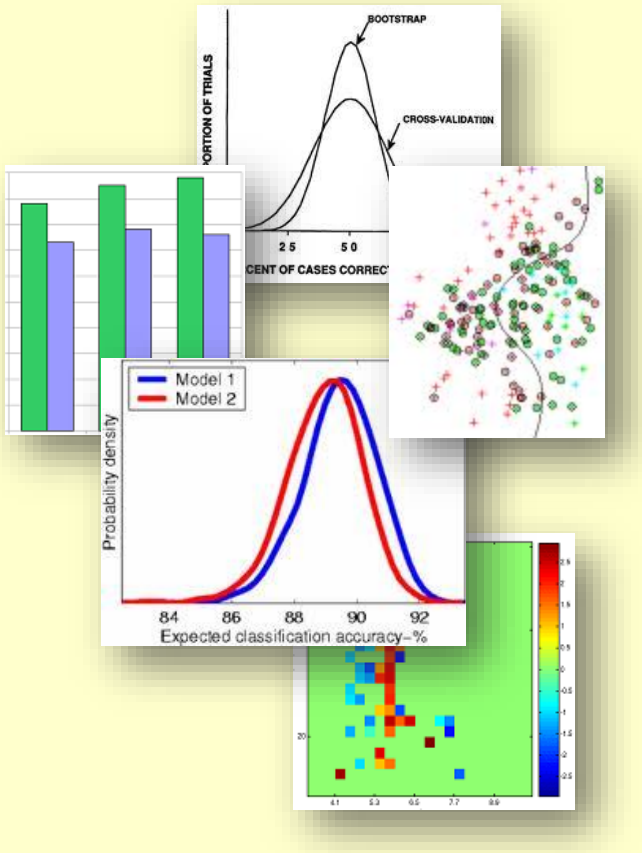


[Assignment]

Validation Model of Classification Analysis

Ali Ridho Barakbah

Intelligent Knowledge Creation (iKnow) Research Group
Department of Information and Computer Engineering
Politeknik Elektronika Negeri Surabaya

Assignment



Iris Flower

Iris Setosa



Iris Versicolor



Iris Virginica



- Case : Classification of Iris flower
- Source : UCI Repository
- Number of attributes : 4
- Number of instances : 150
- Number of classes : 3
  - Iris Setosa (50 instances)
  - Iris Versicolour (50 instances)
  - Iris Virginica (50 instances)

- Make performance analysis for Iris dataset with validation model:
  - Holdout method
  - K-fold cross validation
  - Leave-one-out cross validation
- Classify the testing data using k-NN (k=5) and calculate the error ratio.
- How many percent of the average error ratio for each validation model?