

Apply Error on 25% of the Training Dataset

	Before		Error in Anime Type		After	
	MSE on test dataset	Var on test dataset	Pct of detected error as movie	Pct detected error as tv series	MSE	Var on test dataset
Lasso Without HP	1.13	-29.05	26.5625%	23.0625%	0.85	0.85
Lasso With HP	1.12	-29.05	26.5625%	23.0625%	0.12	0.12

Apply Error on 50% of the Training Dataset

	Before		Error in Anime Type		After	
	MSE on test dataset	Var on test dataset	Pct of detected error as movie	Pct detected error as tv series	MSE	Var on test dataset
Lasso Without HP	1.13	-27.79	26.125%	23.5%	0.89	0.84
Lasso With HP	1.12	-33.29	26.125%	23.5%	0.16	0.16

Apply Error on 75% of the Training Dataset

	Before		Error in Anime Type		After	
	MSE on test dataset	Var on test dataset	Pct of detected error as movie	Pct detected error as tv series	MSE	Var on test dataset
Lasso Without HP	1.14	-16.99	25.25%	22%	0.86	0.90
Lasso With HP	1.14	-16.99	25.25%	22%	0.14	-0.04