

Assignment2

Q4 Report

Regression with Lasso Regularization:

Alpha	Accuracy	Precision	Recall
0.01	0.701923076923	0.71206381338	0.701923076923
0.0000001	0.730769230769	0.743609022556	0.730769230769
0.11	0.658653846154	0.783602274918	0.658653846154

Regression with Ridge Regularization:

Alpha	Accuracy	Precision	Recall
0.0000001	0.73076923076	0.743609022556	0.730769230769
0.01	0.716346153846	0.727828224407	0.716346153846
0.11	0.701923076923	0.708927125506	0.701923076923

Regression with ElasticNet Regularization:

Alpha	Accuracy	Precision	Recall
0.0000001	0.73076923076	0.743609022556	0.73076923076
0.01	0.697115384615	0.705735492578	0.697115384615
0.15	0.6875	0.728684210526	0.6875

Normalised Linear regression gives

accuracy,precision,recall=0.730769230769,0.743609022556,0.743609022556