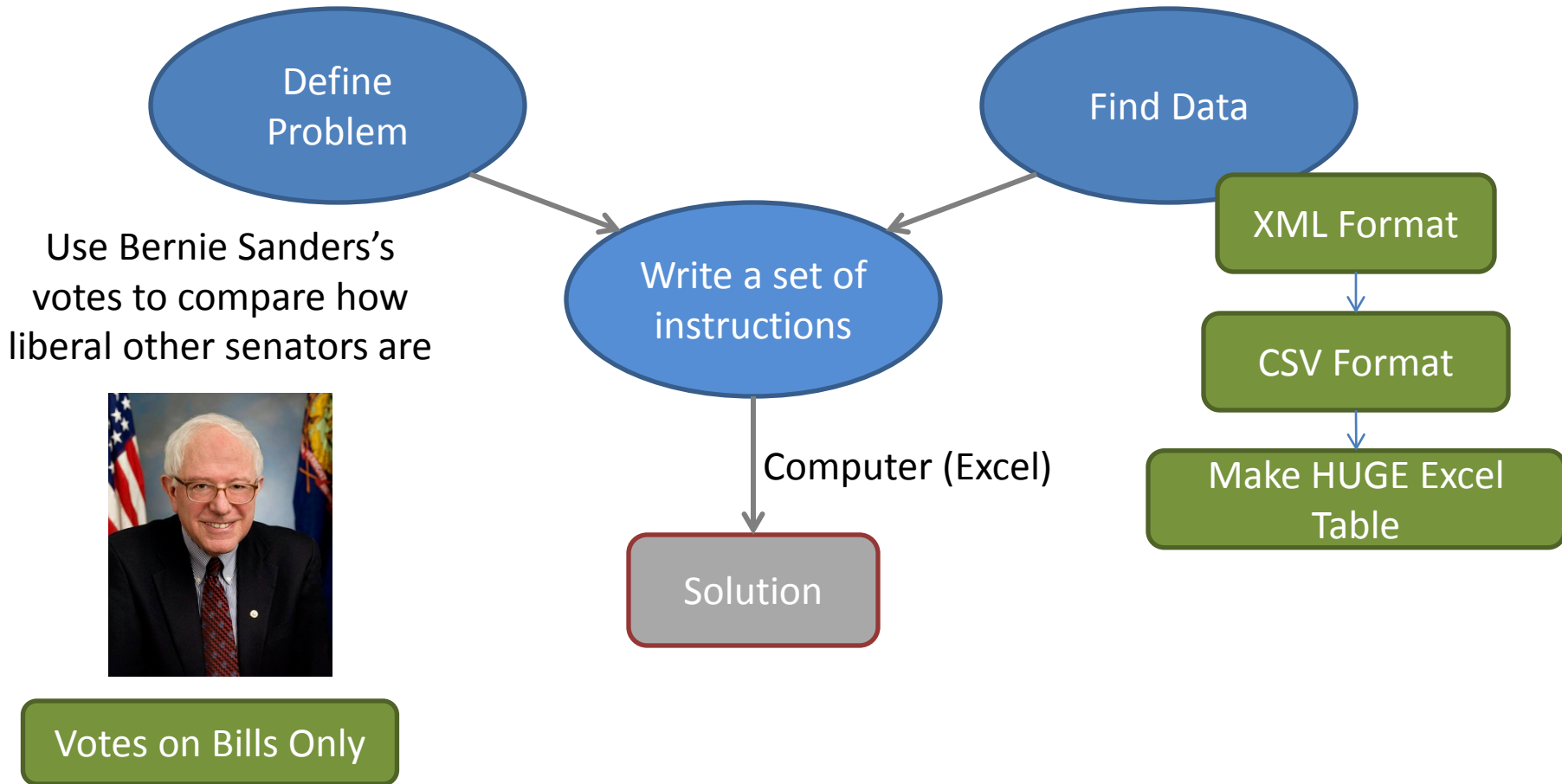


Ranking Senators with Senator X's Votes

