UDACITY

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Capstone Proposal

REVIEW | HISTORY

Meets Specifications

Bright Learner,
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!

If you liked this review, can you please do well rate it from the star ratings :) Also, can you tell me the biggest challenge you faced in finishing this project? I will be very gladly to hear about your thoughts :) Thanks in advance!

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!

Suggestions and Comments

- It will also be good to provide your personal motivation for this topic in order to better attract your reader.
- Please also search for and reference any academic works in which a similar work was done

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 regression problem that is to be solved is quantifiable, measurable, and replicable.

Suggestions and Comments:

Can you clearly state what machine learning techniques will be used in getting the problem mentioned here solved. Stating this clearly would make your work more mind blowing and catchy.

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.

A great improvement was made here. You made a thorough description of the dataset to use in the project.

Suggestions and Comments:

Please you might as well provide some information on the following:

- What is the exact date range you will you use for this problem. When will it start? When will it end?

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. Also, the techniques that will be used are all indicated.

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.

Suggestions and Comments

Some notes for you are given below:

- The reason for a choice of a benchmark model is to help us evaluate at the end of the work whether or not we have done any reasonable and acceptable improvement to the problem.
- It is often advised that as a beginner you chose a benchmark model you are more likely to obtain better results than after running your own model. This will make the essence of a benchmark model and machine learning as a whole clearer to you.
- It is also necessary that both the benchmark model and the model you build work on the same dataset. This places both models on a common ground for evaluation.

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.

You are on the right track, the metric is clearly defined and a justification was provided.

Suggestions and Comments

- Here is a good link on Choosing the Right Metric for Evaluating Machine Learning Models. It can help you confirm if you are on the right path with your chosen metric.
- Have a look too at Metrics to Evaluate your Machine Learning Algorithm, you might find interesting.

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.

A good strategy was conducted to approach the solution in the report. The steps that you'll take during pre-processing are well justified. Nice job!

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.
	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.

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Student FAQ