

El Desco presenta

OFFICIAL SELECTION
tiff
THE INTERNATIONAL FILM FESTIVAL OF TORONTO

Emma
Suárez

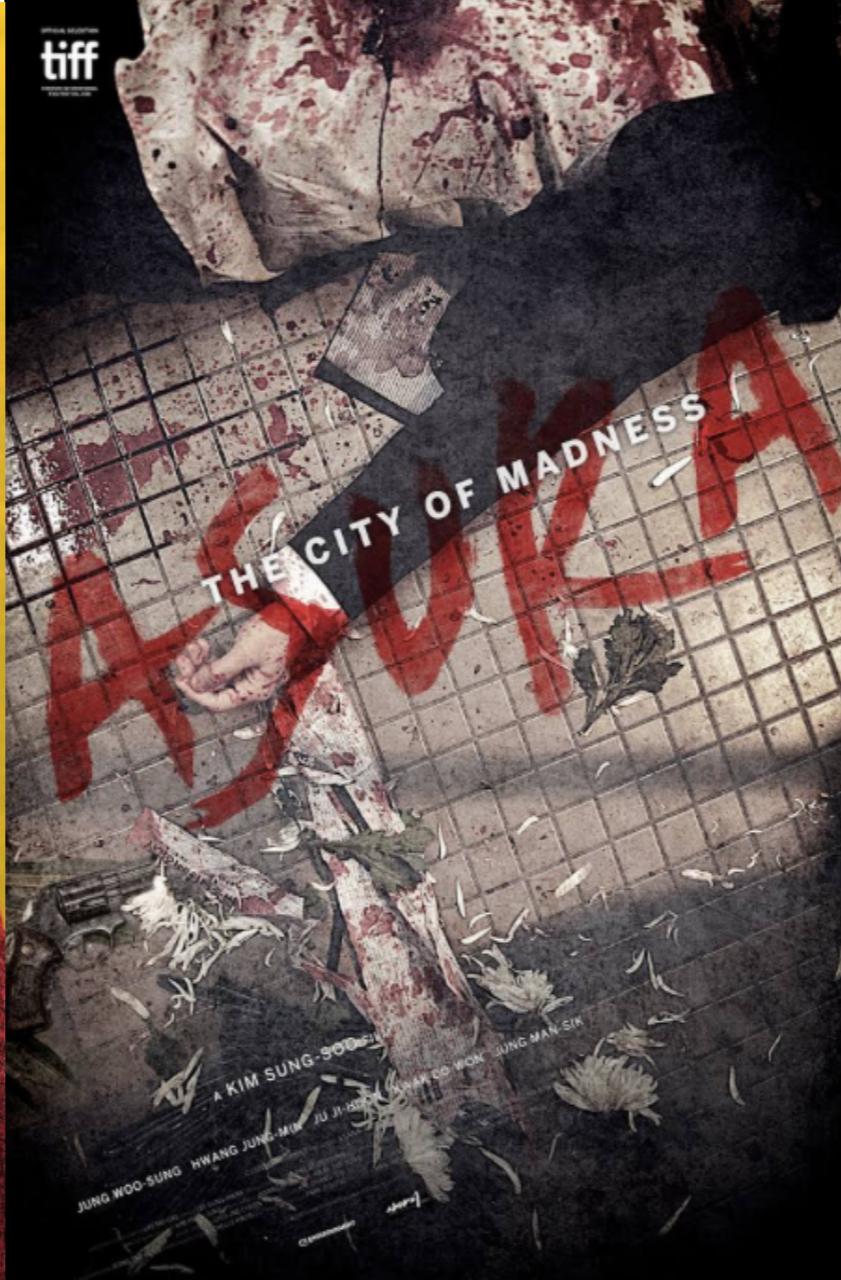
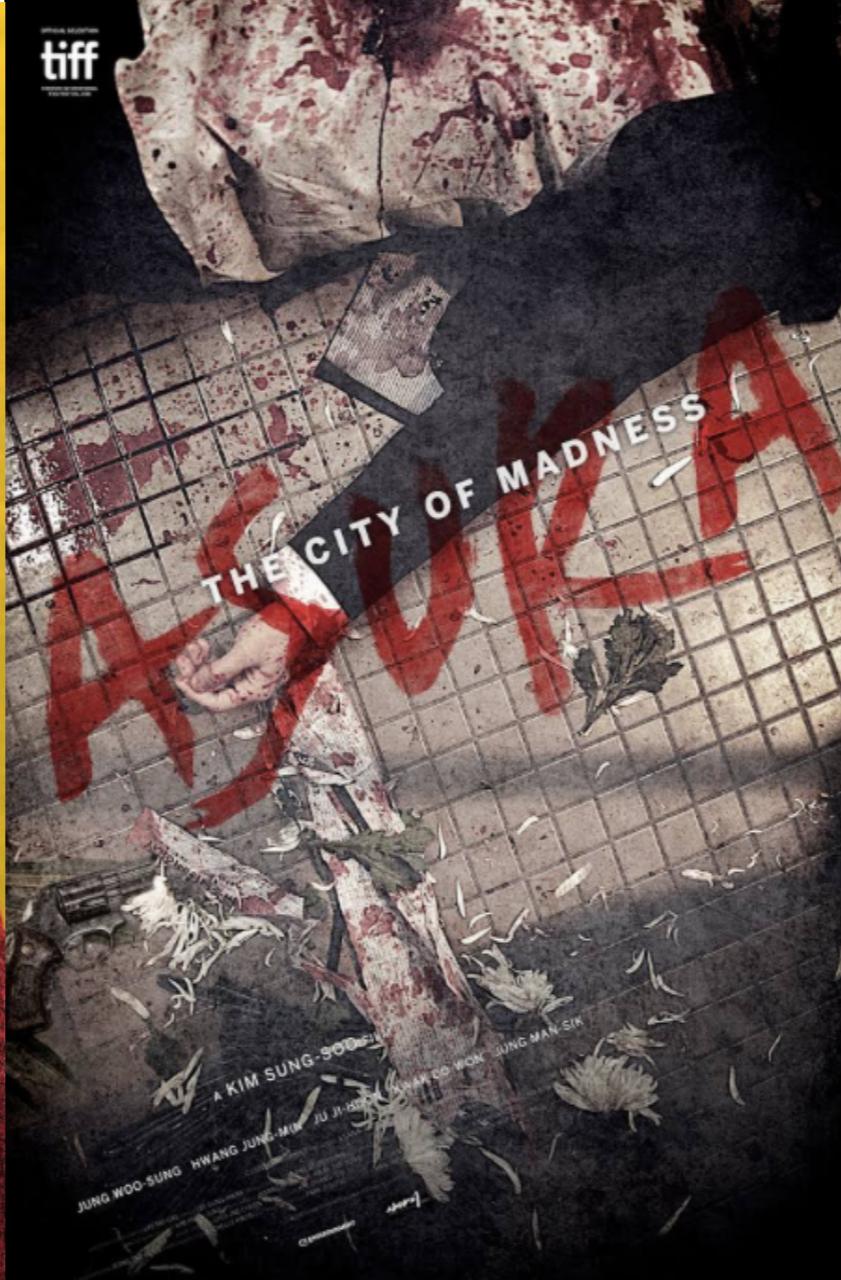
Adriana
Ugarte

