

5358 HW #6

1. Apply K-means clustering to the Fisher iris data.
 - (a) Comment on the effects of the choice of initialization on the final result. For example, is it better to place the initializations close together in the middle of the space, far away or somewhere else? How useful is your approach?
 - (b) What initialization(s) give you the best result?
2. Choose one of the three Fisher irises and train a novelty filter.
 - (a) Does an autoencoder allow reduction of dimensionality of your class below four?
 - (b) How does your novelty filter work on the all of the Fisher iris data?