Assignment Rubric: Data Science Lab 10 Machine Learning with SKLearn

Question Number	Total Points	Deductions:
1	10	-1: They don't attempt to answer how K-Means works (If they attempt give them full credit) -1: They don't attempt to answer how DBScan works (If they attempt give them full credit) -1: If they don't have a combination of ML algorithm & dataset, mark them off 1 point (total of 9 points off) Max deductions: 10 points
2	5	-1.667: They don't predict clusters of iris dataset using the KMeans algorithm -1.667: They don't create a plot using the X_reduced. -1.667: They don't comment on their observations. Max deductions: 5 points
3	5	-1.667: They don't split the dataset using the train_test_split function. -1.667: They don't report the number of samples in the train set. -1.667: They don't report the number of samples in the test set. Max deductions: 5 points
4	5	-1: They don't train the K-Nearest Neighbors on the dataset -1: They don't perform a grid search over the parameter n_neighbors -1: They don't fit a KNN for each value of n_neighbors -1: They don't create a plot showing the test/train accuracy over the n_neighbors -1: They don't report the train and test accuracy when the n_neighbors parameter is 5 -1: They don't discuss what they learn. Max deductions: 5 points

Total Points: 25