Machine Learning – UE22CS352A

Naive Bayes Classifier – Lab

Instructor Guidelines

- Students must read the *instructions.pdf* to understand the goal and requirements of this lab.
- Students must implement the *naïve_bayes_SRN.py*. Note that the students must rename it in the naming convention given.
- When students are renaming the naïve_bayes_SRN.py with their actual SRN, they are supposed to change the import statement in the *naïve_bayes_test.py* as well.
- Students are not supposed to make any changes to the functions given in the boiler plate code.
- The code will be evaluated based on hidden test cases as well. Instructors are given the *naïve_bayes_hidden_test.py* containing a few hidden test cases. This file should NOT be shared with the students. The evaluation should be done based on the number of test cases passed in both *naïve_bayes_test.py* and *naïve_bayes_hidden_test.py*
- All required libraires have been imported, students need not have to worry about any other libraries that are required to complete this lab.
- It is best to advice the students to use aggregate functions like *unique(), sum()* and *log()* functions from numpy for implementation purposes.
- Execution command for Instructors:

  python run_script.py
- Execution command for Students:

  python naïve_bayes_test.py