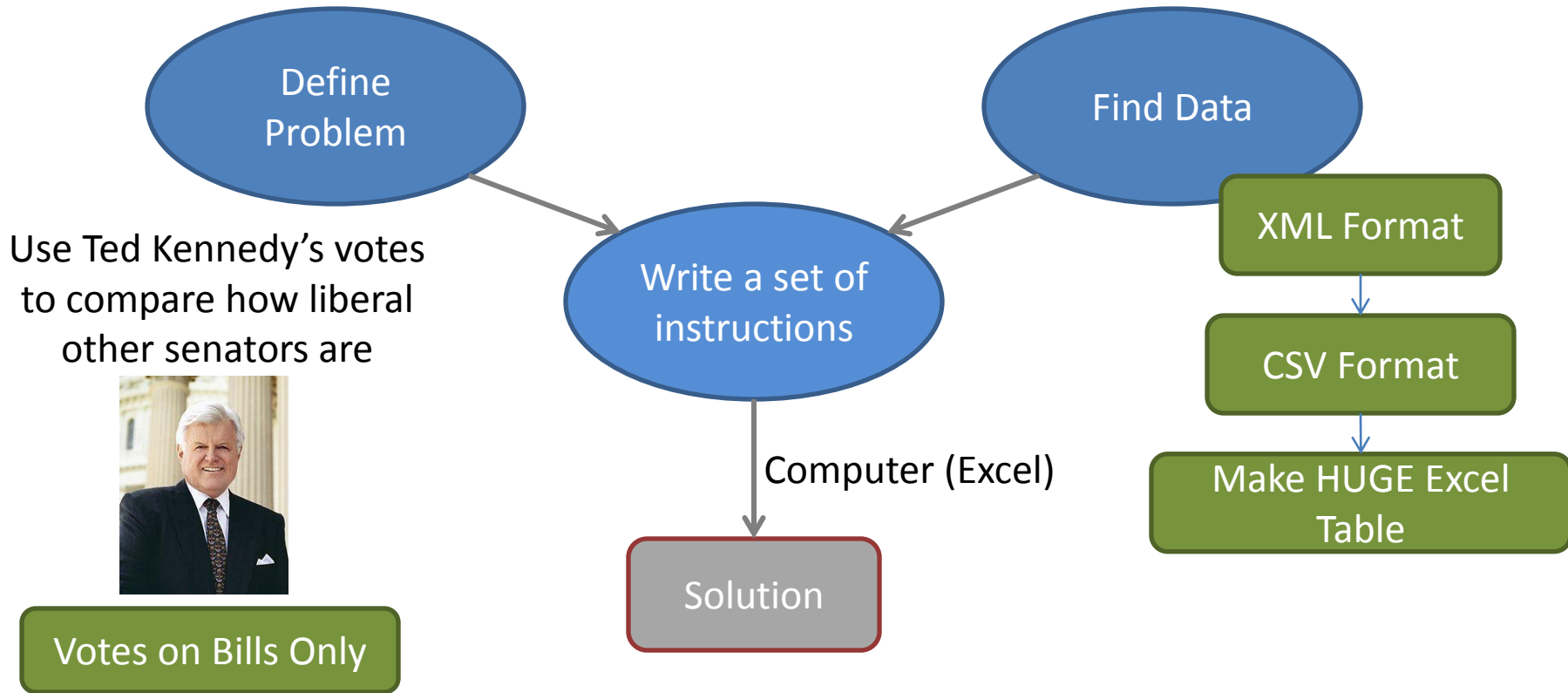


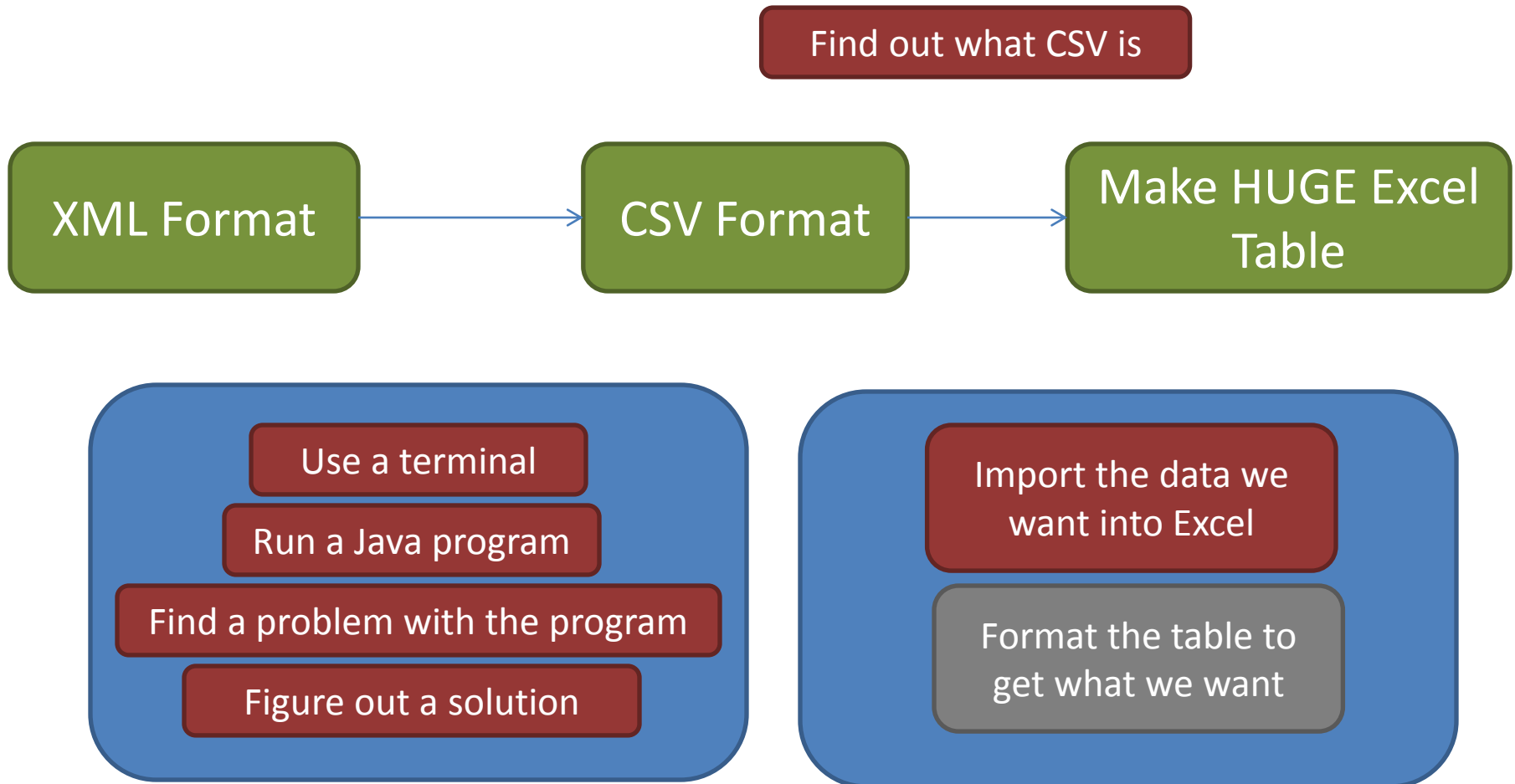
Ranking Senators w/ Ted Kennedy's Votes

Feb 7, 2012

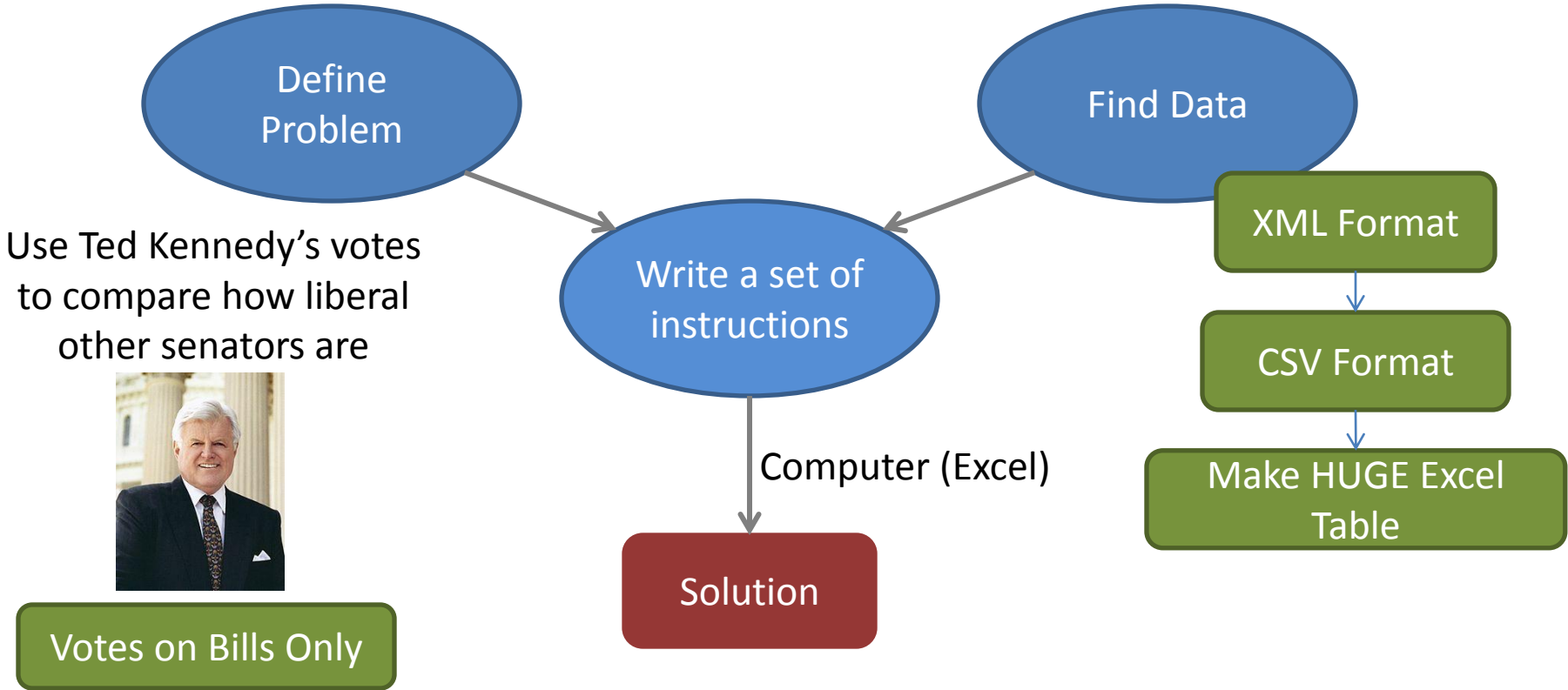
Last Class



Last Class



Today



Excel: `Ctrl` is your friend

Bottommost Cell: `Ctrl` and ↓

Topmost Cell: `Ctrl` and ↑

Rightmost Cell: `Ctrl` and →

Leftmost Cell: `Ctrl` and ←

Pressing `Ctrl` selects each cell you click

`Shift` is your friend too: Pressing `Shift` selects all cells between clicks.

Last Class: Completed Task 3.6

1. Open the spreadsheet from last class.
2. You should have 4,801 rows (Task 3.7)
3. You should have columns through E.

Task 3.8

- We want a unique identifier for the vote of each bill in this congress.
 - Which two columns together make a unique key?

Task 3.9

- Add another column to the table by entering a `vote_id` column in cell F1.
- Write a formula to output `session:vote_number` values for this row.
- Use fill down or copy/paste, if necessary, to apply this formula to all the other rows.

	A	B	C	D	E	F
1	session	vote_number	vote_question_text	member_full	vote_cast	vote_id
2	1	9	On Passage...	Akaka (D-HI)	Nay	1:9
3	1	9	On Passage...	Alexander (R-TN)	Yea	1:9
4	...	...	...	...	...	...

