README *for* LLMs in Political Science: Heralding a New Era of Visual Analysis

This README file contains two sections. The first section, *General Description*, describes the contents in this replication folder. The second section, *Hardware Requirements*, describes what hardware is used for running the scripts. Data in our research can be downloaded from https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/PZYLYU.

1 General Description

- README.pdf: this file.
- main.py: this file is the core script. It generates the Gemini result for each image and stores the results in results.txt.
- results.txt: this file is generated by main.py.
- evaluation.py: this file generates evaluation.csv from results.txt.
- evaluation.csv: this file is generated by evaluation.py.
- evaluation_results.csv: this file has human gradings on Gemini output.
- outlet_analysis.py: this file calculates the number of images per output.
- demo-face-identification.py: this file generates the result for Row 1 in Table 3.
- demo-sentiment.py: this file generates the result for Row 2 in Table 3.
- demo-captioning.py: this file generates the result for Row 3 in Table 3.

2 Hardware Requirements

All the scripts can be run locally on a Macbook.