

PROJECT

Capstone Proposal

A part of the Machine Learning Engineer Nanodegree Program

PROJECT REVIEW

CODE REVIEW

NOTES

Meets Specifications

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Greetings Student,

This proposal is simply excellent. I am looking forward to seeing this work implemented in Part 2. I encourage you to work in this way and continue with the professional spirit. You have a good analysis of the problem and I think you will be comfortable to implement this work and the second part will be perfect as this submission. Thanks and 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.

- Excellent job with the Domain Background.
- A great job was made in providing a thorough overview of the project.
- This is one of the most interesting topics I have come across!

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.

The description of the problem that is to be solved is quantifiable, measurable, and replicable.

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! Important discussion on the environment is presented here.

Rate this review

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.

Magnificent! The discussion provided in the solution statement is very good.

Suggestions:

I suggest you this great post about Data Exploration with Python.

- <http://blog.districtdatalabs.com/data-exploration-with-python-3>

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.

The benchmark you selected seems good to me.

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 intended solution.

Excellent job with the evaluation metric.

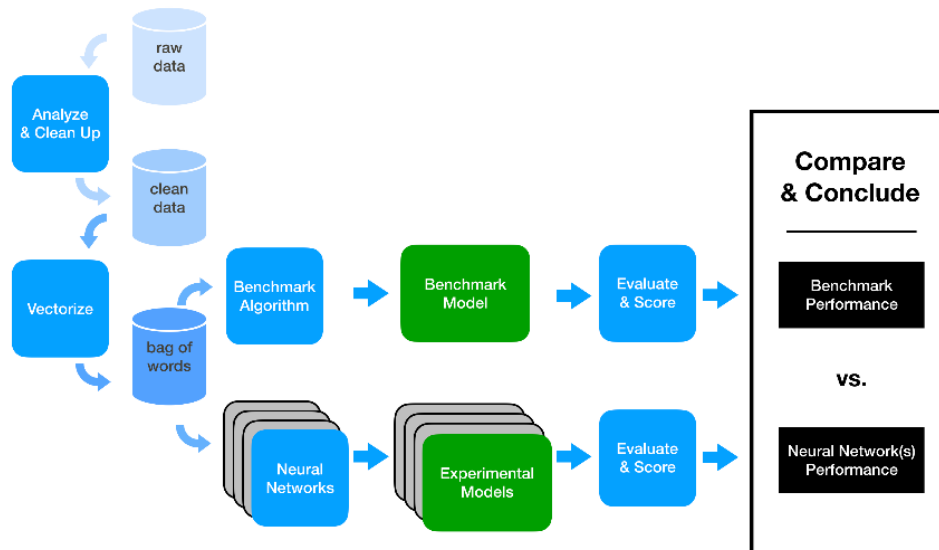
Tips

Some methods to evaluate the performance of an agent.

- [Credit Scoring Using Machine Learning](#);
- [Predictive Model Evaluation for PHM](#);
- [The evaluation of classification models for credit scoring](#).

Student summarizes a theoretical workflow for approaching a solution given the problem. Discussion is made as to what strategies may be employed, what analysis of the data might be required, or which algorithms will be considered. The workflow and discussion provided align with the qualities of the project. Small visualizations, pseudocode, or diagrams are encouraged but not required.

Good job! Good summary and relevant discussions are presented.



Proposal follows a well-organized structure and would be readily understood by its intended audience. Each section is written in a clear, concise and specific manner. Few grammatical and spelling mistakes are present. All resources used and referenced are properly cited.

- The report is clear, well organized, readable, and easy to understand.
- Some references are provided in the report.

Awesome work is done here.

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