**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.

**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.

* hou112kh\_merged\_destring.dta 3.4 MB

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

* 112\_bill\_positions\_destring.dta 2.2 MB

This is the destringed maplight data for the 112th congress

* joined\_112\_bills.dta 27.5 MB

This is the combination of maplight data and voteview data

* ***Output File***: vote\_numbers\_maplight.xlsx 23.2 kB

This is an excel output 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.

**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
* ***Output File***: data\_7\_19.csv 37.0 MB

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

**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”.

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

This is the raw R output file.

**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.

* ***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

**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.

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

This is the raw R output.

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

This is raw R output in stata format.

* 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.

* 11\_groups\_5000\_stat.dta 1.6 MB

***Output File***: This 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.

* 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.

*Chain 2*

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

Raw R output of the second chain.

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

Raw stata output of the second chain.

**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.

* 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.

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

This 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.