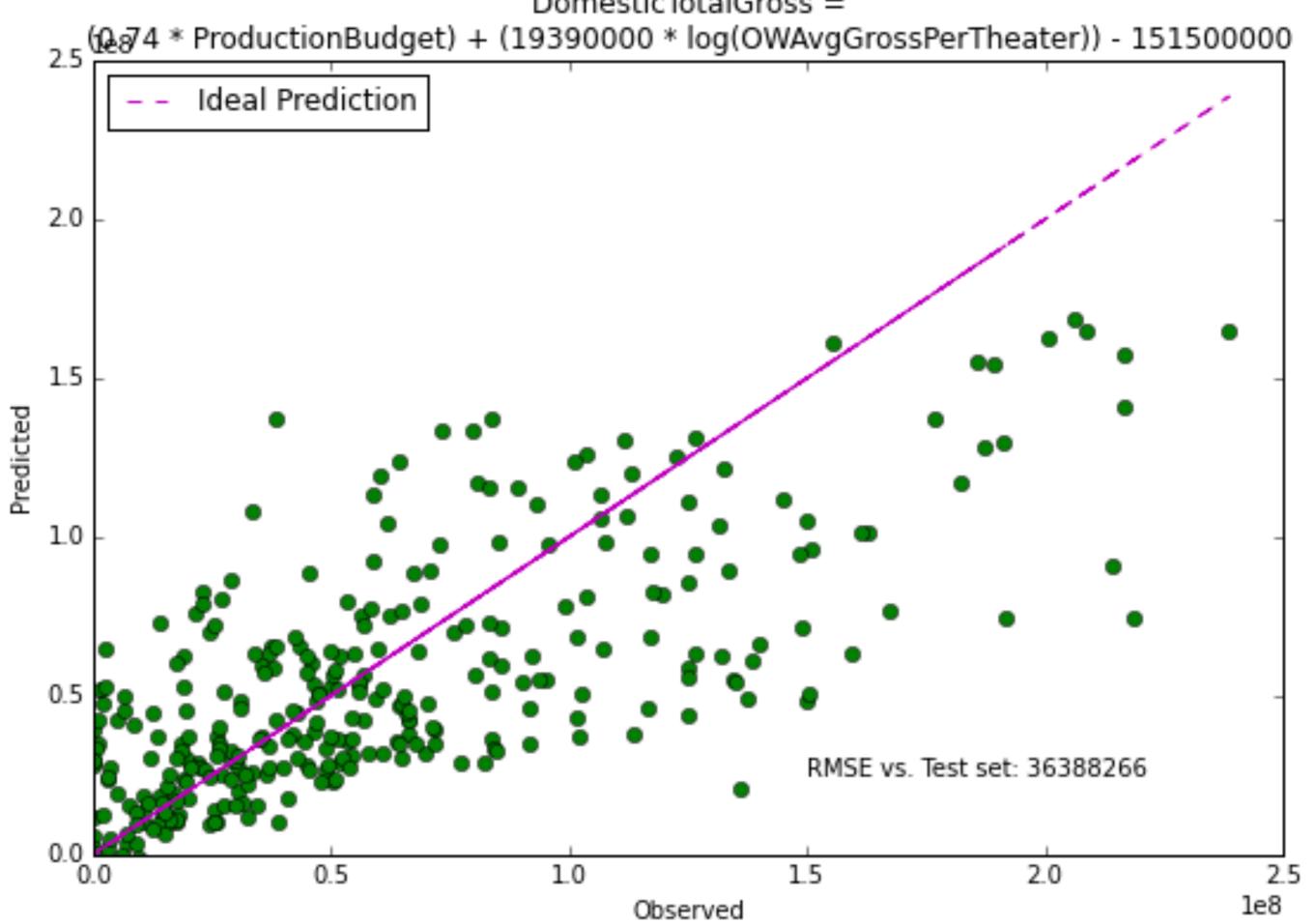




IMPROVED MODEL PERFORMANCE ON TEST SET DomesticTotalGross =



BEST MODEL PERFORMANCE ON TEST SET DomesticTotalGross =



Model performance

Gross revenue prediction model	Root mean square error vs. test set	Rel. error reduction (baseline = 100)
Baseline	\$42.4 M	100
Improved	\$40.9 M	96.4
Best	\$36.4 M	85.8





