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EECS 658

Assignment 6

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Question Answers

* Part 1 Question 1: According to your results (I.e., elbow\_k), are there 3 species of iris represented in the iris data set?
  + Yes, my results indicate that elbow\_k is equal to 3. I calculate k algorithmically by comparing the value with a percentile method that gets called on the reconstruction error array.
* Part 2 Question 2a: According to your AIC results (I.e., aic\_elbow\_k), are there 3 species of iris represented in the iris data set?
  + No, my AIC results were skewed due to an error graphing. However, the model was still able to give a somewhat accurate prediction based on the accuracy.
* Part 2 Question 2b: According to your BIC results (I.e., bic\_elbow\_k), are there 3 species of iris represented in the iris data set?
  + According to my BIC results, there is only 1 species; however, my model accurately predicted 3 species according to the confusion matrix.