UDACITY Logout

PROJECT

Capstone Proposal

A part of the Machine Learning Engineer Nanodegree Program

PROJECT REVIEW | CODE REVIEW | NOTES

Meets Specifications

SHARE YOUR ACCOMPLISHMENT

Dear Udacian,

Your proposal seems perfect right now to start working on the project.

Your idea seems solid and I think you are doing well. But here are some suggestions, so that you can easily pass the requirements in the final report.

Some suggestion for the final submission of the report:

- When you add figures in your report please follow this link to add them appropriately. (http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWtablefigs.html)
- Please provide good discussion on your chosen algorithms.
- Please provide good description of your loss with associate equations.
- Please include necessary comments in your code. Try to create different python scripts for your functions and Classes, then import them to jupyter notebook for using.
- Provide doc-string for every class and function you write (At least one line, defining what is the purpose of that class or function).
- When you grid search for parameters, please show them in the report. Provide good discussion of your chosen parameters.
- In the result section please provide ideal discussion on your model's performance through comparing your models.

Good luck!

Project Proposal

Student briefly details background information of the domain from which the project is proposed. Historical information relevant to the project should be included. It should be clear how or why a problem in the domain can or should be solved. Related academic research should be appropriately cited. A discussion of the student's personal motivation for investigating a particular problem in the domain is encouraged but not required.

Awesome:

- Very good overview is provided.
- Necessary citations are presented.

Student clearly describes the problem that is to be solved. The problem is well defined and has at least one relevant potential solution. Additionally, the problem is quantifiable, measurable, and replicable.

Awesome:

- Your problem is clearly defined.
- Nice to see that in addition to prediction, you will be working on the hypothesis.

The dataset(s) and/or input(s) to be used in the project are thoroughly described. Information such as how the dataset or input is (was) obtained, and the characteristics of the dataset or input, should be included. It should be clear how the dataset(s) or input(s) will be used in the project and whether their use is appropriate given the context of the problem.

Awesome:

- You have chosen a very good dataset here.

Student clearly describes a solution to the problem. The solution is applicable to the project domain and appropriate for the dataset(s) or input(s) given. Additionally, the solution is quantifiable, measurable, and replicable.

Awesome:

- Your solution statement seems good to me.

A benchmark model is provided that relates to the domain, problem statement, and intended solution. Ideally, the student's benchmark model provides context for existing methods or known information in the domain and problem given, which can then be objectively compared to the student's solution. The benchmark model is clearly defined and measurable.

Awesome:

- You have selected a reasonable benchmark here but it would be nice if you could select another model as your benchmark.

Student proposes at least one evaluation metric that can be used to quantify the performance of both the benchmark model and the solution model presented. The evaluation metric(s) proposed are appropriate given the context of the data, the problem statement, and the

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