In this project you will implement a Minimum Risk Bayes Theoretic classifier. Train the classifier using the training set and determine the classification accuracy using the validation set.

Assume the following:

- All conditional density functions are multivariate Gaussian
- Each class has its own covariance matrix
- Equally likely prior probabilities
- 0-1 loss function

Submit your *iPython* code.

Discussing this project with other students is highly recommended but you have to submit your own solution.