



Oscar-egression



# When Metis gives you movies... predict the Oscars

Box Office **Mojo**  
**THE NUMBERS**



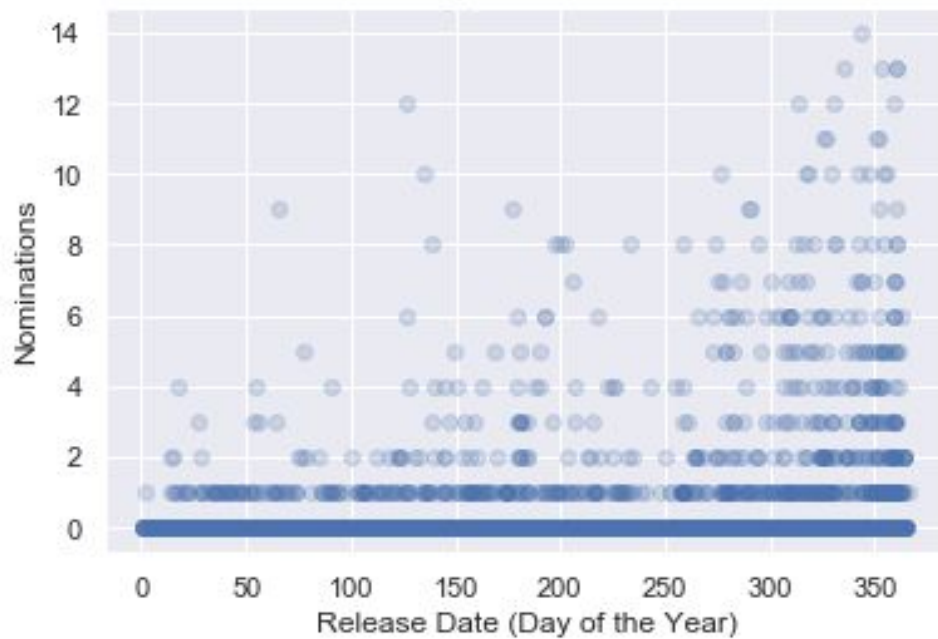
- Domestic Total Gross
- Run Time
- Release Date
- Production Budget
- Length of release in theaters
- Opening Weekend Gross
- Opening weekend rank

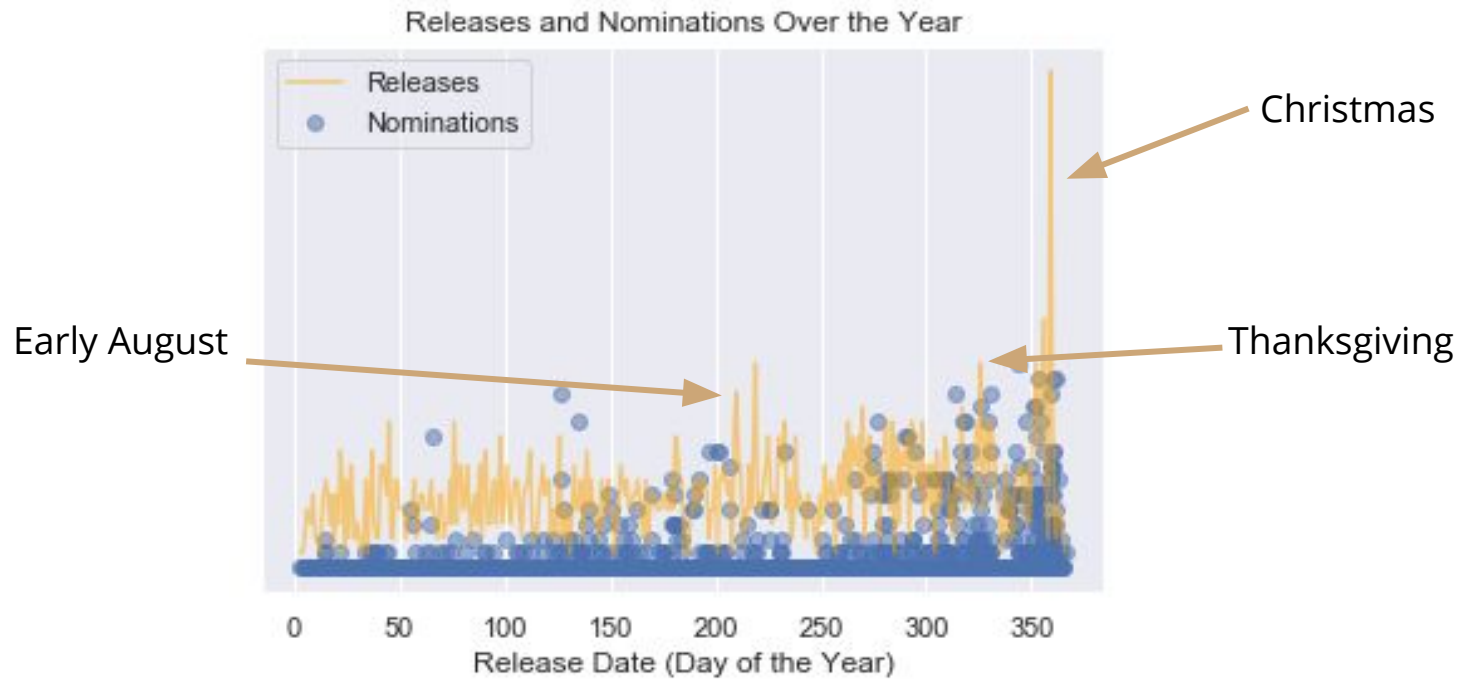


# Theory

Studios strategically release their oscar hopefuls later in the year to remain fresh in the minds of the Academy

Number of Noms by Release Date for All Movies





Studios strategically release their oscar hopefuls later in the year to **maximize the number of nominations.**

Let's take this further...

