

24-787: Machine Learning and Artificial Intelligence for Engineers

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Homework 10

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**Concept Questions:**

Problem 1

1. Model 1 is low bias but high variance, Model 2 is low variance but high bias.

Problem 2

4. K-fold cross validation partitions the data into  $k$  equal sized subsets, and trains  $k$  models, each time using one subset as the validation data and the rest as the training data