DTS201 coursework supplementary instruction

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1 Clarify

1.1 Marking table 2

"Clean code without bugs, commented."
It says the code should be commented, and without bugs.

2 Define

2.1 Different models

- If you chose Bayes classifier, the models with different density/pdf estimation methods are considered as different.
- Discriminative models with different parameters won't be considered as different. For example, you use *svm* with different kernels won't be considered as different.

2.2 Reference

- (+) If you refer to the whole project from any resources, it should be cited with reference.
- (+) If you use neural networks of other's design, it should be cited with reference.
- In terms of online resources about how to implement an **algorithm(it means classifier, model)** :

  (+) 1. You copy and paste, simply changed the name of the variables (this can be observed, because others are doing the same), it should be cited with reference.

  (-) 2. You learned and then carry it out afterwards (there must be some difference I believe since the algorithm's implementation includes whole block of codes), and this does NOT need to be cited with reference.
- (-) If you learn from online resources about how to load the data, how to plot the figure, how to do pre-processing, and other simple functions, this is NOT required to cite with reference.
- (-) **You are free to use any library**. And you do **NOT** need to write it in the reference.
- (-) You are free to use the codes in the exercise, reference is unnecessary.

2.3 Original work

- If you use some neural networks and adjust the structure or tune the parameter, and the new model has much better performance than the original one, it can be considered as your contribution/original work.
- You implement the model(classifier) by yourself instead of using the function in the library, this is considered as your original work and get 3 marks according to the marking scheme. (For those who use libraries won't get 3 marks, but there won't be any problem by using the libraries.)