UNIVERSITYOF HERTFORDSHIRE
School of Engineering and Computer Science

COURSEWORK ASSIGNMENT

Module Title: Foundations of Data Science	**Module Code: 7COM1073**
Assignment Title: Data Classification	**Individual Assignment: Yes**
Tutor: Dr. Yi Sun	**Internal Moderator**: Dr. Shabnam Kadir

Student ID Number **ONLY**:	Year Code:

Marks Awarded: %:	Marks Awarded after Lateness Penalty applied %:

Penalties for Late Submissions

- Late submission of any item of coursework for each day or part thereof (or for hard copy submission only, working day or part thereof) for up to five days after the published deadline, coursework relating to modules at Levels 0, 4, 5, 6 submitted late (including deferred coursework, but with the exception of referred coursework), will have the numeric grade reduced by 10 grade points until or unless the numeric grade reaches or is 40. Where the numeric grade awarded for the assessment is less than 40, no lateness penalty will be applied.
- Late submission of referred coursework will automatically be awarded a grade of zero (0).
- Coursework (including deferred coursework) submitted later than five days (five working days in the case of hard copy submission) after the published deadline will be awarded a grade of zero (0).
- Where genuine serious adverse circumstances apply, you may apply for an extension to the hand-in date, provided the extension is requested a reasonable period in advance of the deadline.

Please refer to your student handbook for details about the grading schemes used by the School when assessing your work. Guidance on assessment will also be given in the Module Guide.

Guidance on avoiding academic assessment offences such as plagiarism and collusion is given at this URL: http://www.studynet.herts.ac.uk/ptl/common/LIS.nsf/lis/citing_menu

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ASSIGNMENT BRIEF

Students, you should delete this section before submitting your work.

This Assignment assesses the following module Learning Outcomes (Take these from the module DMD):

1. Have knowledge and understanding of the fundamental mathematical ideas behind data science;
2. Have knowledge and understanding of relevant computational algorithms and the fundamentals of probability, information and statistical methods;
3. Have knowledge and understanding of producing and appreciating algorithmic definitions to provide useful data science analysis;
4. Be able to apply basic mathematical skills to simple data science problems;
5. Be able to implement algorithms and programs to analyze a given dataset;
6. Be able to make sensible recommendations of the nature of the data analyzed.

Assignment Brief:

The coursework includes two parts and each part has a different submission deadline. Details can be seen in the assessment description.

Submission Requirements:

Submitted via Canvas.

This assignment is worth 75 **%** of the overall assessment for this module.

Marks awarded for: 19% checking the skills of critical discussion and writing report;

37% checking if the student has knowledge and understands the fundamental idea behind algorithms and the principles of data science;

44% checking the student's Python programming skills

A note to the Students:

1. For undergraduate modules, a score above 40% represent a pass performance at honours level.
2. For postgraduate modules, a score of 50% or above represents a pass mark.
3. Modules may have several components of assessment and may require a pass in all elements. For further details, please consult the relevant Module Guide or ask the Module Leader.

Typical (hours) required by the student(s) to complete the assignment: 40 hours

Date Work handed out:	**Date Work to be handed in:**	**Target Date for the return of the marked assignment:**
04/11/2019	By noon on 22/11/2019 for Part One; Demo: 25/11/2019 and 27/11/2019 By noon on 20/12/2019 for Part two	17/01/2020

Type of Feedback to be given for this assignment:

Part One: individual feedback will be given during the demo; overall feedback will be given in the lecture.

Part Two: individual feedback will be given on Canvas.