Task 3.9

- Add a `vote_id` column in cell F1.
- Write a formula to output `session:vote_number` values for this row.
- Use fill down or copy/paste, if necessary, to apply this formula to all the other rows.

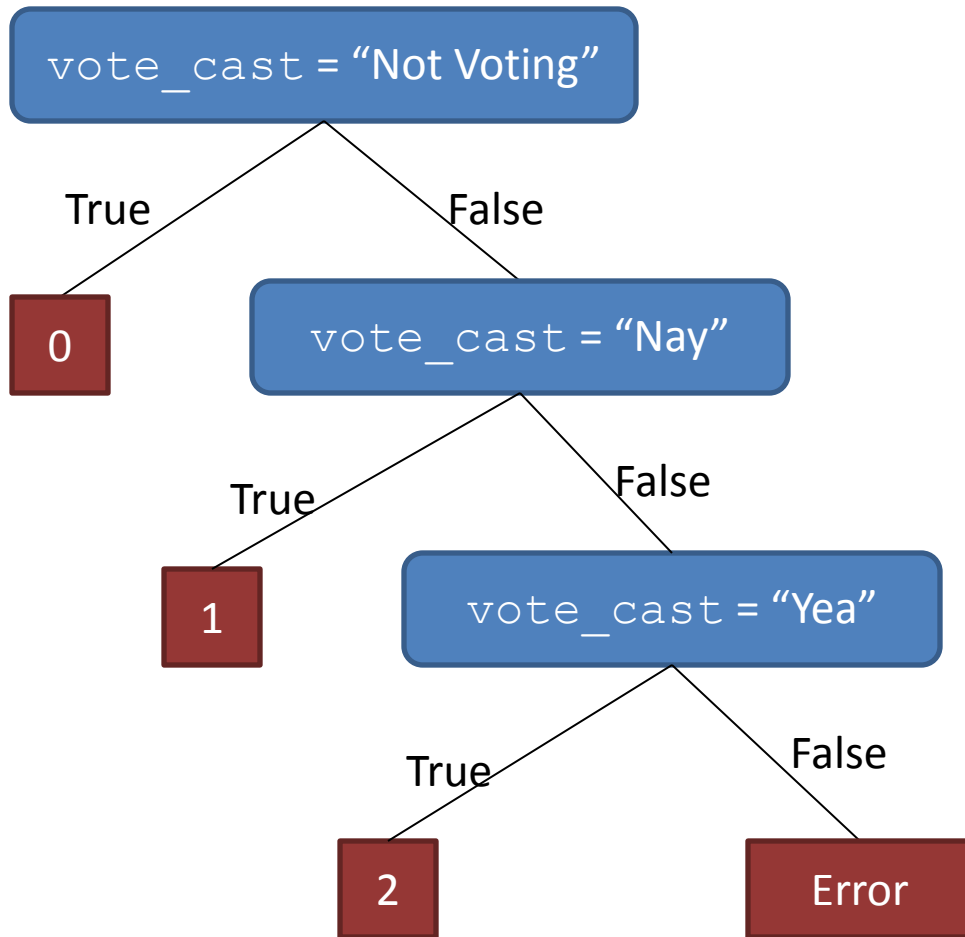
	A	B	C	D	E	F
1	<code>session</code>	<code>vote_number</code>	<code>vote_question_text</code>	<code>member_full</code>	<code>vote_cast</code>	<code>vote_id</code>
2	1	9	On Passage...	Akaka (D-HI)	Nay	1:9
3	1	9	On Passage...	Alexander (R-TN)	Yea	1:9
4	...	...	...	...	...	...

Task 3.10

- Add a `numerical_vote` column in cell G1.
- Write a formula to output:
 - 0 if the senator did not vote
 - 1 if the senator voted `Nay`
 - 2 if the senator voted `Yea`
 - `Error` otherwise

	A	B	C	D	E	F	G
1	ses...	vote_n...	vote_q...	member_full	vote_cast	vote_id	numerical_vote
2	1	9	On...	Akaka ...	Nay	1:9	1
3	1	9	On...	Alexander ...	Yea	1:9	2
4	...	...	...	...	...	...	...

