Peer Review for Project Milestone 2

Reviewed by Reid Glaze

1. Problem Space

The problem space was easy to understand, and the group is clear with their objective. From topographic and cartographic data, they want to predict the type of forest cover present in an area. I think it could be helpful to provide some insight as to applications where this data may be useful in a pitch. For example, it may be useful data for loggers or predicting fire hazard risk.

1. Dataset

The dataset is explained well. The group mentions the number of samples, the number of features, The also explain each of the features individually and give the data types for each feature. They also explain how they will perform their training, validation, and test splits. Additionally, they explain the context of the observations made. I have no feedback for this section as I think it is explained well.

1. Planned Approach

Several different approaches are mentioned, and it seems that this group needs to decide which one to take. They mention a broad number of techniques and mention several past studies done on the subject. Although some great ideas have been mentioned, there is no clear approach to solving this problem and I believe it will be very difficult to try all the techniques listed. I think this group should focus on optimization using fewer techniques, as they may be overwhelmed with all the methods mentioned.

1. Solution Analysis

I think that if I saw the solution, I would be able to understand what they tried in their experiment. They have a set number of classes based on forest type and the predicted values of these classes can be compared to the test values to achieve an accuracy score. This appears to be the most important metric, which is referenced in the studies mentioned.

I think that it should be easy to determine whether the model was successful. The dataset used in this project makes this easy because of the features given. The accuracy score is something that can be easily assessed, and this metric can be compared to the studies cited.

1. Miscellaneous

I think that the topics covered in each of these studies are very interesting. However, the approach is very vague. I am not sure what role the cited studies play in the approach that the group plans to take. However, I think that this group has left the door open for many possibilities and they have chosen an interesting dataset that should be easy to work with. I am looking forward to seeing what this group can come up with.