

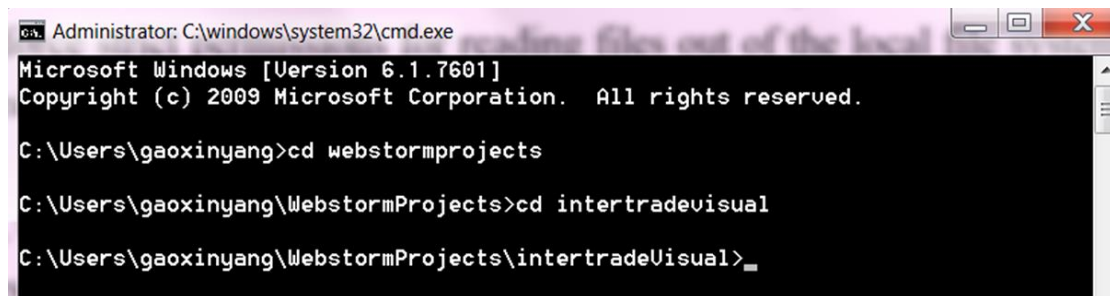
Data Visualization Final Project Guide

How to run the project?

The final project, World Trade Volume of 2011, is developed using D3.js library and HTML5. In the process of downloading data in D3, we can only use the 'url' of the data file which points to a file somewhere on the Internet. Since all my data files are stored locally, the browser may enforce strict permissions for reading files out of the local file system. So a local web server is needed.

At first, the project should be stored at somewhere on your computer, for me, it has been stored at C:\Users\gaoxinyang\WebstormProjects\intertradeVisual

Then, you should run 'cmd.exe' and use 'cd' command to get into the file of *intertradeVisual*.



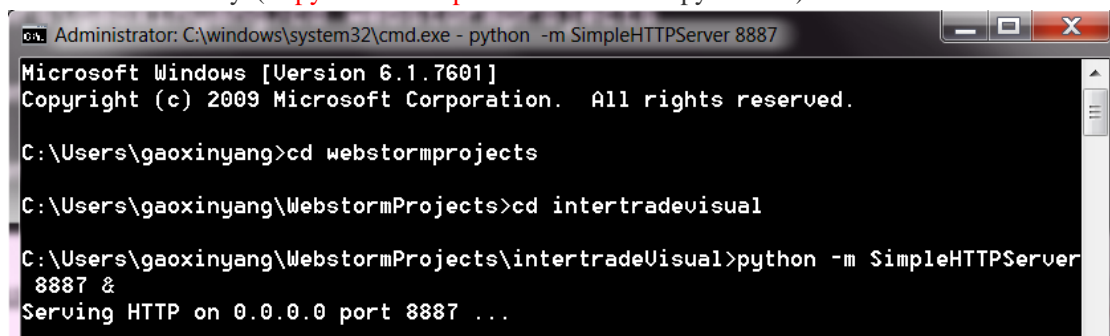
```
Administrator: C:\windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\gaoxinyang>cd webstormprojects

C:\Users\gaoxinyang\WebstormProjects>cd intertradevisual

C:\Users\gaoxinyang\WebstormProjects\intertradeVisual>_
```

After that, you can run the Python's built-in server, `python -m SimpleHTTPServer 8887 &` to open the web server easily. (or `python -m http.server 8887 &` for python 3+)



```
Administrator: C:\windows\system32\cmd.exe - python -m SimpleHTTPServer 8887
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\gaoxinyang>cd webstormprojects

C:\Users\gaoxinyang\WebstormProjects>cd intertradevisual

C:\Users\gaoxinyang\WebstormProjects\intertradeVisual>python -m SimpleHTTPServer
8887 &
Serving HTTP on 0.0.0.0 port 8887 ...
```

Once this is running, you can go to <http://localhost:8887/index.html> to see the project. If you need more information, please refer to <https://github.com/mbostock/d3/wiki>

Notice, the **port 8887** is necessary, since I used this port to develop my project. And it is better that you run it on **Chrome**.

In case you do not have python, you could download it at <http://www.python.org/getit/>. After that, you should go to computer – properties – advanced system setting – environmental variables – system variables, and find 'path', then add ;C:\Python** (the place you install your python) at the end.