julieta

un film de Almodóvar

Daniel Grao Inma Cuesta Dario Grandinetti Michelle Jenner y Rossy de Palma
PRODUCED BY AGUSTÍN ALMODÓVAR PRODUCED BY ESTHER GARCÍA MUSIC ALBERTO IGLESIAS
DIRECTOR JOSE SALCEDO DIRECTOR OF PHOTOGRAPHY JEAN CLAUDE LARIBE (A.C.C.)
SCREENPLAY AND STORY BY PEDRO ALMODÓVAR BASED ON A RELATIONSHIP BY ALICE MUNRO

CORTADO SPAIN 2016 100 MINUTOS



Can We Predict the Number of US
Theaters in Which a Foreign Language
Film will be Released using Regression?

Rebecca Hyde

Features ... that I thought might be useful

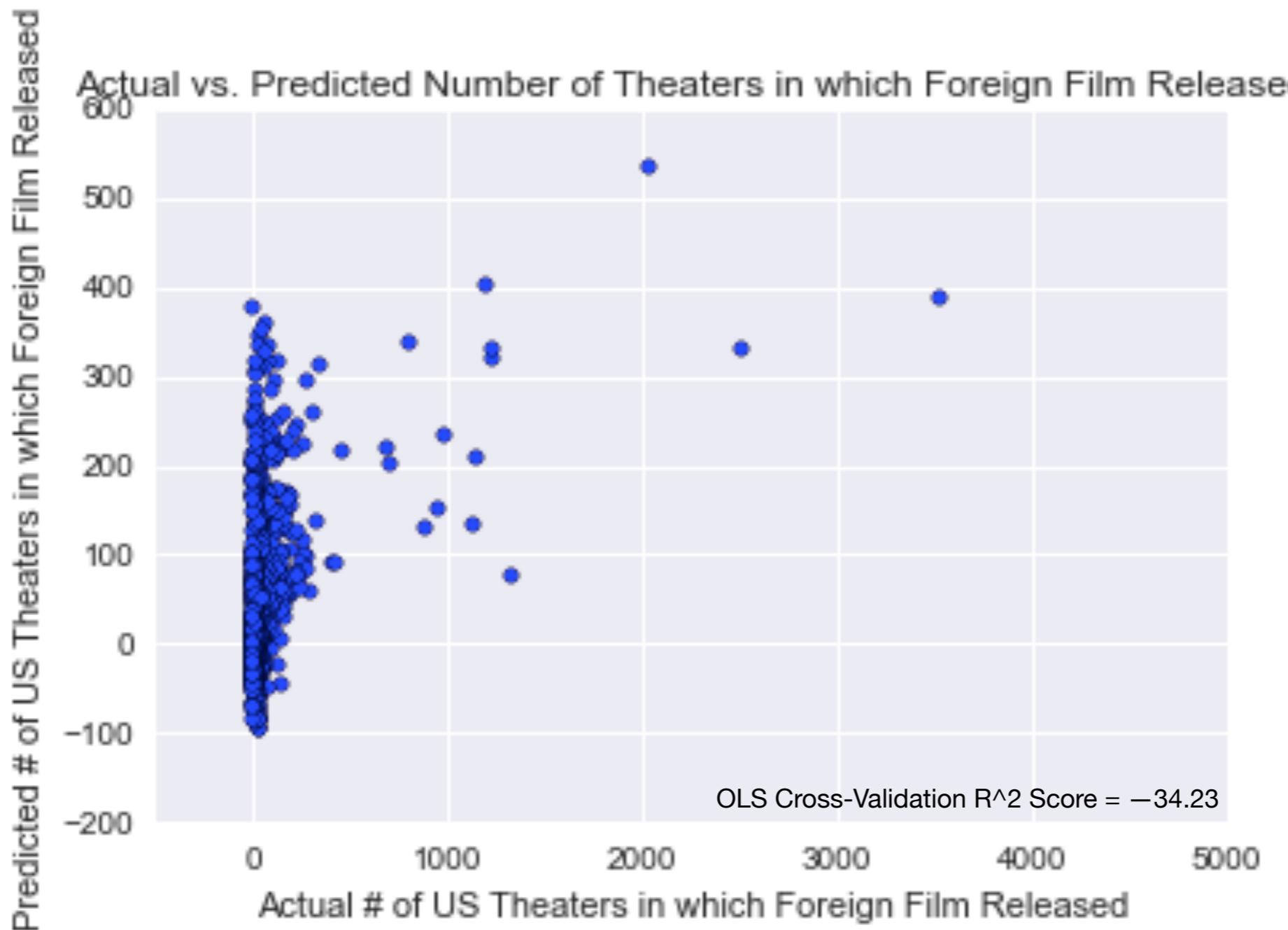
Features	Website Data Found
Country of Origin	OMDb API
MPAA Rating	Box Office Mojo
Distributor	Box Office Mojo
Release Month	Box Office Mojo
Runtime	Box Office Mojo

