CS384 2022 Assignment 7 - Octant Batch Processing and Merging of Assignment Tut01-05

Mayank Agarwal

Python 3.8.10 Install Instruction https://pastebin.com/nvibxmjw

Deadline: 5th Nov, 2022. 23:59. All of your git repos shall be pulled after that. That will be the version which will be checked.

Warning: Sharing is Caring is good for cat videos. Sharing of program may lead to plagiarism and would effect in 0 to both.

Doubts: All Doubts relating to CS384 2022 Assignment shall be posted on Google Form

https://docs.google.com/forms/d/e/1FAIpQLSdS5liTGiRaluDIDARL7FH-XwN4oBJ1ZvE8f5cPcMaxftK44w/viewform?usp=sf_link

I will respond to the queries here:

https://docs.google.com/spreadsheets/d/1QiKySHoGXoG8hOUhG7saDMI7eV4yOqK2LCTY2bt-Lys/edit?usp=sharing

Please avoid email / wa / dm

So common doubts can be solved and we shall be able to keep track in an organized manner.

Pull This Git Repo - https://github.com/Cs3842022/CS384_2022 and copy the tut07 to your repo folder.

Git Requirements: At least 5 git commits should be there with meaningful comments (at least 4 words)

The entire code must be into multiple try, except block: Multiple Try Except should be the part of the code, so that if there is an error in a new file, the program throws the exception and does not stop. Also the number of rows should be read such that files bigger/smaller than this should be able to run by your code.

Library Requirements: You can use csv, pandas, or any other library / inbuilt module, but for evaluation you need to explain each line of code.

Help: How to tag the Octant. Please refer https://youtu.be/S5L43QT-gNs [Already placed in Tutorial 1]

Data Pre-processing: Subtracting mean from the original velocities and then working on the new values. https://youtu.be/R_epLjJzarU [Already placed in Tutorial 1]

Tasks: Details in the video: https://youtu.be/yKTSCpzFkss.

Input File: All files of the input/ folder.

Output File: All input files of the input/ folder into the output/ folder with the string.

Imp:

1. Excel Border Lines (black) should come as shown

2. Rank 1 should be highlighted in Yellow

3. Col L, AG, AR, AV are the cols that should be empty.

4. Keep decimal to 3 digits.

Sample Example is there in: sample_output_octant_analysis_mod_5000.xlsx

Slight Modification in tut07
https://youtu.be/fIaR5ZtqYws

The yellow highlight needs to be applied to the Overall Transition Count, (check the video for details)