Feb 7, 2013

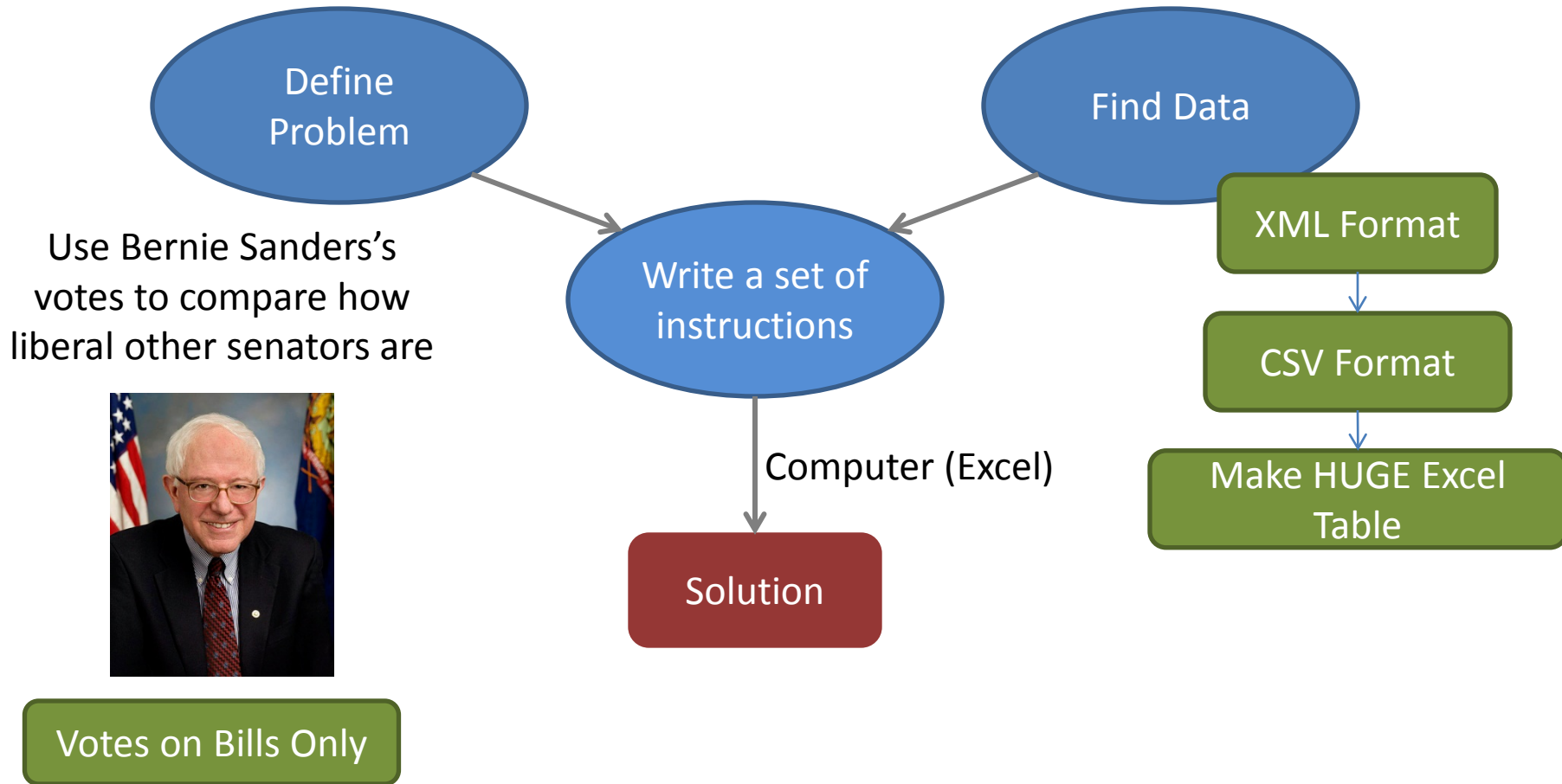
Last Class: Whoops!

