Guidelines for the First Milestone

You are free to use any general project report format for the first milestone submission. Each submission must be a PDF file with the name "Milestone1_[Team No].pdf". Please refer to the following questions and answer them in your report.

1. **Dataset Description.**
   a. What is the source of your data? What is it about?
   b. How many features and datapoints does it contain?
   c. List a few (at most 10) features and describe them.
2. **Missing Values.**
   a. Are there missing values in your dataset?
   b. If yes, please provide the statistics (such has how many, which features, etc.) of the missing values.
   c. Do you want to remove such data-points from the dataset? Why?
   d. Do you perform imputation to fill in missing values? What technique would you use?
3. **Features.**
   a. Please show some interesting patterns (with the help of visualisations) that you would have discovered by visualizing certain features in the data.
   b. Does exploratory data analysis help you to remove a few features? Which and how?
4. **Outliers.**
   a. Have you found any outliers in your data? How have you found them?
   b. Do you plan to remove them or keep them in your data? Why?

For Data Engineers.
1. Provide link to your first Kaggle submission along with a few screenshots of the code snippet that shows the implementation of the model.
2. Which modeling technique have you used? Why?
3. List all the notebooks (on Kaggle) that you have referred for the first submission.

For Data Scientists.
1. State your problem statement along with the motivation.
2. How does your exploratory data analysis support the problem statement?
3. Propose a plan of action to address the problem. (Which model do you plan to use?)

Please mention any tools that you have used, or you propose to use for the project.

Editorial remarks. The report must use single line spacing and a font size of 11/12pt. The report should not be more than 8 pages long.