

LCC ML HACKATHON

Welcome to LCC Hackathon. These are the following tasks given to you. We'll be grading you based on your approach to solve the problem given.

1. Data Visualization & Statistics –

- a) The plots/techniques and the reason for using those plots should be listed.
- b) Apply Descriptive statistics on the numerical attributes and interpret the results.

2. Data Pre-processing –

- a) How do you get rid of missing values? Which method have you used and also list the reasons for using it.
- b) Have you tried to normalize any column? If so, why?

3. Feature Selection & Dimensionality Reduction -

- a) Have you performed any feature selection? If so, what are the methods used for the same.
- b) Are you using any DR techniques? (Ex: PCA, SVD) Please list out the reasons in both cases.

4. Model Selection –

- a) Which model have you chosen to solve the problem? List the advantages of using that particular model.
- b) You are free to give a comparative study of various models.

5. Write a story for one page about your model's working.

(It should contain less than 20% Plagiarism)

6. Evaluation metric-

- a) Split the dataset into 90% Train and 10% Test sets.
- b) List the best accuracy achieved for both Training and Testing.
(You can submit comparative study too)

Submission format: Prepare a PDF document or you can submit Ipython notebook with proper description.

For any queries,

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