Profitability ratio:

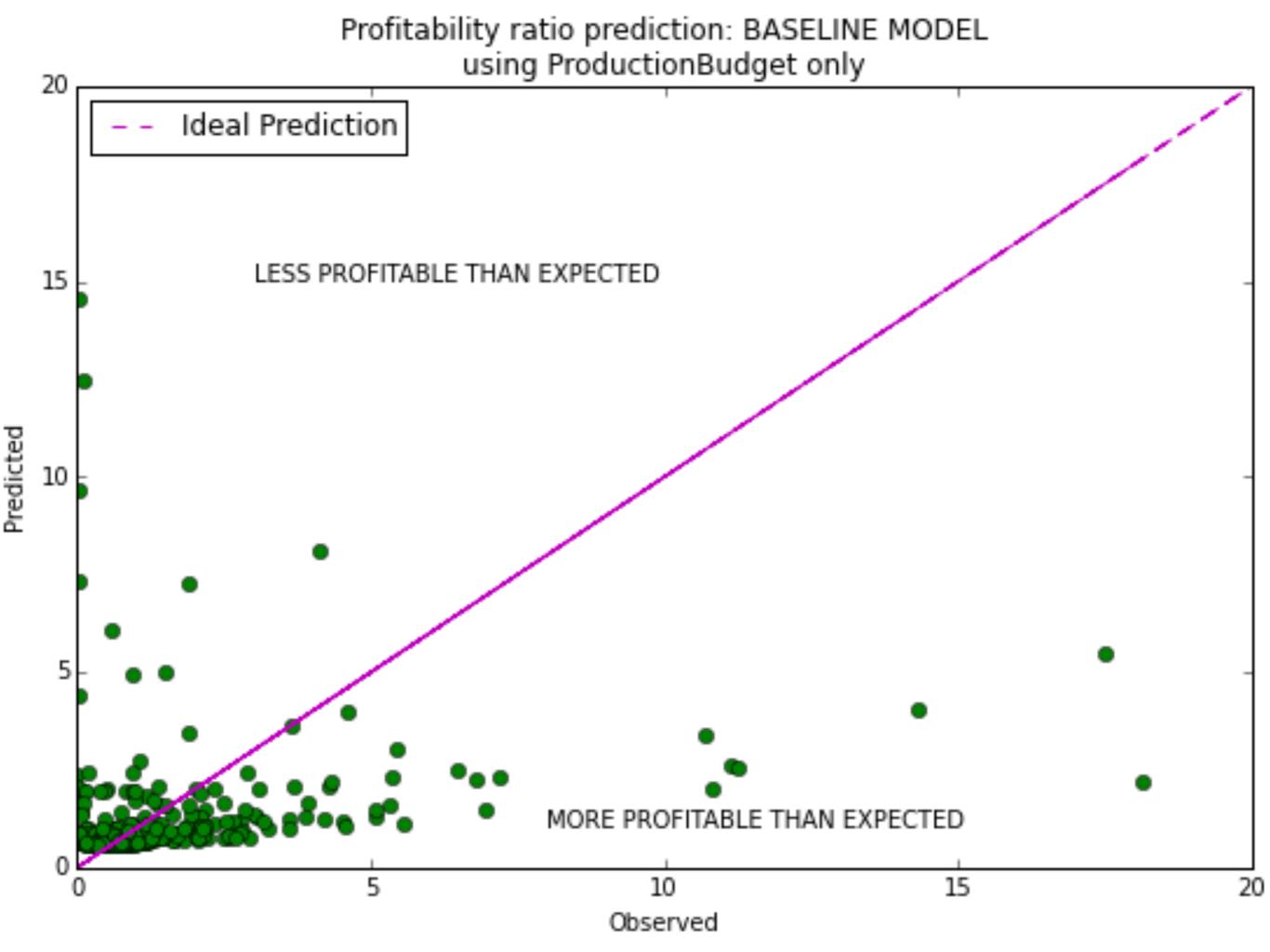
Domestic Gross Revenue / (Production Budget * 1.5)

