## **Project Details:**

- Goal: Predict the proportion of a movie's **total gross** that is from foreign revenue.
- Data: All data scraped from BoxOfficeMojo.com
- Dependent variable = foreign gross percent
- Features (as of today; more to come): Genre, Distributor, Runtime, MPAA Rating, Release Year, Production Budget.

The following two figures represent the OLS output and residual plot. The adjusted R^2 is 0.373. Per the residual plot, most of the data points are close to 0.

Figure 1. R^2 Output

Dep. Variable:	у	R-squared:	0.422
Model:	OLS	Adj. R-squared:	0.373
Method:	Least Squares	F-statistic:	8.645
Date:	Tue, 04 Oct 2016	Prob (F-statistic):	2.38E-79
Time:	18:19:26	Log-Likelihood:	-23802
No. Observations:	1182	AIC:	4.78E+04
Df Residuals:	1089	BIC:	4.83E+04
Df Model:	92		
Covariance Type:	nonrobust		

Figure 2. Residual Plot

