

Q1-Bayes Classifier / Missing Values

- A) **Bayesian Classifier:** Apply Bayesian classifier for all different settings of given covariance matrix and compare results:
- All classes reside on a single diagonal COV
 - Each class on a separate diagonal COV
 - All classes on a single common COV
 - Each class on a dedicated COV
- B) **Predicting the Missing Value:** Consider the strongest property. Randomly delete values of such property at 5%, 10%, 15%, 20% and 25% rate respectively. Then Learn a Regressor and use it to estimate deleted values. Reapply Bayesian classifier by replacing missing values with estimated values. Compare results.