Decision Trees: Graph Representation

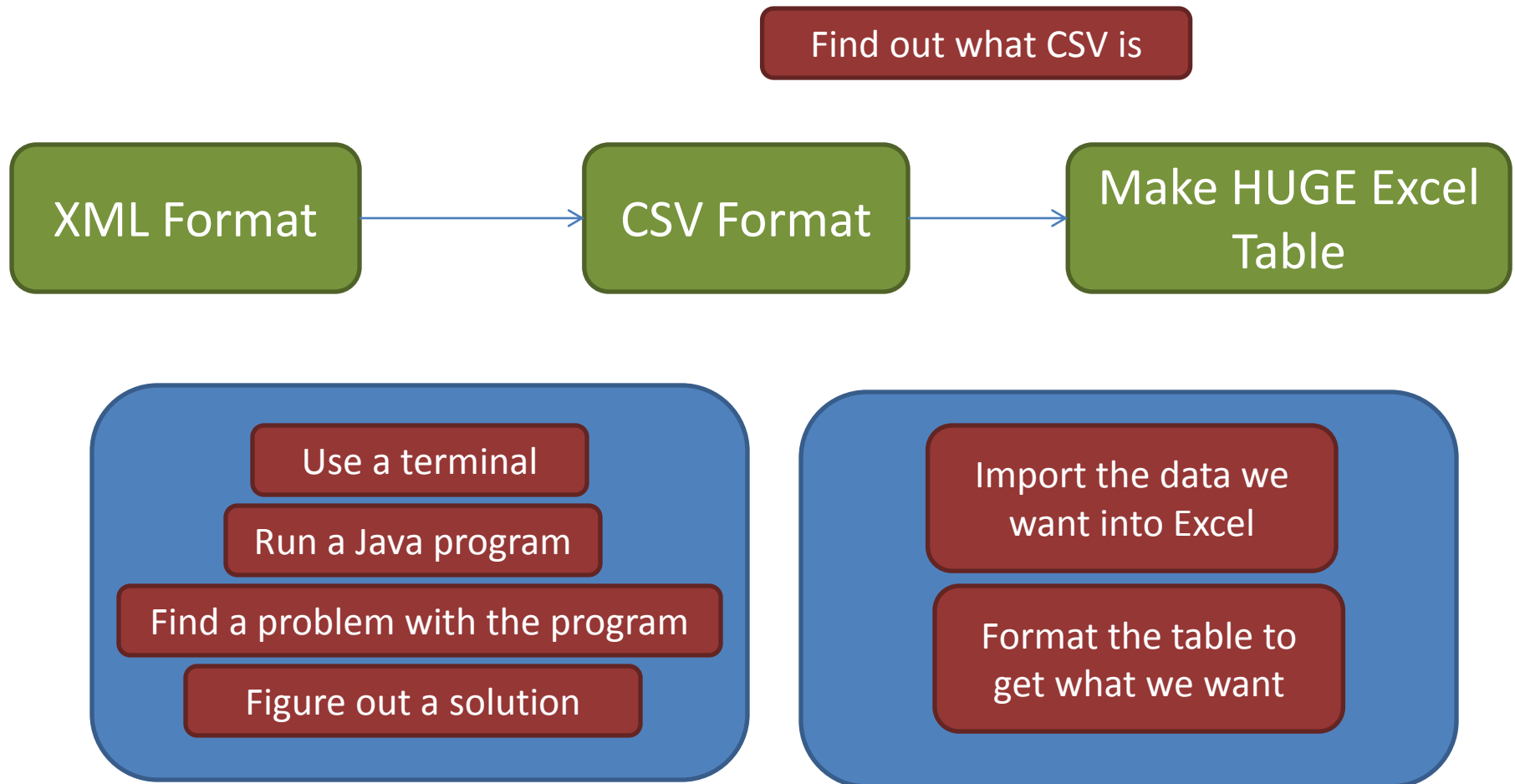


0 if the senator did not vote
1 if the senator voted Nay
2 if the senator voted Yea
Error otherwise

Open Last Class's Activity (1-1)

- Do Task 4 (Make a Pivot Table)
 - Make sure you save!

