CSC311 A3 Printed Outputs

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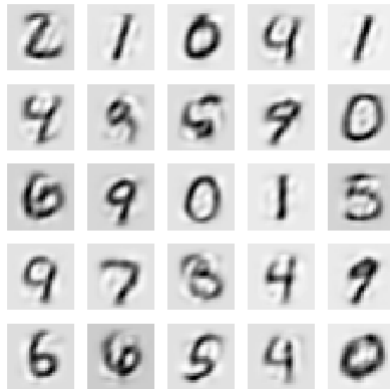
Dec 8 2020

Question 1(a)
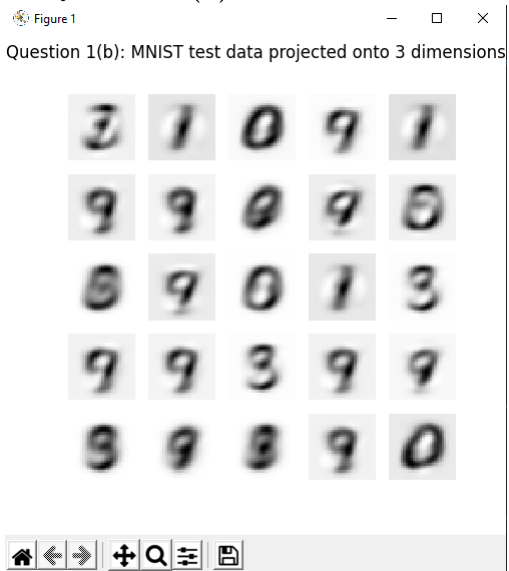
Figure 1

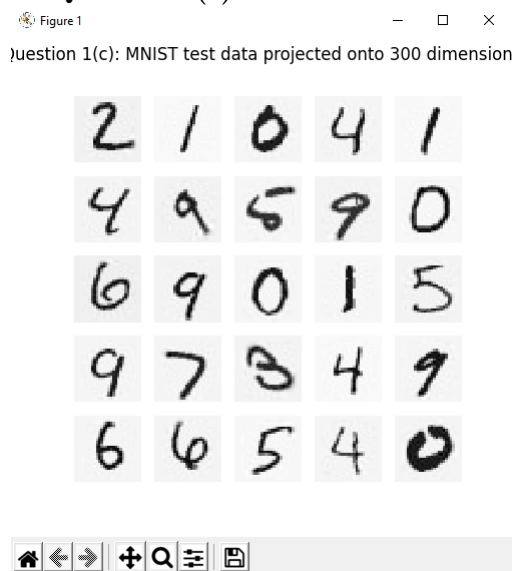Question 1(a): MNIST test data projected onto 30 dimensions

Question 1(b)

Figure 1

Question 1(b): MNIST test data projected onto 3 dimensions

Question 1(c)

Figure 1

Question 1(c): MNIST test data projected onto 300 dimension
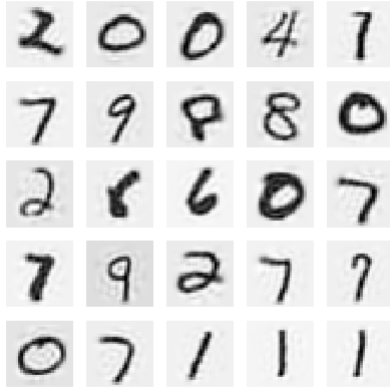
Question 1(f)

Figure 1 — □ ×

estion 1(f): MNIST data projected onto 100 dimensions (min
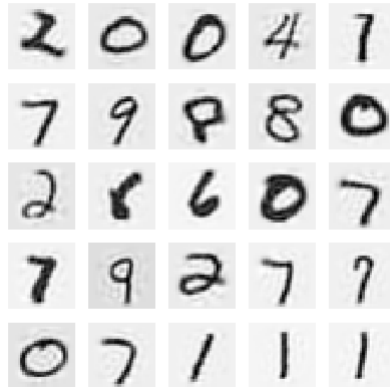

Question 1(f)

Figure 2 — □ ×

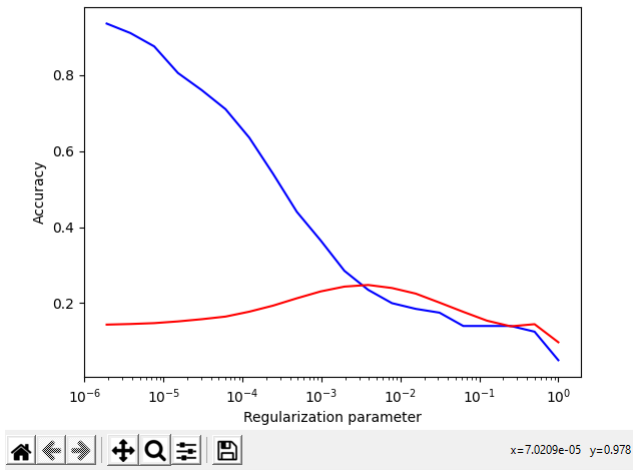estion 1(f): MNIST data projected onto 100 dimensions (sklea

Question 2(b)