Can we use this to predict nominations?

# Considerations

Most films don't receive any nomination

Oscar nominations can't be less than 0, don't come in halves



Poisson Regression?



# Final Destination

## Features:

Domestic Total Gross

Run time

Time in release (in theaters)

Production Budget

Release date in the year

Opening gross

Opening rank

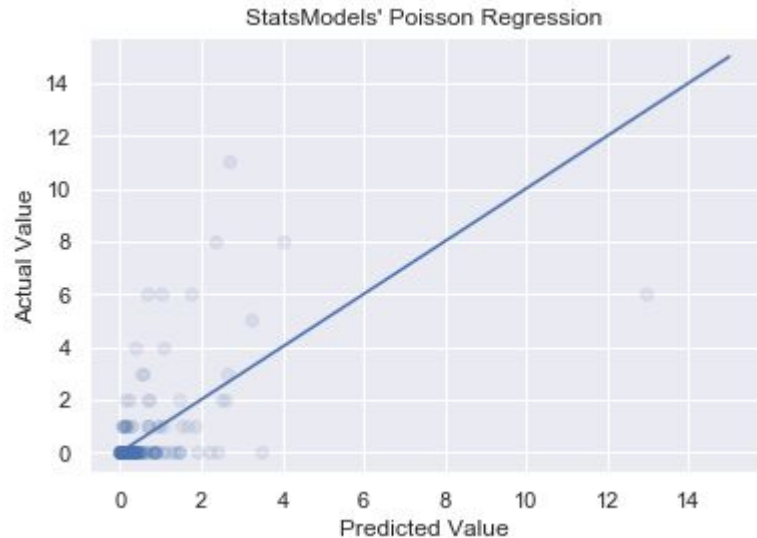
Opening Ratio \*

\* amt of domestic total gross earned  
over opening weekend

## Metric:

Pseudo  $R^2$  is .07

(unscaled 4.5, ols 3.5)



# How predictive was release date?

Feature predictiveness in order of coefficient magnitude:

Run Time	0.2541
Num days in theaters	0.2419
<b>Release day</b>	<b>0.1407</b>
Domestic Total Gross	0.1284
Opening Ratio	-0.1060
Opening Gross	-0.0981
Production Budget	0.0218
Opening Rank	-0.0113

# Interesting Results: The Lord of the Rings



Fellowship of the Ring

13 nods

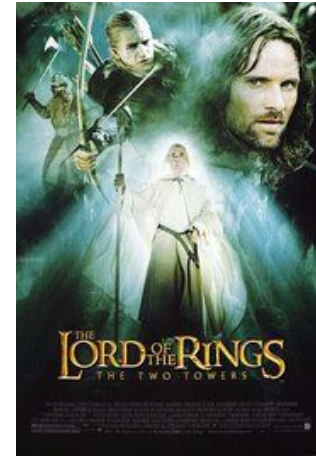
In theaters 243 days  
Run time 178 mins  
Opening ratio 15



Return of the King

11 nods

In theaters 170 days  
Run time 200 mins  
Opening ratio 18

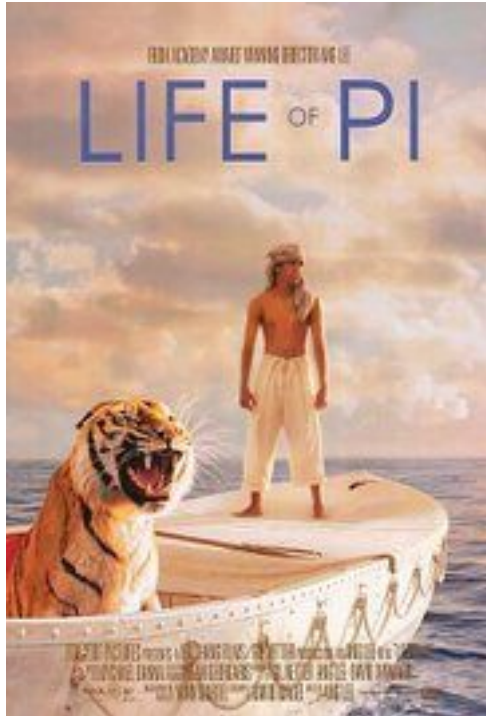


The Two Towers

Predicted: 11 nods  
Actual: 6

In theaters 250 days  
Run time 179 mins  
Opening ratio 19

# Interesting Results: Life of Pi



Predicted: 2 nods

Actual: 11

Release date: Nov 21

In theaters 247 days

Opening Ratio 18

Opening weekend rank: 5

Opening gross 22M

thank you

