

1 Part 1

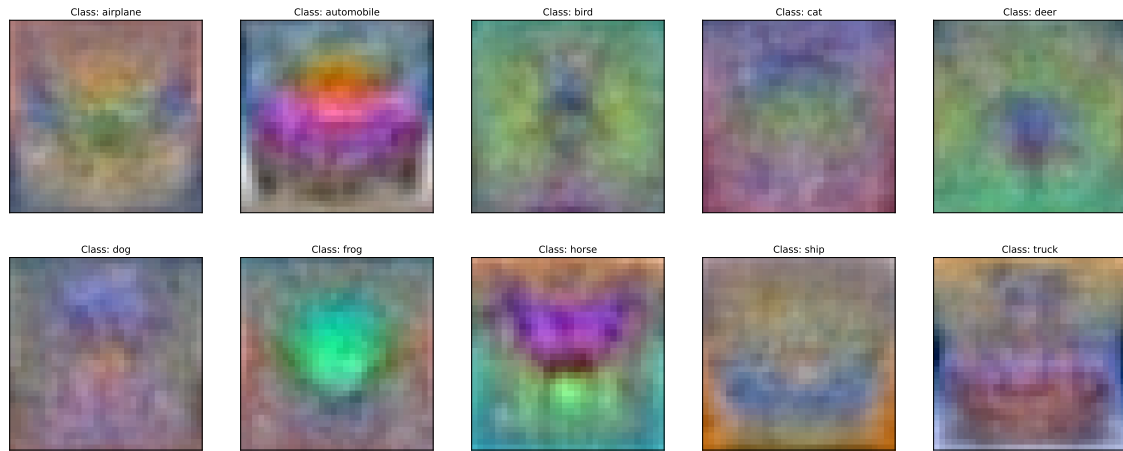


Figure 1: Weights matrix W_1 as 10 images

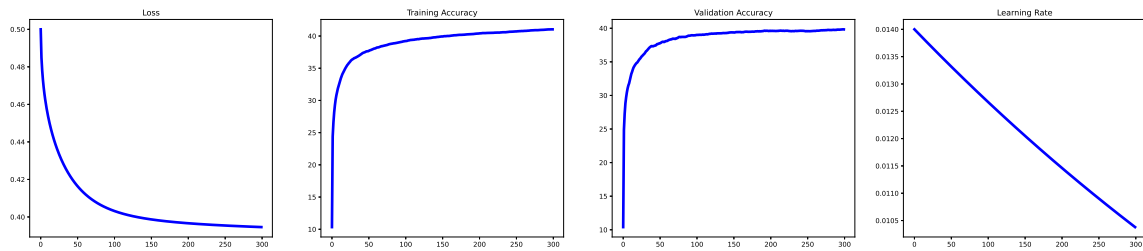


Figure 2: Loss, Training Accuracy, Validation Accuracy and Learning Rate of the Linear Classifier with each iteration: for 300 epochs

