

Q4) The four regularizations are Lasso Ridge Elastic net No regularization

Lasso

alpha	accuracy
1	0.658653846154
0.1	0.634615384615
0.01	0.711538461538
0.00001	0.716346153846
0.0000001	0.716346153846
0.000000001	0.716346153846

Ridge

alpha	accuracy
1	0.6875
0.1	0.716346153846
0.01	0.711538461538
0.00001	0.716346153846
0.0000001	0.730769230769
0.000000001	0.730769230769

Elastic

alpha	accuracy
1	0.701923076923
0.1	0.615384615385
0.01	0.711538461538
0.00001	0.716346153846
0.0000001	0.716346153846
0.000000001	0.716346153846

No regularization

alpha	accuracy
1	0.697115384615
0.1	0.697115384615
0.01	0.697115384615
0.00001	0.697115384615
0.0000001	0.697115384615
0.000000001	0.697115384615