Slippery Rock University

Naive Bayes Classifier Backend and Frontend Technical Manual

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Data Mining - CPSC 405

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Section 4: Changing Input and Output File Locations

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Section 5: Console Output

Output Breakdown

* Breakdown of the output and function order of the main class with descriptions of what nonprinting function class do in the next section
  + Strings for the input and output excel files to be used
  + Do the import of the input excel file
  + Generate the training data
  + Notify use training data has been generated and print both the training and testing data
  + Generate the model (Likelihood of all the possible values of each attribute)
  + Inform use model has been generated and print the possible classifications and the model
  + Classify everything in the testing data
  + Inform user the guessed classifications have been generated and print of the guessed and acutal classifications
  + Export results to output excel file
* Output symbols mean the following
  + ::
    - Label was printed and this group of data listed belongs to it
  + :
    - Next data point for this grouping
  + ,
    - New group of data
  + [
    - Start of new dimension of data
  + ]
    - end of dimension of data