You have done these things



Break

Break

- Index Cards (at end of class)

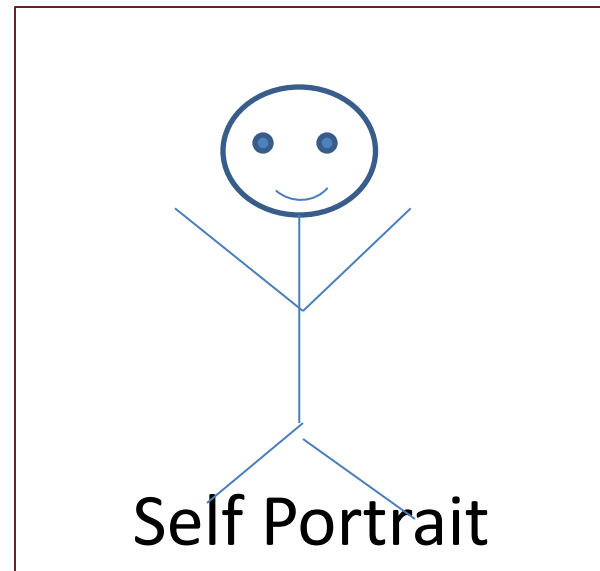
Name

Class Year

Concentration

Where You're From

Something Interesting
About Yourself



See anything odd in the pivot table?

- Use the web to find out what happened

See anything odd in the pivot table?

- Use the web to find out what happened
- Use Home...Conditional Formatting to color all blank cells **red**

See anything odd in the pivot table?

- Use the web to find out what happened
- Use Home...Conditional Formatting to color all blank cells **red**
- Name Sheet1 RawData
- Name Sheet2 PivotTable
- Make column widths nice:
 - Home-> Cells-> Format->AutoFit Column Width

