Precog - Elections 2024 Recruitment Task

Data

Given is a dataset of all the elections in India since 1962. It includes both General and State elections. This is a dataset by Ashoka University. You can access the dataset [here](#). Download the data in csv format. Encourage you to download the data directly from the link but in case you can't, click on this [onedrive](#) link to download the data.

You have the freedom to use Google Colaboratory or Kaggle workspace if you prefer to do so. You can work with any election dataset of your choice, but it's preferable to focus on the general elections of either 2014 or 2019.

Analysis

1. Please do the necessary pre-processing, explore the data and come up with at least 3 insights about the data. This is to showcase your data exploration/analysis skills.
2. The analysis and insights generated will be the main focus of our interview. Please make sure you are able to properly demonstrate and defend your insights. You can be as creative as you wish!
3. Make sure there are plots to showcase your work as data visualization is one of the main skills we are looking for.

Classification

1. With the given dataset come up with your own interesting classification problem and generate at least 3 insights.
2. You are not restricted to work with just one election. You are encouraged to use multiple elections to come up with your classification problem.
3. Following is the list of few important steps you should be using while building the classifier:
   a. Data splits
   b. Trying out models
   c. Reporting performance measures

Paper Reading Task

Read any one of the following papers:
   a. [The Framing of Politics as Strategy and Game: A Review of Concepts, Operationalizations and Key Findings](#)
   b. [A Survey of Computational Framing Analysis Approaches](#)
   c. [Framing and Agenda-setting in Russian News: a Computational Analysis of Intricate Political Strategies](#)

For the paper you read, make a short report on it. Report should not just be the summary of the paper. Kindly mention the areas where we can make improvements in the methods mentioned in the paper, your thoughts on how we can leverage these methods for our work in Precog for the Elections 2024 project to enhance its outcomes. Also try to come up with some project ideas for the same.

Submission

1. Put all your code/notebooks in a GitHub repository.
2. Maintain a README.md explaining your codebase, the directory structure, commands to run, your project, the dependency libraries used and the approach you followed.
3. The link to the GitHub repository will be asked for during the interview.
4. Make a separate folder for the paper reading task with a README having your insights about the paper of your choice.
5. Deadline for the task is 2359 hrs on 28th July 2023.
6. Interviews will be held from 29th July onwards.

Evaluation

It will be done based on the following:
1. How do you handle and sample from large real-world datasets
2. How interesting and creative your insights are
3. How you present your code and findings
4. Your ideas for the upcoming projects

Please Note:
1. You must attempt this task on your own. We are aware of the classification tasks which tools like GPT suggest you do, so refrain from using GPT as well.
2. Please make sure you cite any external resources that you may use.
3. We will also check your submission for plagiarism

If you have any queries, reach out to us at [rohan.modepalle@students.iiit.ac.in.](mailto:rohan.modepalle@students.iiit.ac.in)