for most of my test

1.

than that of not including column ones is smaller than that of not including column ones. It is because column ones gives intercept to predictions y: wx+wo. However, the difference is rather small and could be ignored.

(d) Noive Bayes s'usecolumnones': True }

avg error: 25.214

Std error: 0.2539

Logistic Regression { stepsize : 0.05}

Avg error: 23.979

Std error: 0.4988

Neural Network { 'epochs': 1000. 'nh': 4 }

avg error: 23.204

5td error: 0.178

2

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(G) Kernal Logistic Regression s'centers': 40. 'stepsize': 201. 'bernal': Linear's avg error: 31.59 sed error: 1-33 The performance is worse than that of algorithms from Q1

66)

Random classifier: aug error: 50.30 std error: 0.173

clatters: 40. Hamming kernal: aug error: 485.94 std error: 1.3423

Hamming kernal logistic regression has lower aug error but

higher std error

Bonus (b)

arg error and std error are smaller using stratified-kfold since each fold has a good representative ve of the whole

Hillroy

Neural Network ( 'epahs': 1000. nh': 4)

avg emor: 22.224 std error: 0.201

Noive Bayes ( 'usecolumnones': true)

avg orror: 25.013 std error: 0.247

vogistic Regresson ( stepsine : 0.05)

avg orror: 23.96 std error: 0.359

Helicoy