

CS 559: Quiz 3

NAME:

Problem 1. (True or False)

- As the model complexity increases, the training errors tend to decrease.
- As the model complexity increases, the test errors tend to decrease.
- MAP is a non-parametric approach for parameter estimation.
- K-NN is a non-parametric approach.
- Histogram estimation is a non-parametric method.
- Histogram estimation requires no human-set parameters.
- PCA aims to maximize the reconstruction errors by projecting higher-dimension data to a lower-dimension ones.
- PCA can be treated as a subspace-selection approach.
- 1-NN and 3-NN always yield the same result.