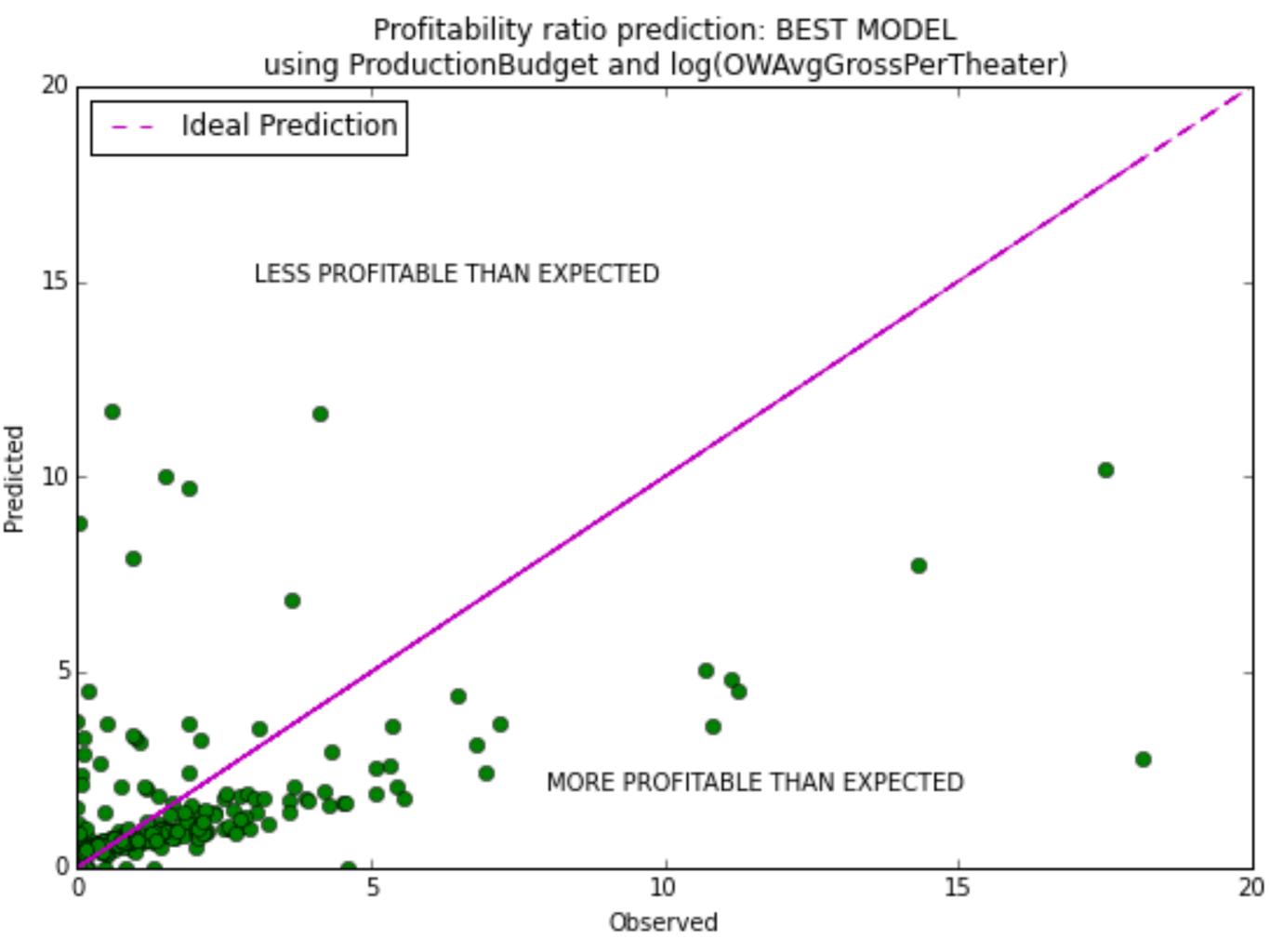
Source:

http://entertainment.howstuffworks.com/movie-cost1.htm









Thank you!



