

# Instructions

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Instruction on downloading, compiling and running the program.

1. Go to Yelp Website to download the dataset. (<https://www.yelp.com/dataset>)
2. Unzip the data files and put all files under 0.Data folder.
3. Run json\_to\_csv.py in 0.Data folder to convert json files to csv files.
4. Run preprocess.py in 1.Preprocess folder to generate "business\_preprocess.csv", "review\_preprocess.csv" and "user\_preprocess.csv".
5. Run recommendation\_popularity\_based.py in 2.Popularity\_based folder to obtain results for popularity based.
6. Run recommendation\_content\_based.py in 3.Content\_based folder to obtain results for content based.
7. Run CF\_Preprocess.py to preprocess the data in 4.Collaborative Filtering folder and then run CF\_user\_user.py and CF\_business\_business.py to get results for similarity based.
8. Run Matrix\_F.py and NN.py in 5.MF and NN folder to get results for model based.

IDE: Anaconda-Spyder with python 3.6

1. Open each folder and set to current directory. (e.g. where the json\_to\_csv.py is)
2. Execute the programs.