Algorithm Design: A Fairness-Accuracy Frontier

- This replication package supports the paper *"Algorithm Design: A Fairness-Accuracy Frontier"* (JPE, 2024). Last updated: November 18, 2024.
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Data

- Refer to `data/data_description.md` for data details.

Notebooks

- **`notebook/obermeyer.ipynb`**
  Contains code supporting analyses for Dataset 1, including:
  - Figure 9 (a)
  - Table 1, first column
  - Figures 10 (A) and (B)
- **`notebook/strack.ipynb`**
  Contains code supporting analyses for Dataset 2, including:
  - Figure 9 (b)
  - Table 1, second column
  - Figures 10 (C) and (D)

Package Requirements

To replicate our analysis, please ensure the following Python packages are installed. We recommend using Anaconda for package and environment management.

Required Packages

Run the following commands to install the necessary packages:

```
conda install numpy pandas matplotlib seaborn scikit-learn cvxpy gurobi
scipy
```