2 Part 2

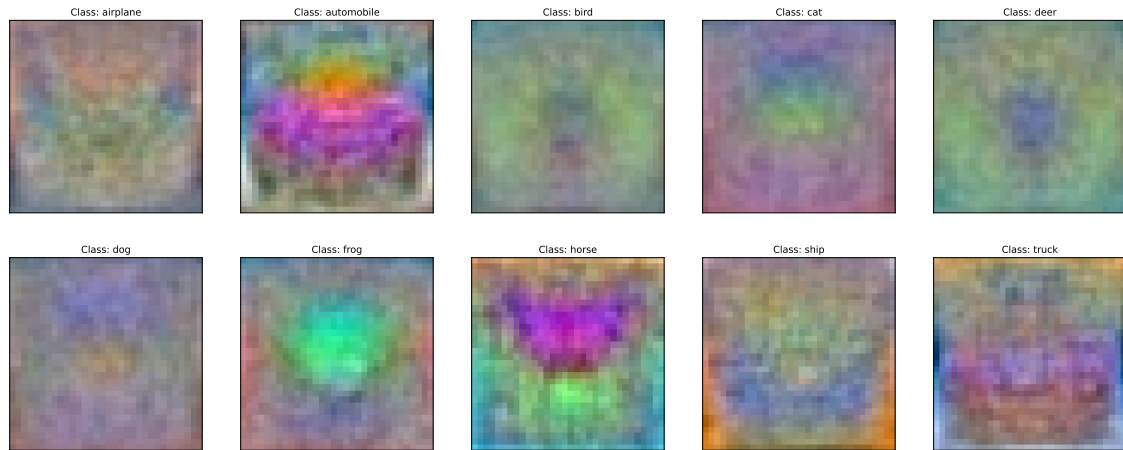


Figure 3: Weights matrix W_1 as 10 images

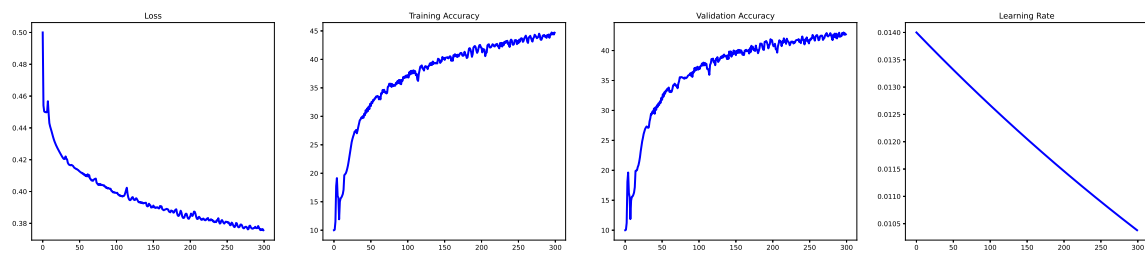


Figure 4: Loss, Training Accuracy, Validation Accuracy and Learning Rate of the Linear Classifier with each iteration: for 300 epochs

3 Part 3

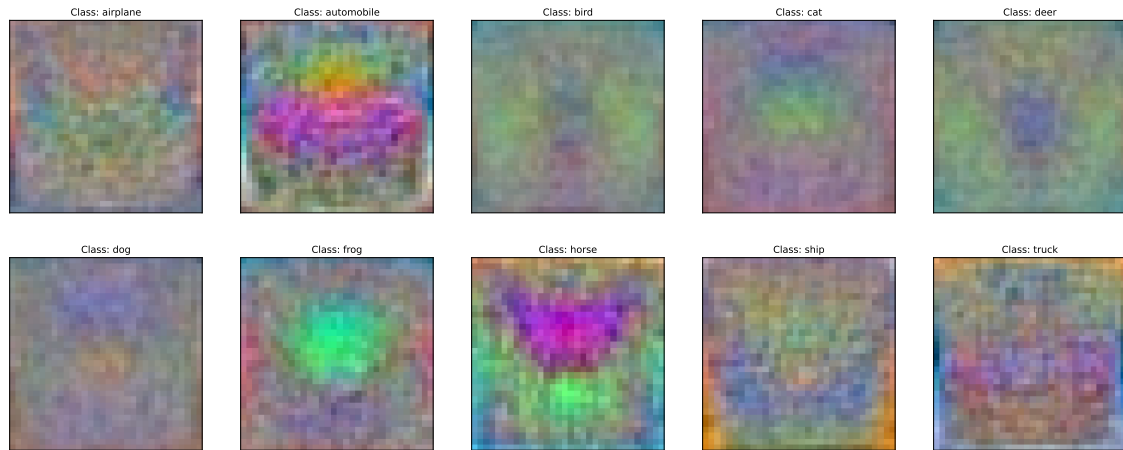


Figure 5: Weights matrix W_1 as 10 images

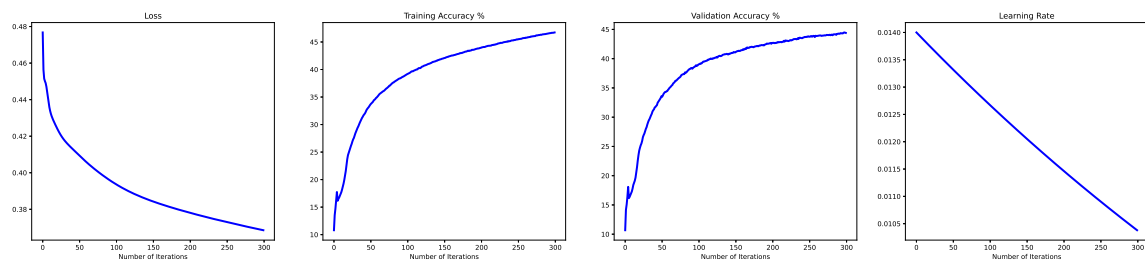


Figure 6: Loss, Training Accuracy, Validation Accuracy and Learning Rate of the Linear Classifier with each iteration: for 300 epochs