Setting Up the Program:

1. Download Visual Studio or IDE of your choosing
2. Clone Project from Github <https://github.com/NLPatVCU/cs325_guiviz>.
3. You will need 3 terminals open to run this project locally. Run the following commands in the following directories within the project folder.
   1. ~/Api
      1. “python api.py”
      2. Note: If this does not work, you most likely need to install dependencies. Run “pip install -r requirements.txt”. If this does not work, you will need to manually install each dependency. This is done by repeatedly running “python api.py” and then running

“pip install <missing\_dependency\_name>”.

* 1. ~/web
     1. “npm start”
     2. Note: If running this for the first time and you receive an error, run “npm install”
  2. ~/web/node\_modules/cors-anywhere
     1. “node server.js”

1. This is an example script that will make starting this project very simple. The commands are identical as listed above. The top version is for mac users, and the bottom is for windows. **Note**: These commands will need to be adjusted to your machines specific path:

Mac: Create a file and name is something like “startScript.sh”. Copy the following into the file, update the paths, and save. You should then be able to run this from terminal and start the project from there.

# To Run in terminal enter: ./startScript.sh

#!/bin/bash

cd SeniorDesign

git pull

osascript -e 'tell application "Terminal" to do script "cd /Users/<user>/Desktop/SeniorDesign/cs325\_guiviz/Api; python3 api.py"'

osascript -e 'tell application "Terminal" to do script "node /Users/<user>/Desktop/SeniorDesign/cs325\_guiviz/web/node\_modules/cors-anywhere/server.js"'

cd cs325\_guiviz/web

npm start

Windows: Open a blank file, and name it something like “startScript.bat”. Paste the following into the file, update the paths, and then save. You can then double click it and it will run the commands.

start cmd /k python C:\Users\<user>\Desktop\cs325\_guiviz\Api\api.py

start cmd /k node C:\Users\<user>\Desktop\cs325\_guiviz\web\node\_modules\cors-anywhere\server.js

cd C:\Users\<user>\Desktop\cs325\_guiviz\web

npm start

Using the Program:

1. Once you have opened the program on your browser the first thing you need to do is locate the “Upload Files for Processing” button in the left sidebar. Click on this and it will prompt you to upload files. Some example files are located here:

SeniorDesign → Api → 2019.03.12\_SEED\_TOPICS\_AMY → data → the four files you need will be located here.

1. Select the Options tab.
2. Set “\*Threshold” parameter. For testing purposes “8” will work just fine.
3. Upload files to “\*TFIDF Corpus File Input”. For testing, these can be the same files uploaded in step 1.
4. Select the File Input tab.
5. Press Run