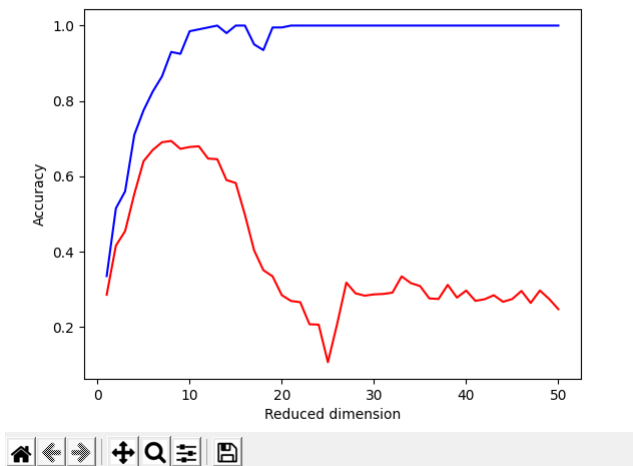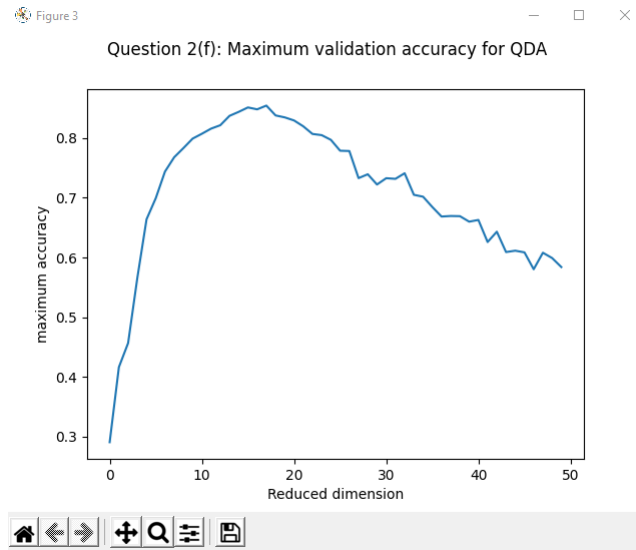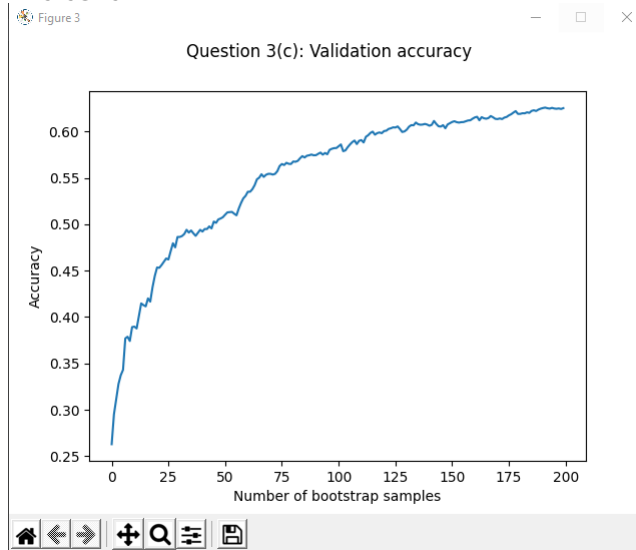Question 2(b): Training and Validation Accuracy for Regularized QDA

Question 2(d)

Question 2(d): Training and Validation Accuracy for PCA + QDA

Question 2(f)

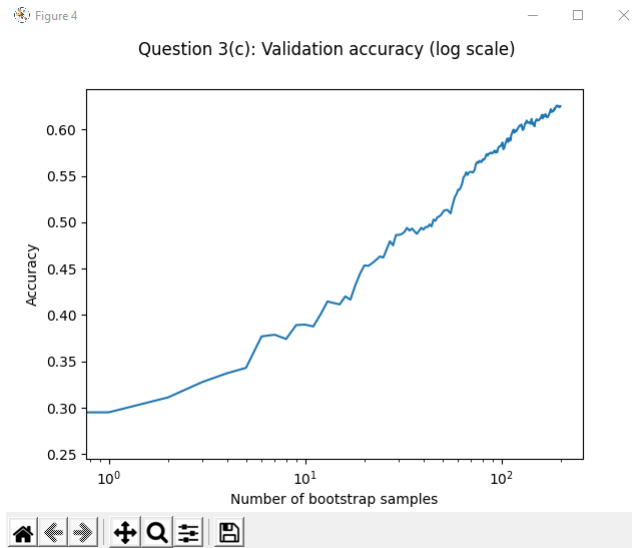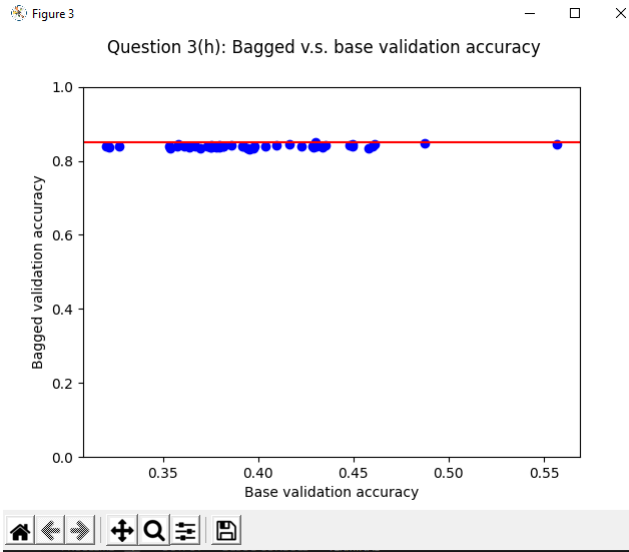Question 2(f): Maximum validation accuracy for QDA

Question 3(c) RAN AT 200 POINTS BECAUSE OF MEMORY ERROR

Question 3(c): Validation accuracy

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Question 3(c) RAN AT 200 POINTS BECAUSE OF MEMORY ERROR

Figure 4 — □ ✕

Question 3(c): Validation accuracy (log scale)

Question 3(g)

Figure 3 — □ ✕

Question 3(g): Bagged v.s. base validation accuracy

x=0.095 y=0.815

Question 3(h)

Question 3(h): Bagged v.s. base validation accuracy

Question 4(b)

Question 4(b): K means