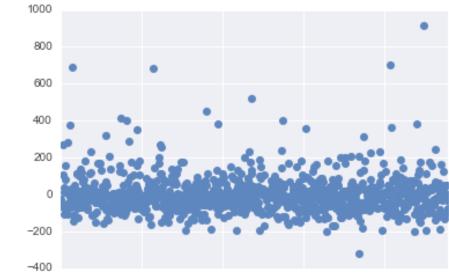
OLS Regression Results

Dep. Variable:	domestic_adj_gro ss)	R-squared:			0.401
Model:	О	OLS				Adj.	R-squ	0.397	
Method:	L	Least Squares				F-statistic:			90.78
Date:	Tue, 04 Oct 2016					Prob (F- statistic):			3.61e-101
Time:	18:37:21					Log-Likelihood:			-5808.1
No. Observations:	95	957				AIC:			1.163e+0 4
Df Residuals:	949					BIC:			1.167e+0 4
Df Model:	7	7							
Covariance Type:	nonrobust								
	coef		std err		t		P > t	[95.0% Conf. Int.]	
Intercept	1.304e+ 04		839.2 03		15.54 3		0.00	1.14e+04 1.47e+04	
production_bud get	0.7566		0.075		10.04 6		0.00	0.609 0.904	
genre_share	3.7236		0.979		3.804		0.00	1.803 5.644	
coded_mpaa	-27.6228		4.449		-6.208		0.00	-36.354 -18.891	
runtime_mins	1.6685		0.193		8.628		0.00	1.289 2.048	
year	-6.5059		0.418		- 15.55 2		0.00	-7.327 -5.685	
month	-0.8670		1.049		-0.827		0.40 9	-2.925 1.191	
day	-0.5398		0.414		-1.305		0.19 2	-1.352 0.272	
Omnibus:		571.21	4 Durb		b	in-Watson:			1.973
Prob(Omnibus):		0.000	Jarqı		qι	ıe-Bera (JB):			8046.054
Skew:		2.462		Prob(JB):					0.00
Kurtosis:		16.324		Cond. No.					4.97e+05

My model focuses on predicting domestic gross (adjusted to 2016 values) as a function of production budget, genre's market share, (coded) MPAA rating (recoded to reflect level of restriction, G = 1, R = 4), runtime minutes, year, month, and day.

This is only an initial fit (given the time constraint). Tomorrow, I plan on possibly dropping day, and splitting 'month' to separate indicator variables (or grouped by season).

Below is the residual plot, which shows that there is room for improvement, eventhough the residuals seem to be generally random and centered about zero.



Divine Secrets of the Ya-Ya Sist**ethroo**d Boyz N the HoodV for Vende**tta**e Legend of Tarzan title