Small project

Start Assignment

- Due 22 Apr by 14:00
- Points 30
- Submitting a file upload
- File types py, doc, pdf, docx, and odt
- Available 8 Mar at 18:00 - 25 Apr at 23:59

Basic information

Title: Coding project
% of final grade: 30%
Format of submission: Python code + short report
Duration: at least 6 weeks
The submission deadline is: 18 April 2024, 14:00
This assignment will be available until: 21 April 2024, 23:59

Important:
a) Angles are in radians, unless stated otherwise;
b) When rounding, you must keep at least two significant digits

Please, download

1) the **assignment brief:** **Project_brief.pdf (https://herts.instructure.com/courses/111972/files/8417431?wrap=1) (https://herts.instructure.com/courses/111972/files/8417431/download?download_frd=1)**

2) your **data files** (please, read the brief first to find out which data files you need):

Last digit of student ID number	File 1	File 2
0	**2020input0.csv (https://herts.instructure.com/courses/111972/files/8417845?wrap=1) (https://herts.instructure.com/courses/111972/files/8417845/download?download_frd=1)**	**2024input0.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)**
1	**2020input1.csv (https://herts.instructure.com/courses/111972/files/8417846?wrap=1) (https://herts.instructure.com/courses/111972/files/8417846/download?download_frd=1)**	**2024input1.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)**
2	**2020input2.csv (https://herts.instructure.com/courses/111972/files/8417847?wrap=1)**	**2024input2.csv (https://herts.instructure.com/cours**

	(https://herts.instructure.com/courses/111972/files/8417847/download?download_frd=1)	(https://herts.instructure.com/cours download_frd=1)
3	2020input3.csv (https://herts.instructure.com/courses/111972/files/8417848?wrap=1) (https://herts.instructure.com/courses/111972/files/8417848/download?download_frd=1) (https://herts.instructure.com/courses/111972/files/8417849?wrap=1)	2024input3.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)
4	2020input4.csv (https://herts.instructure.com/courses/111972/files/8417849?wrap=1) (https://herts.instructure.com/courses/111972/files/8417849/download?download_frd=1)	2024input4.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)
5	2020input5.csv (https://herts.instructure.com/courses/111972/files/8417850?wrap=1) (https://herts.instructure.com/courses/111972/files/8417850/download?download_frd=1)	2024input5.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)
6	2020input6.csv (https://herts.instructure.com/courses/111972/files/8417851?wrap=1) (https://herts.instructure.com/courses/111972/files/8417851/download?download_frd=1)	2024input6.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)
7	2020input7.csv (https://herts.instructure.com/courses/111972/files/8417852?wrap=1) (https://herts.instructure.com/courses/111972/files/8417852/download?download_frd=1) (https://herts.instructure.com/courses/111972/files/8417853?wrap=1)	2024input7.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)
8	2020input8.csv (https://herts.instructure.com/courses/111972/files/8417853?wrap=1) (https://herts.instructure.com/courses/111972/files/8417853/download?download_frd=1) (https://herts.instructure.com/courses/111972/files/8417854?wrap=1)	2024input8.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1) (https://herts.instructure.com/cours
9	2020input9.csv (https://herts.instructure.com/courses/111972/files/8417854?wrap=1) (https://herts.instructure.com/courses/111972/files/8417854/download?download_frd=1)	2024input9.csv (https://herts.instructure.com/cours (https://herts.instructure.com/cours download_frd=1)

This assignment assesses the following module learning outcomes:

- Demonstrate knowledge and understanding of relevant computational algorithms and the fundamentals of probability, information and statistical methods

- Demonstrate knowledge and understanding of producing appropriate algorithms for solving data analysis problems
- Be able to apply basic mathematical skills to simple data science problems
- Be able to choose and apply suitable algorithms to analyse a given dataset

Additional information for students

- The automated Canvas lateness penalty will apply to submissions after **Due** time but before **Available Until** time.
- Submissions after Available Until time will **NOT** be accepted. If you miss the deadline, (a) you may be eligible to apply for Serious Adverse Circumstances: **https://ask.herts.ac.uk/serious-adverse-circumstances-sac (https://ask.herts.ac.uk/serious-adverse-circumstances-sac)** **or** (b) UPR AS14 D52.2.2 and D5.2.2.3 will apply ("*Where a module numeric grade of 19 or less has been achieved through unintended non-submission of coursework or non-attendance at an examination or in-class test, Module Boards and Short Course Boards have the discretion to award a FREFE/FREFC/FREFB status code*").
- This is an individual assignment. Regulations governing academic integrity and academic misconduct apply, see: **https://www.herts.ac.uk/__data/assets/pdf_file/0007/237625/AS14-Apx3-Academic-Misconduct.pdf (https://www.herts.ac.uk/__data/assets/pdf_file/0007/237625/AS14-Apx3-Academic-Misconduct.pdf)**
- For postgraduate modules, a score of 50% or above represents a pass mark