Last Class

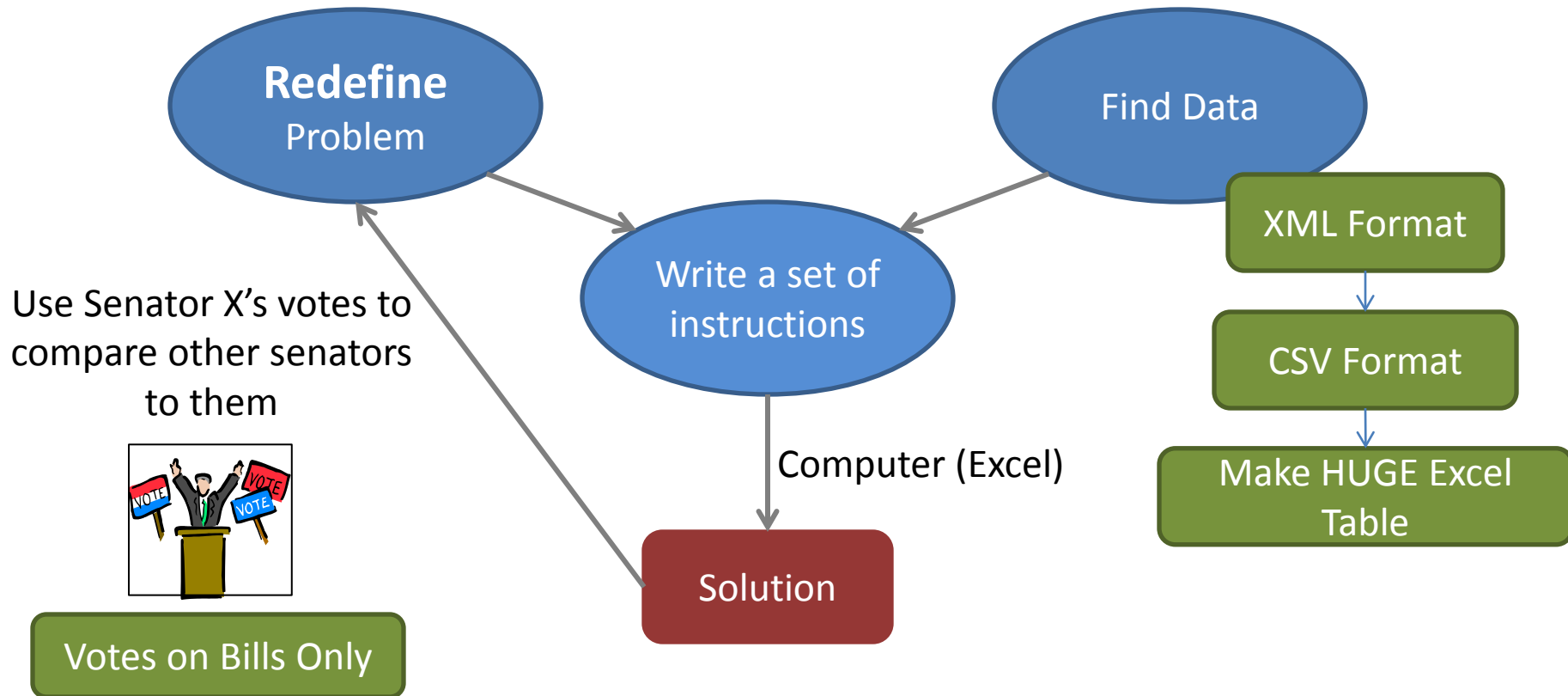


Task 2: Rank Each Senator by Bernie Sanders-ness

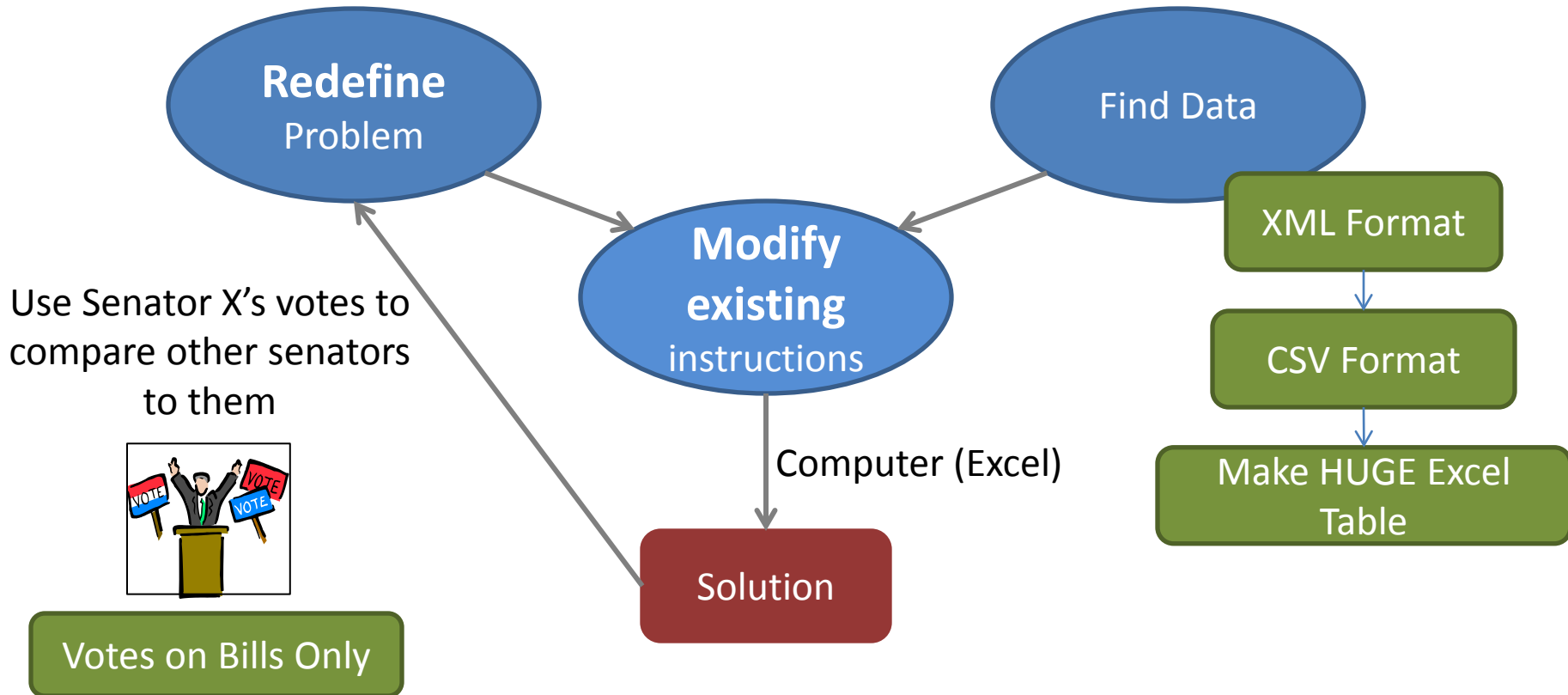
What We've Accomplished



New Problem



New Problem



Activity 1-3

- Do Task 1 with a partner.

OFFSET: Returns a reference to a range that is a specified number of rows and columns from a cell or range of cells. The reference that is returned can be a single cell or a range of cells.

```
OFFSET(reference, rows, cols, [height],[width])
```


