**ORDER OF THE FILES**

**Core files**

Files that are downloaded from the maplight dropbox folder.

* maplight\_bill\_position.dta 20.4 MB

This contains the positions of interest groups across bills. We sort interest groups across os-catcode, which has a distinct id number for each business sector.

* maplight\_votes.dta 26.2 MB

This data set represents the votes of the legislators for each action.

* hou112kh\_merged.dta 3.4 MB

This is another source for legislators’ votes. This vote data includes more actions therefore is a wider data set relative to maplight.

All 3 files are located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*build*](https://github.com/kbuzard/political-uncertainty/tree/master/build)*/****input****/*

**Vote numbers across interest groups**

Here we count the number of actions on which each interest group takes a position. We follow the same process for maplight data and voteview data to get the vote numbers and then compare them.

* vote\_numbers\_maplight\_do.do 3.9 kB

This is the stata do file that includes all steps starting from the raw data sets.

This file is in[*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*build*](https://github.com/kbuzard/political-uncertainty/tree/master/build)*/****code****/*

Input 1: maplight\_bill\_position.dta,

Output 1: 112\_bill\_positions\_destring.dta 2.2 MB

This output file is the destringed maplight data for the 112th congress

Input 2: hou112kh\_merged.dta

Output 2: hou112kh\_merged\_destring.dta 3.4 MB

This output file is a destringed version of voteview data. We destringed data in order to be able to join two date sets across bill numbers.

Input 3: 112\_bill\_positions\_destring.dta and hou112kh\_merged\_destring.dta

Output 3: joined\_112\_bills.dta 27.5 MB

This output file is the combination of maplight data and voteview data

Input 4: 112\_bill\_positions\_destring.dta,

Output 4: vote\_numbers\_maplight.xlsx (cell C1), vote\_numbers\_maplight.xlsx (cell A1), vote\_numbers\_maplight.xlsx (cell B1)

Input 5: joined\_112\_bills.dta,

Output 5: vote\_numbers\_maplight.xlsx (sheet 2, cell B1), vote\_numbers\_maplight.xlsx (sheet 2, cell A1)

This is an excel output (*vote\_numbers\_maplight.xlsx* (23.2 kB)) that includes vote numbers in maplight and combined data set for each interest group. Sheet 1 contains the vote numbers for only maplight data. In this sheet; the first, second, and third columns represent interest group id number, business definition, and number of votes respectively.   
Sheet 2 contains the vote numbers for the combined data set. Here, the first column represents the id number while the second column represents the number of combined votes.

It is found in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*build*](https://github.com/kbuzard/political-uncertainty/tree/master/build)*/****output****/*

**Generating Vote Data for R**

In this part, we make the raw data usable in R. Below do file includes the all steps to reach the final vote data that we want to use. We keep only 112th Congress votes and those voted in the House of Representatives.

* data\_7\_19\_do.do 2.5 kB

Input 1: maplight\_bill\_position.dta and maplight\_votes.dta,

Output 1: data\_7\_19.csv

This csv file has the vote data under the column “vote\_1”.

The “*data\_7\_19\_do.do*” is not in the Github repository, it is in *G:\MAX-Filer\Collab\SOP-kbuzard-S13\Admin\Combined files*

**Simple Model without Group Indicators**

We initially run a simple model (5000 iterations with two chains) without group indicators.

* simple\_without\_group\_5000\_2ch\_code.R 1.3 kB

This is the model code for the simple model. Here we only use the “vote\_1” data from “data\_7\_19.csv”.

This file is located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*analysis*](https://github.com/kbuzard/political-uncertainty/tree/master/analysis)*/****code****/*

Input: data\_7\_19.csv and parameters.csv

I do not know where the *parameters.csv* comes from. It is not on *Admin\Combined files*

It’s been called from *"//stu05-fsrv.ad.syr.edu/ykbagir$/Desktop/kristy/parameters.csv"*

* simple\_without\_group\_5000\_2ch\_workspace 247 MB

This is the raw R output file.

This file is in *G:\MAX-Filer\Collab\SOP-kbuzard-S13\Admin\Combined files*

It is not created in “simple\_without\_group\_5000\_2ch\_code.R”

**Generating Group Indicators**

* 11\_groups\_dummy\_do.do 5.9 kB

This do file represents the stata commands to obtain the group dummies for 11 groups. Steps are explained in detail in the file.

