Week 10 Naive Bayes Code Review Rubric

This rubric is a set of guidelines on what we are looking for in each area. The check boxes should not be thought of as points of equal weight but topics to think of when working on your assignment.

Scaling Factor

All assignments will have the following scaling factors. These will be applied to the final grade for the assignment rather then on each section.

- Lose 25% for each day late
- Final score will be scaled by proportion of work complete
- Lose Percentage of material taken from sources if over 25% not counting recommended libraries

1 Language Appropriate Design (15%)
☐ Use of language system libraries
☐ Program structure takes advantage of the language features
☐ Appropriate use of operator overloading
☐ Appropriate use of .h and .cpp files to organize code

2 Overall Design (15%)
☐ Solution approach is well thought out
☐ Code is logically organized
☐ Avoids unnecessary repetition ("Don't repeat yourself")

3 Object Decomposition (15%)
☐ the purpose of each class/object is clear and well thought out
☐ classes have good cohesion (related things together) and loose coupling (unrelated things separated)
☐ classes are at the appropriate granularity (not too big and not too small)

4 Variables, and Expressions (10%)
☐ expressions appropriately manage complexity
☐ variable scope is minimized and avoids unnecessary use of global data
☐ avoids unnecessary variables (control flow variables, temporaries, etc.)
☐ avoids unnecessary repetition ("Don't repeat yourself", extract variables)

5 Automatic Testing (20%)
☐ Important classes of inputs are tested (valid, invalid/errors, boundary)
☐ Tests well documented through naming (or comments if necessary)
☐ Tests are well-organized (logical grouping/order, generally one assertion per test)

6 Process (15%)
☐ Code was checked-in periodically/progressively in logical chunks
☐ Meaningful commit messages
☐ Correct use of .gitignore to not include data files in the repo

7 Presentation (10%)
☐ Arrived on time will all necessary materials and ready to go
☐ Good selection of topics to focus on and logical order of presentation
☐ Appropriate pacing and engagement of the fellow students
☐ Presenting the results of the evaluation of you classifier (the confusion matrix)