Activity 1-2

- Do Task 1

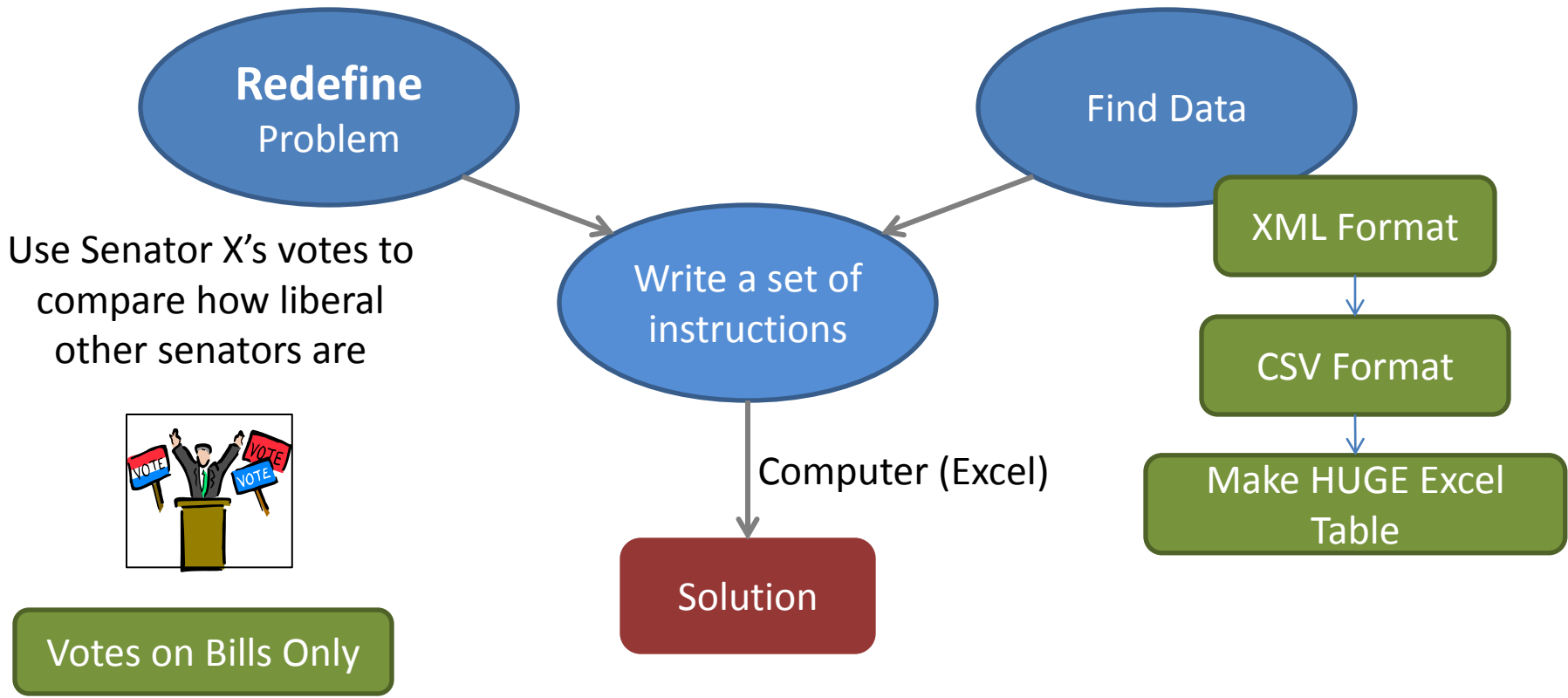
Activity 1-2

- Do Task 1
- What happened to Corzine and Mendenez?
How do we fix it?

Activity 1-2

- Do Task 2

Next Class



If we have time...

- Click on the Book URL link on the class website

orgnet.com

Scott Walker is fighting
to move Wisconsin forward. Stand with Walker by donating today!

donate.scottwalker.org

AdChoices ▶

Home

Software

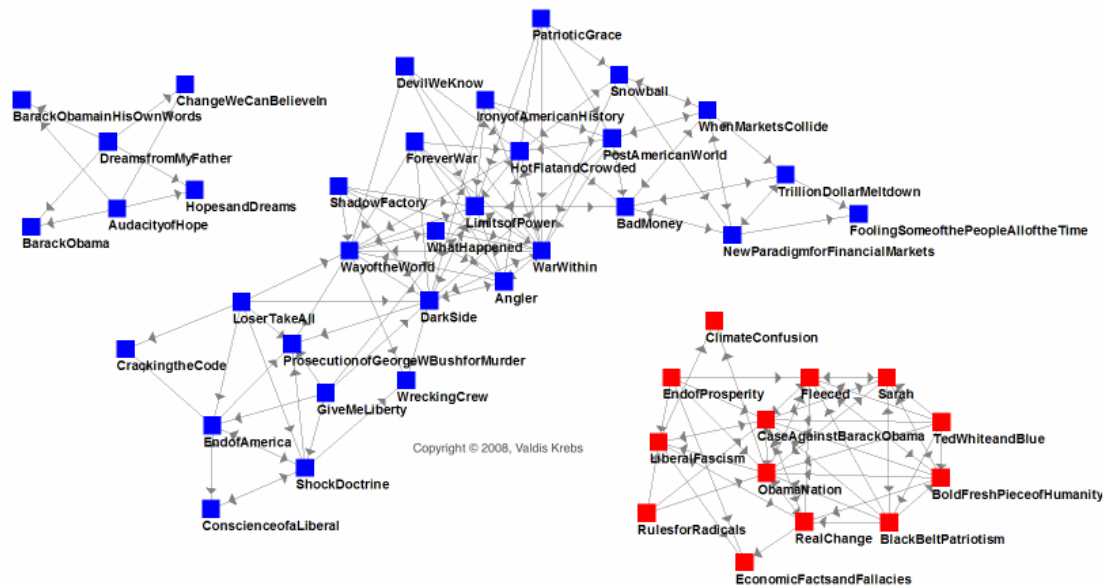
Training

Consulting

Case Studies

TNT Blog

Contact



Last Things

- HW1-2 posted (due next Tues)
- Fixed JAR file posted
- TA and Staff hours are posted

Index Cards

Name

Class Year

Concentration

Where You're From

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About Yourself