Exploratory Data

- Dataset - 1079 Foreign Language Films
- Mean Number of US Theaters FLF Released: 59
- Median Number of US Theaters FLF Released: 20
- Maximum Number of US Theaters FLF Released: 3522
(Miss Peregrine's Home for Peculiar Children - released Sept. 30, 2016)
- Minimum Number of US Theaters FLF Released: 1 (many films)



OLS: All Features & Outlier Datapoints Included



Lasso Says...

Features

Coefficients

Runtime

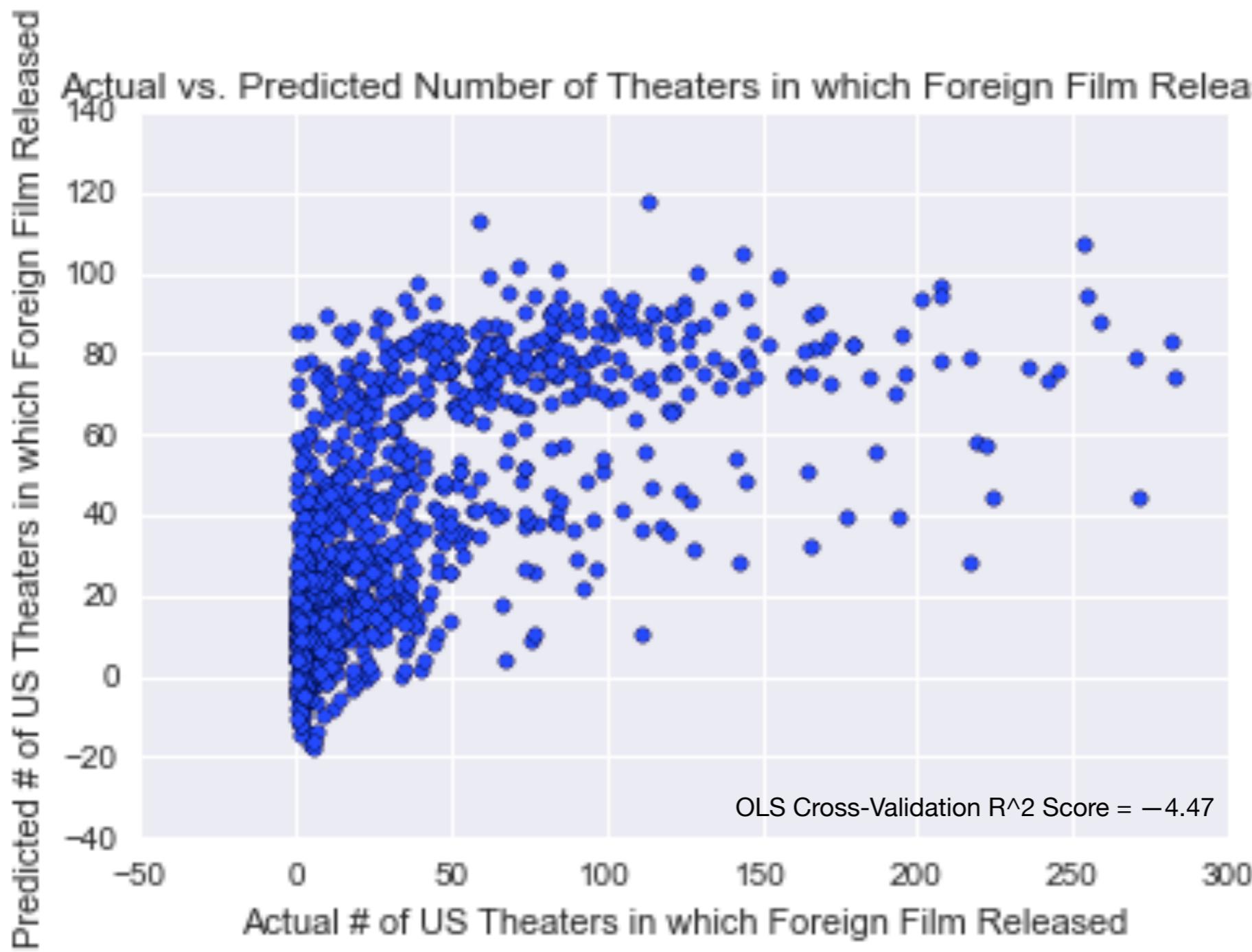
0.3



-8.82

Lasso Regression Cross-Validation R² Score = 0.01

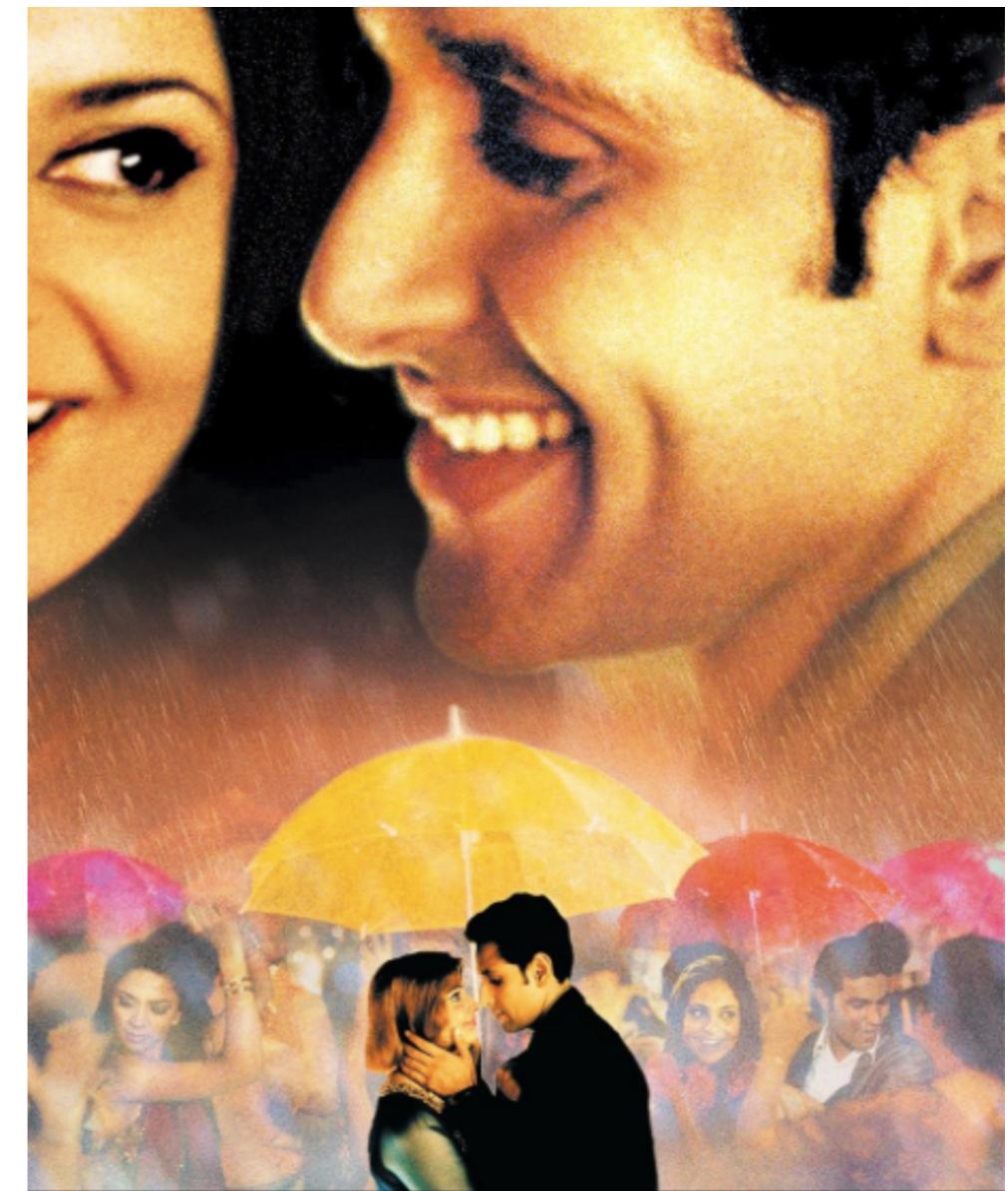
OLS: Includes All Features, No Outlier Datapoints



