

CS771- Assignment 2

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1)

Standard formulation

Batch number 0 as the test data the accuracy is: 0.8454

Batch number 1 as the test data the accuracy is: 0.8687

Batch number 2 as the test data the accuracy is: 0.8618

Batch number 3 as the test data the accuracy is: 0.8636

Batch number 4 as the test data the accuracy is: 0.8653

Hinge Loss

Batch number 0 as the test data the accuracy is: 0.9674

Batch number 1 as the test data the accuracy is: 0.9983

Batch number 2 as the test data the accuracy is: 0.9845

Batch number 3 as the test data the accuracy is: 0.9896

Batch number 4 as the test data the accuracy is: 0.9827

Standard formulation Average: 0.8609

Hinge Loss Average: 0.9845

2)

One versers One

Batch number 0 Accuracy: 0.76412

Batch number 1 Accuracy: 0.81807

Batch number 2 Accuracy: 0.71904

Batch number 3 Accuracy: 0.77078

Batch number 4 Accuracy: 0.67296

One versers Rest

Batch number 0 Accuracy: 0.76101

Batch number 1 Accuracy: 0.80490

Batch number 2 Accuracy: 0.71512

Batch number 3 Accuracy: 0.76804

Batch number 4 Accuracy: 0.65349

One versers One Average: 0.7489

One versers Rest Average: 0.7405