



Machine Learning Engineer Course

Project 1

About the project:

You will be participating in a Kaggle competition [[competition link](#)]. The original competition is over. But you can still participate, submit your output and get the score/rank.

There is no mark or something assigned to this.

However, Top 5 individuals obtaining higher score will be given opportunity to showcase/demonstrate their project in a 5min presentation (*no need to make slides*, just explain the notebook/report/code that you have done). If you are able to do quality work, then you can add this project in your CV or showcase in any interview.

Instructions:

1. You have to train a machine learning model based on the provided data of that competition. Read the description of the competition carefully.
You are not limited to use/follow any methods or algorithms. The more analysis you show the better. You can try to explain “**why**” you are picking a certain method. Ex: suppose if you are using *StandardScaler* then mention ‘why’ you have chosen that.
2. Submit your output (on testing data) at Kaggle. Kaggle portal will evaluate the output and generate a **score**. You have to submit this **score** in a google form at **step 5**.
3. Write a report containing **Abstract, Methodology, Result Analysis** and **Conclusion**. (**Not more than 3 pages**). Try to be as **concise** as possible. In case of referring something you can use **footnote** for that.
4. Create a GitHub Repository of your project. Your repository should have the following files:
 - a. **[file] report.pdf** – containing the report/description of your project
 - b. **[file] your-project-name.ipynb** : The notebook file of your project

- c. **[file(s)] *.py** : in case if you need to create additional python file.
 - d. **[file] readme.md** – containing the description of your project (**check additional material below**)
 - e. **[dir] attachment** (optional): if you have additional files. Ie: chats, saved model file etc
5. Fill up this [google form](#) with necessary inputs [score, github link of project etc].
- a. Google email authentication is required.
 - b. One person can make **only one response**.
 - c. However, you can always **update/edit** your response till the deadline
 - d. You can check the leaderboard of this project [at this link](#).
 - e. **Submission Deadline:** 09-June-2021 11:59pm

Additional materials:

- Follow the format provided [at this link](#) on **How to write a readme file**

Good Luck !