CS498 AML, AMO HW4 Report

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TOTAL POINTS

75 / 75

QUESTION 1

1 Plot of Mean Images 10 / 10

- √ 0 pts Correct
 - 10 pts Incorrect
 - **5 pts** Partially incorrect

- 10 pts 2 days late
- 15 pts 3 days late
- 20 pts 4 days late
- 25 pts 5 days late
- 20 pts 6+ days late

QUESTION 2

2 Plot Error vs. Class after 20-PCA 15 / 15

- √ 0 pts Correct
 - 15 pts Incorrect

QUESTION 3

3 2-D Scatter Plot for Part B 25 / 25

- √ 0 pts Correct
 - 0 pts Points are unlabelled
 - 0 pts Points are labelled with class indices instead

of names

- 5 pts Scales are wrong indicating improper MDS
- 1 pts Labels are incorrect
- 5 pts Points are improperly separated
- 0 pts Click here to replace this description.
- 25 pts No submission

QUESTION 4

4 2-D scatter plot for Part C 25 / 25

- √ 0 pts Correct
 - 0 pts Labels missing
 - 0 pts Labels incorrect or labelled with class indices
 - 5 pts Scale is wrong because MDS procedure was

incorrect or points are improperly separated

- 25 pts No Submission

QUESTION 5

5 Late Submission o/o

- √ 0 pts Correct
 - 5 pts 1 day late

A plot of the mean image for each class

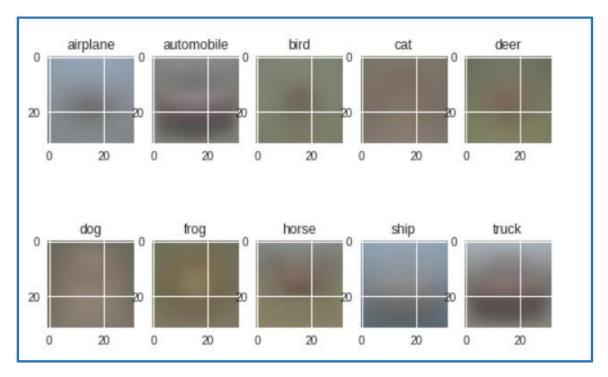


Image With Axis

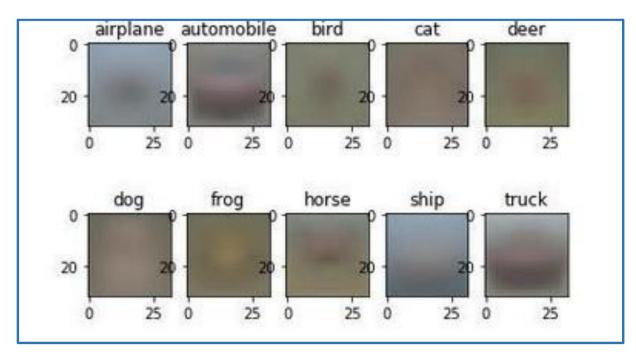
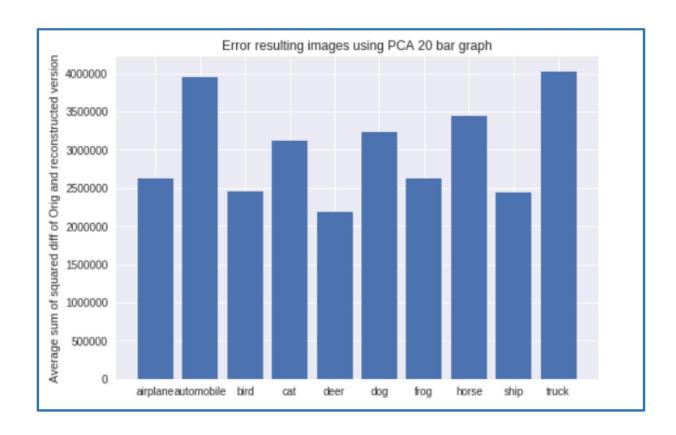
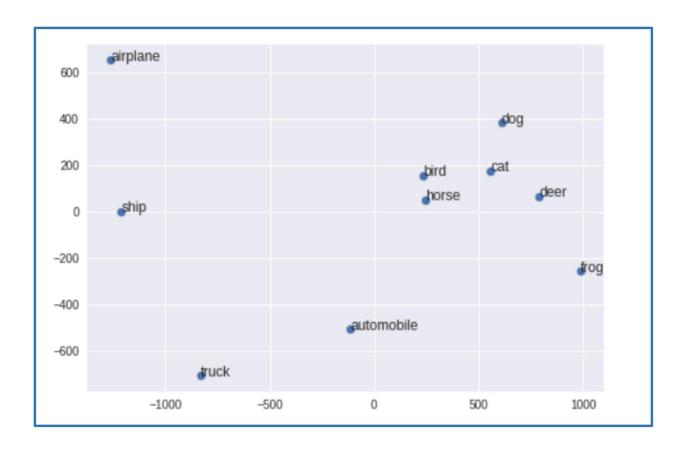


Image Without Axis

A plot of the average sum of squared pixel-wise difference between the reconstructed and original images of each class as a bar graph vs. the class label



The 2D scatter plot obtained after performing principal coordinate analysis using euclidean distance.



The 2D scatter plot obtained after performing principal coordinate analysis using the similarity metric in part C.

