

ROB537: HW1

Ammar Kothari

September 30, 2017

1 Question 1

1.1 Part A

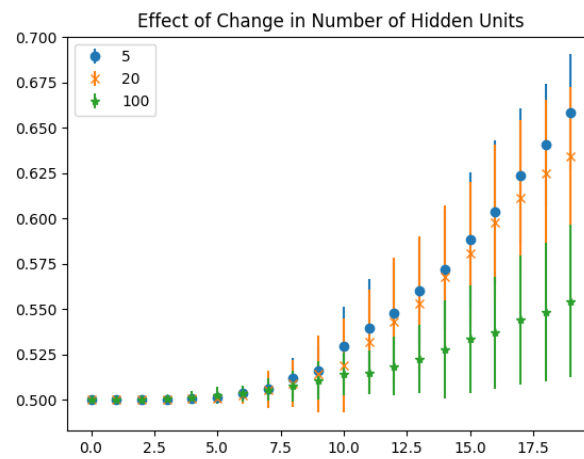


Figure 1: Effect of changing number of hidden units

1.2 Part B

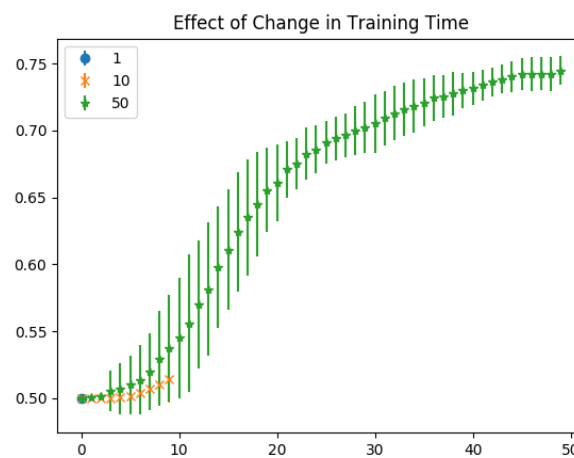


Figure 2: Effect of changing training time

1.3 Part C

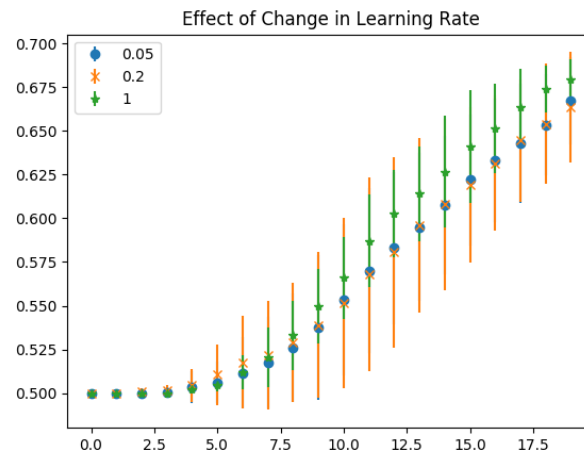


Figure 3: Effect of changing learning rate

1.4 Part E

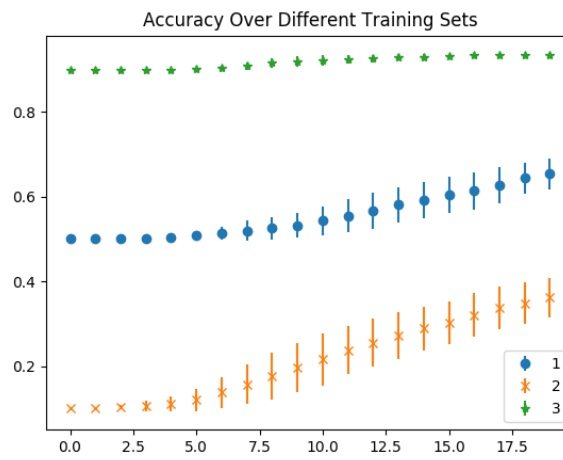


Figure 4: Effect of classifier on different test data sets

