

1. Data_Processing.ipynb : This file includes the pre-processing the dataset B, and contains the networking processing to build graphs (Procedure step 1 in report).
2. Re_Score_each_product.ipynb: This file includes the re-scoring process for each product from dataset A. (Procedure step 2 in report)
3. Text_mining_and_Polarity_Analysis.ipynb: This file includes the review text (in dataset A) clean process and sentiment process. (Procedure step 3 in report)
4. train_word2vec: This file includes the word2vec training process for providing the similarity score.(Procedure step 4 in report)
5. gui_music_recommend_system.py: This file contains the final recommendation algorithm and the User Interface design and web-scraping process. (Procedure 5 and algorithm part in report)

The dataset is from <http://jmcauley.ucsd.edu/data/amazon/links.html>, the code should be run as steps given above.