Implementation detail

- > SVM
- > SVM (kernel = rbf, degree = 3, gamma = scale, random state = 1, probability = True)
- Logistic regression
 - ➤ LogisticRegression (penalty = L2,max_iter = 100, random state = 1)
- ➤ Decision Tree
 - > DecisionTreeClassifier(splitter = best, max depth = 3, criterion = gini, min samples split = 2, min samples leaf = 1)
- ➤ Voting classifier
 - VotingClassifier(estimators ,voting = 'soft')
- ➤ Bagging Classifier
 - BaggingClassifier(LogisticRegression(random_state=1),n_estimators=100,max_samples 0.75, bootstrap = True, random_state=1,n_jobs = 1)
- ➤ A low correlation between ensemble model members will increase the error correcting capability of the model.
- Ensemble reduces the risk of overfitting