

Meets Specifications

Dear Student,

This is a well written and interesting project proposal to a real world and practical problem.

I'm looking forward to see what you will do in the second stage of the project.

Once more excellent job :) Keep it up :)

Project Proposal

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 simple and easy to understand as well as quantifiable, measurable, and replicable. Good job :)

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 explaining the Domain Background. :)

It sounds like a very interesting topic to work on.

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.

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.

Accuracy is a good metric to use in this case. If you happen to have an unbalanced dataset, you will need to use another evaluation metric in addition to accuracy. In this case I would suggest recall (its better to flag something as a disaster message than leave the people stranded)

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.

Naive Bayes is an excellent choice for a benchmark model here.

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.

Detailed description of the dataset has been provided.

Student summarizes a theoretical workflow for approaching a solution given the problem. A 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.

Excellent job describing the project design stages.

The 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.

Good structure of the whole report. Great job :)