This file is located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*build*](https://github.com/kbuzard/political-uncertainty/tree/master/build)*/****code****/*

I do not know where the raw\_votes.dta comes from. It is not on *Admin\Combined files*

It’s been called from *"//stu05-fsrv.ad.syr.edu/ykbagir$/Desktop/kristy/raw\_votes.dta"*

Input 1: maplight\_bill\_position.dta and raw\_votes.dta,

Output 1: groups.csv and output\_8\_13\_without\_total.dta

Output 2: output\_8\_13\_alpha.dta, stat\_5000\_8\_13.dta

Input 3: stat\_5000\_8\_13.dta

Output 3: alpha\_1\_8\_13.gph, alpha\_2\_8\_13.gph, alpha\_3\_8\_13.gph, alpha\_4\_8\_13.gph, alpha\_5\_8\_13.gph, alpha\_6\_8\_13.gph, alpha\_7\_8\_13.gph, alpha\_8\_8\_13.gph, alpha\_9\_8\_13.gph, alpha\_10\_8\_13.gph, alpha\_11\_8\_13.gph and combined\_graph.pdf

There is a mistake in the name of the output file. In the code, the output file is called “groups.csv”, not “11\_groups\_dummy.csv”. I am assuming it is referring to the same file.

* ***Output File***: 11\_groups\_dummy.csv 7.7 MB

This is the file that will be used in the model with group indicators. There are 11 columns that are numbered 1 through 11. The first column, named group1, contains all 1s. Other columns are:

group2: dairy

group3: computer

group4: oil

group5: manuf

group6: chem

group7: agr\_chem

group8: stone

group9: cons\_eq

group10: ind\_eq

group11: com\_banks

This output file is located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*build*](https://github.com/kbuzard/political-uncertainty/tree/master/build)*/****output****/*

**Model with Group Indicators**

We run two separate chains with the same specifications and iteration numbers.

*Chain 1*

* 11\_groups\_5000\_code.R 2.2 kB

This is the R script we run. Differently from the previous model we ask R to keep only every tenth of the iteration due to the size concerns.

Input 1: data\_7\_19.csv"

Input 2: 11\_groups\_dummy.csv

Output: output.dta

* 11\_groups\_5000\_ch1\_workspace 1.8 GB

This is the raw R output.

This file is in *G:\MAX-Filer\Collab\SOP-kbuzard-S13\Admin\Combined files*

* 11\_groups\_5000\_ch1\_output.dta 685 MB

This is raw R output in stata format.

This file is in *G:\MAX-Filer\Collab\SOP-kbuzard-S13\Admin\Combined files*

* 11\_groups\_5000\_stat\_do.do 723 B

In order to reduce the size of the raw stata output we keep only the relevant information (the parameter alpha in this case) in the output file.

This file is located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*analysis*](https://github.com/kbuzard/political-uncertainty/tree/master/analysis)*/code/*

Input 1: mcmc\_output.dta (found in *political-uncertainty\analysis\temp*)

Output 1: 11\_groups\_5000\_stat.dta

This output file is the stata output file for the parameter alpha

* 11\_groups\_combined\_graph\_do.do

This do file helps us to graph the mean values of parameter alpha against the standard deviation across each group.

This file is located in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*analysis*](https://github.com/kbuzard/political-uncertainty/tree/master/analysis)*/code/*

Input 1: 11\_groups\_5000\_stat.dta

Output 1: 11\_groups\_combined\_graph\_do (political-uncertainty\analysis\code)

Output 2: `output'\_ch1.pdf

* 11\_groups\_combined\_graph\_ch1.pdf

This is the pdf file that includes scatter plots of mean vs standard deviation across the interest groups; manufacturing unions, commercial banks, and chemicals.

This is the output file from the previous bullet point (`output'\_ch1.pdf)

This file is located in *political-uncertainty\analysis\output* in the G drive, but it is not uploaded in the Github rep.

*Chain 2*

(I do not know how or where these files are been created or where they are located)

* 11\_groups\_5000\_ch2\_workspace 1.8 GB

Raw R output of the second chain.

This file is not on the Github rep, the G drive or the H drive.

* 11\_groups\_5000\_ch2\_output.dta 685 MB

Raw stata output of the second chain.

This file is not on the Github rep, the G drive or the H drive.

**7 groups Model**

We run the above 11 groups model initially for only 7 groups and 1000 iterations with 2 chains. Below files ere the output from this iteration. Because of the size constraints I did not save the raw data for this iteration.

* 7\_groups\_output\_alpha\_comparison\_by\_group\_stata.dta

This are final output of the model. It contains mean and standard deviations of each parameter alpha across groups and chains.

This file is in *G:\MAX-Filer\Collab\SOP-kbuzard-S13\Admin\Combined files*

It is not in the Github repository

* 7\_groups\_output\_alpha\_comparison\_by\_group\_do.do

This do file helps us to graph the mean values of parameter alpha against the standard deviation across each group.

This file is in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*analysis*](https://github.com/kbuzard/political-uncertainty/tree/master/analysis)*/****code****/*

Output: 7\_groups\_combined\_graph\_ch1.pdf

The output file is in [*political-uncertainty*](https://github.com/kbuzard/political-uncertainty)*/*[*analysis*](https://github.com/kbuzard/political-uncertainty/tree/master/analysis)*/****output****/*

This output is the pdf file that includes scatter plots of mean vs standard deviation in chain 1 across the interest groups; entire, manufacturing unions, and dairy.