Lasso Says...

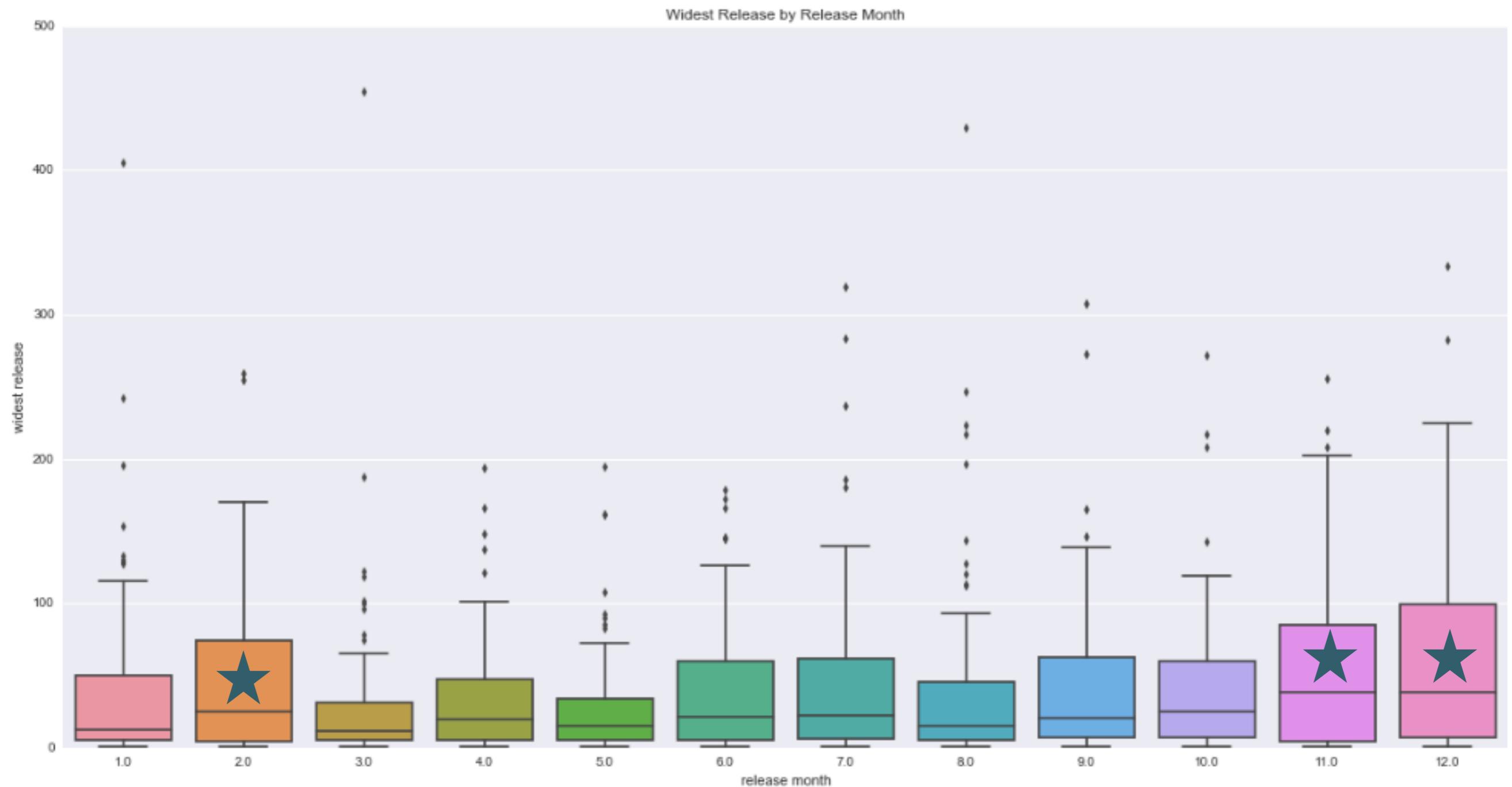
Features	Coefficients
India	56.27
Sony Classics	26.25
November	7.22
R	4.74
February	4.40
December	3.87
Eros	3.32
Music Box Films	2.91
October	1.11
Runtime	0.11
Other Distributor	-0.29
May	-0.32
Other Country	-0.59
April	-1.84
Japan	-2.30
Strand	-3.54
March	-5.07
Unrated	-22.80