Activity 1-3

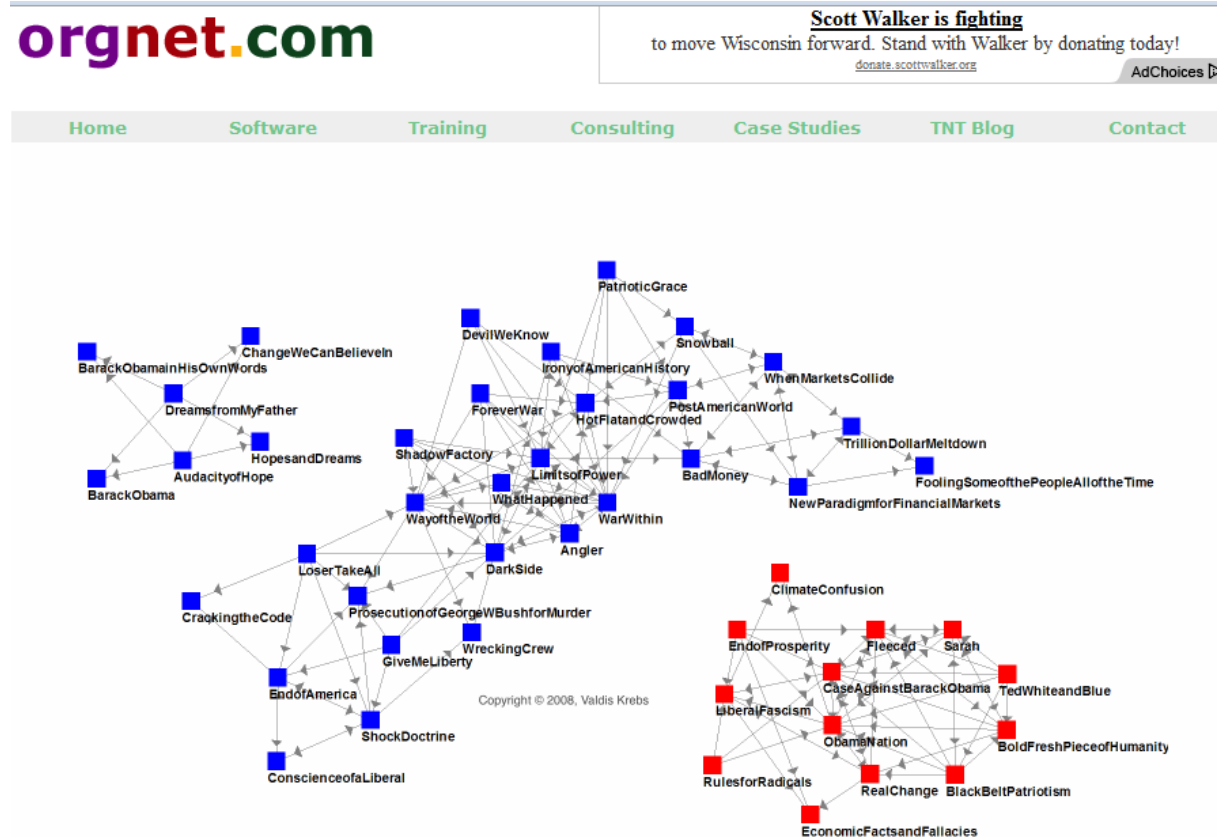
- Do Task 2

Activity 1-3

- Do Task 2
 - We broke this task down into manageable pieces.
 - Nice formatting is useful
 - This spreadsheet is now useful for other people

Purchase Patterns of Political Books

- Click on the Book URL link on the class website



Project 1

Due Dates

Proposal: Th 2/14

Project: Th 2/21

- Choose a problem related to the work we've done so far in the course
 - Choose a different dataset and perform a similar analysis
 - Perform a different analysis on the Senate dataset to answer a different political question

Project 1

Due Dates

Proposal: Th 2/14

Project: Th 2/21

- Choose a problem related to the work we've done so far in the course
 - Choose a different dataset and perform a similar analysis
 - Perform a different analysis on the Senate dataset to answer a different political question
- You must have a **testable** hypothesis!
 - “Senators who vote similarly to Sanders are Democrats and senators who vote differently from Sanders are Republicans”

Project 1

Due Dates
Proposal: Th 2/14
Project: Th 2/21

- Proposal
 - Background
 - Claim
 - Data
 - Analysis Steps
 - Potential Roadblocks

Meet with
Tas/Faculty!
Ask Questions!

Project 1

Due Dates
Proposal: Th 2/14
Project: Th 2/21

- Proposal
 - Background
 - Claim
 - Data
 - Analysis Steps
 - Potential Roadblocks
- Project
 - All Excel Spreadsheets and a **website**
- Interactive Grading

Meet with
Tas/Faculty!
Ask Questions!

Project 1

Due Dates
Proposal: Th 2/14
Project: Th 2/21

Category	# Points Earned
Proposal	15
Degree of Difficulty	25
Execution	25
Code Quality	10
Website	15
Interactive Grading	10
TOTAL	100

Proposal Rubric

Proposal (15%)

- _____ (2 points) Problem is placed in context and the overview is concisely stated.
- _____ (3 points) The claim poses a problem that can be answered with computation. “I will rank all senators” is not a claim.
- _____ (1 point) The data source is specified
- _____ (2 points) There is a good description of what the original data looks like.
- _____ (5 points) The steps of the analysis are clear, specific, and manageable. “I will import the data and cluster according to votes” is not clear. “I will import all the data for all 2,012 congressional meetings” is not manageable.
- _____ (2 points) There are some roadblocks listed, and no obvious roadblocks are missed. Obvious roadblocks are things like “I have never seen this type of data format before” or “I want to perform a particular statistical test, but I don’t know how to write that formula.”
- _____ Total

Next Time

- Comparing all senators to each other simultaneously!