**Organization of BridgePledge Github Repository:**

* All input data files are located in input data folder. Within this input data folder, the data is organized by data source folders.
  + Within each data source folder, there is a raw and processed folder. The files in the raw folder are those directly pulled from the source. The files in the processed folder are the cleaned files after being run through any cleaning code.
* The code used to clean the input data is located in the code/data cleaning code folder.
  + PVI Pre-Processing.ipynb cleans the Cook Political raw data.
  + Vote\_Counts.ipynb cleans the Plural Policy raw data regarding votes.
  + app\_communcations\_calculations.ipynb cleans the APP communications data. This raw data is too large of a file for Github, but it is in Basecamp (its called 2025-04-24 app comm raw.csv).
  + bill\_authors\_cosponsors.ipynb cleans the Plural Policy raw data.
* Bridge\_Pledge\_119.ipynb is the final code file that is calculating the 119th Bridge Scores and creating the output files. This is located in the code/final code folder.
* There are two output files: house\_scores\_119.xlsx and senate\_scores\_119.xlsx. These are both located in the output\_data folder.

**Data Sources:**

**Date downloaded: 24 April 2025**

1. **Plural GovTrack:** Rewards authors of bills with cross party sponsors. This counts the total number of bills each representative has that have cross-party sponsors. Representatives with the highest sum and rewarded more and have the highest rank.
   1. **Source Name:** Source\_A
   2. **Data cleaned in following file:** bill\_authors\_cosponsors.ipynb
   3. **Link:** <https://open.pluralpolicy.com/data/session-csv/>
2. **Plural GovTrack:** Rewards representative who cosponsor bills where the primary sponsor is from the opposite party. This counts the total number of bills each representative has cosponsored that have a bipartisan primary sponsor. Representatives with the highest sum and rewarded more and have the highest rank.
   1. **Source Name:** Source\_B
   2. **Data cleaned in following file:** bill\_authors\_cosponsors.ipynb
   3. **Link:** <https://open.pluralpolicy.com/data/session-csv/>
3. **APP Rhetoric Bipartisanship (Sum):** Rewards representatives who participate in bipartisanship communication. This counts the total number of communications for each representative that are supportive of another representative of the opposite party. Those with a higher sum are rewarded more.
   1. **Source Name**: Source\_C
   2. **Data cleaned in following file**: app\_rhetoric\_calculations.ipynb
   3. **Link:** <https://americaspoliticalpulse.com/data/> - select US officials in left menu; then select “Download 2025”
4. **APP Rhetoric Bipartisanship (Percent):** Rewards representatives who participate in bipartisanship communication. This measures the percent of communication that is supportive of a bipartisan representative. Those with a higher percentage of bipartisan communication are rewarded more.
   1. **Source Name**: Source\_D
   2. **Data cleaned in following file:** app\_rhetoric\_calculations.ipynb
   3. **Link:** <https://americaspoliticalpulse.com/data/> - select US officials in left menu; then select “Download 2025”
5. **APP Rhetoric Personal Attacks (Sum):** Punishes any communication that is a personal attack. This specifically measures the total number of personal attacks. Those with a large sum will be rewarded less and thus ranked lower.
   1. **Source Name**: Source\_E
   2. **Data cleaned in following file:** app\_rhetoric\_calculations.ipynb
   3. **Link**: <https://americaspoliticalpulse.com/data/> - select US officials in left menu; then select “Download 2025”
6. **APP Rhetoric Personal Attacks (Percent):** Punishes any communication that is a personal attack. This measures the percent of communication that is in the form of a personal attack for each representative. Those with a larger percentage will be rewarded less and thus ranked lower.
   1. **Source Name**: Source\_E
   2. **Data cleaned in following file:** app\_rhetoric\_calculations.ipynb
   3. **Link:** <https://americaspoliticalpulse.com/data/> - select US officials in left menu; then select “Download 2025”
7. **Plural Policy:** Rewarded representatives who vote for a cosponsored bill.
   1. **Source Name:** Source\_G
   2. **Data cleaned in following file:** Vote\_Counts.ipynb
   3. **Link:** <https://open.pluralpolicy.com/data/session-csv/>
8. **Plura Policy:** Rewards representatives who vote for bills sponsored by the opposing party. Those with the largest sum of votes are rewarded more.
   1. **Source Name:** Source\_H
   2. **Data cleaned in following file:** Vote\_Counts.ipynb
   3. **Link:** <https://open.pluralpolicy.com/data/session-csv/>
9. **Cook Political PVI:** Add multiplier to blended score to reward courage (higher bump when representing more partisan district/state)
   1. **Source Name:** Source\_M
   2. **Data cleaned in following file:** PVI Pre-Processing.ipynb
   3. **Link:** Requires paid subscription: https://www.cookpolitical.com/cook-pvi
10. **Voteview**: Add multiplier to scores based on distance from ideological center to reward bridging by non-centrist polls
    1. **Source Name:** Source\_N
    2. **Data cleaned in following file:** N/A
    3. **Link:** <https://voteview.com/congress/senate/-1/text> ; <https://voteview.com/congress/house/-1/text>
11. Caucus Mulitiplier:
    1. **Source Name:** Source\_P
    2. **Data cleaned in following file:**
    3. **Link:**