Lasso Regression Cross-Validation R^2 Score = 0.31



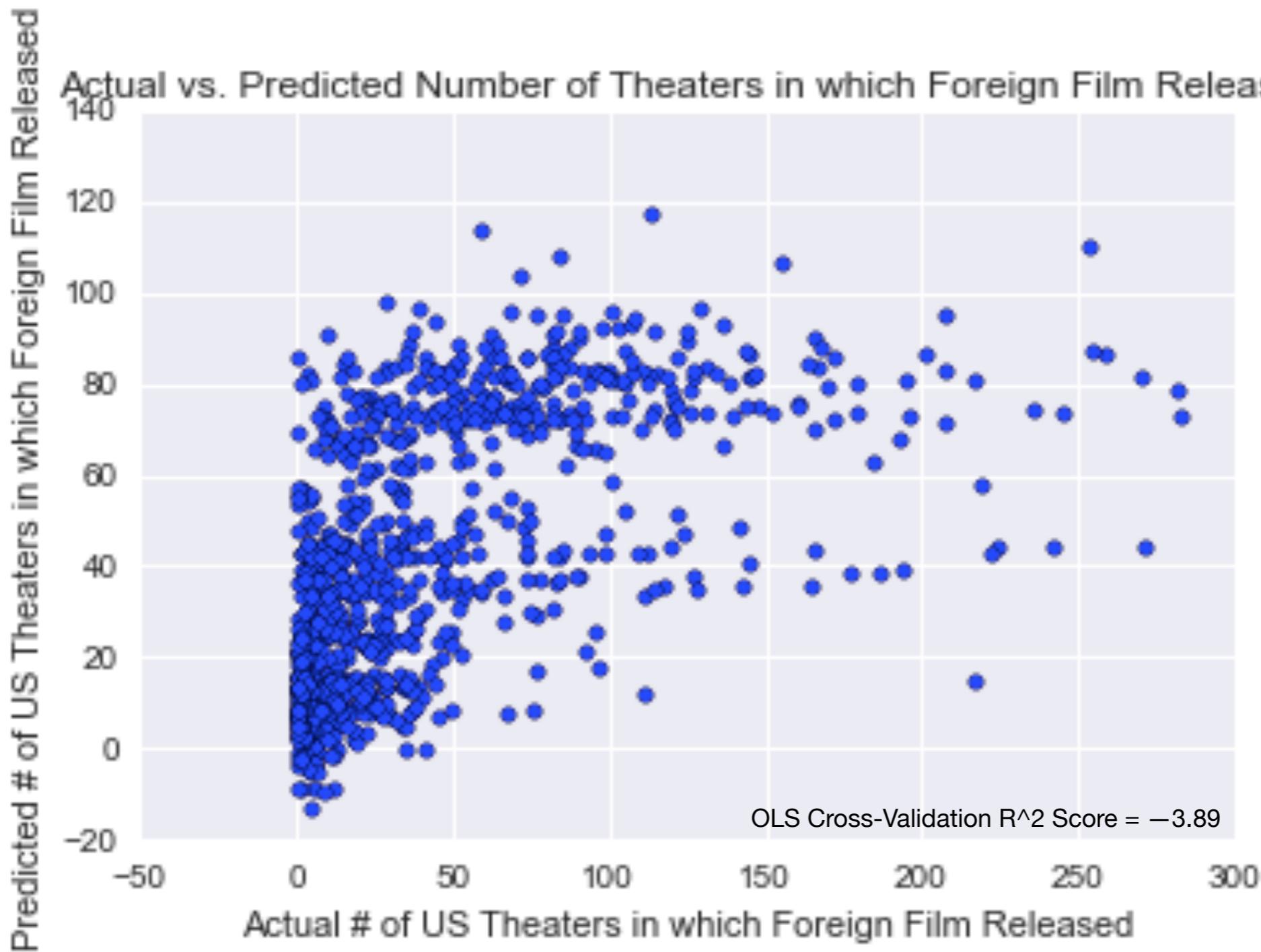
**Monsoon
Wedding**

Widest Release by Month



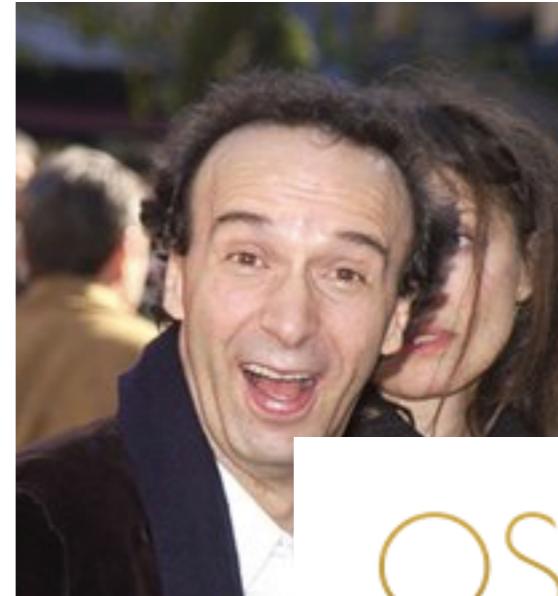
OLS:

Lasso Recommended Features, No Outlier Datapoints



Would like to test...

- Production budget
- Marketing budget
- Director
 - Number of films directed?
 - Former successes in the US?
- Actors
- Appeared at film festival?
- Oscar nominations!



OSCAR®
FOREIGN
LANGUAGE FILM

US Audiences “Abandoning” Foreign Language Films

- U.S. box office for the top five foreign-language films - declined by 61% in the years between 2007 and 2013
 - In 2007, the top five foreign-language releases together - \$38 million at the U.S. box office
 - In 2013 - \$15 million
- Foreign language born directors are fleeing for Hollywood and English-language filmmaking
- Fewer screens available for showing foreign language films because of steep competition from American independent films