2 Question 2

2.1 Part A

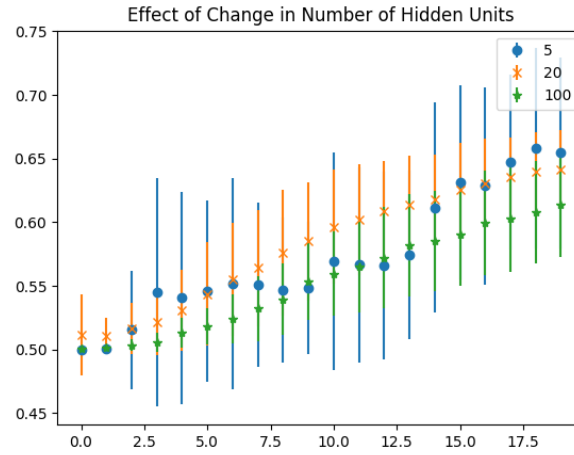


Figure 5: Effect of changing number of hidden units

2.2 Part B

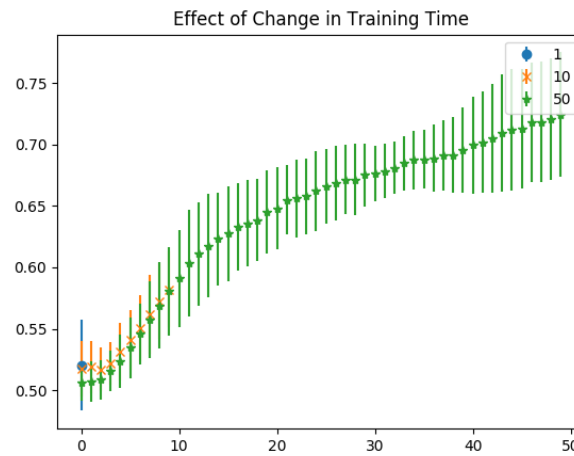


Figure 6: Effect of changing training time

2.3 Part C

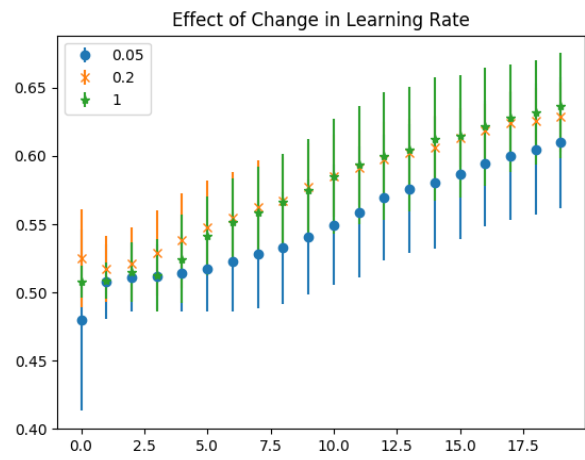


Figure 7: Effect of changing learning rate

2.4 Part E

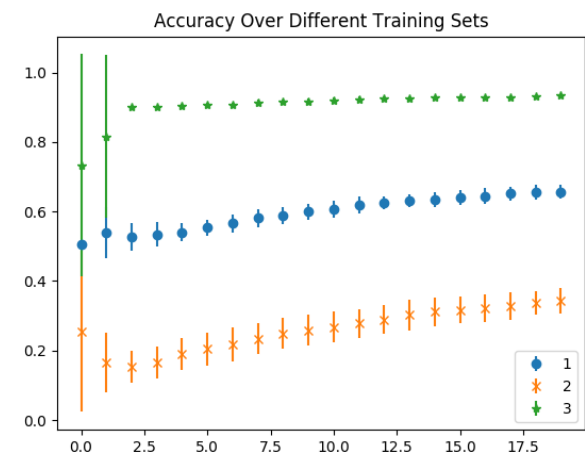


Figure 8: Effect of classifier on different test data sets