

Assessment Number	1
Assessment Type and Weighting	Coursework (100%) 5000 words
Assessment Name	Portfolio
Assessment Submission Date	Wednesday 11 September 2024

Learning Outcomes Assessed:

LO1: Critically analyse and interpret complex data sets using statistical techniques and programming tools.

LO2: Critically evaluate and communicate data-driven insights effectively through visualizations.

LO3: Develop and apply advanced data analysis techniques to provide actionable insights to real-world problems and evaluate the ethical implications of data analysis and visualization practices.

Assessment instructions

This assessment requires you to write a portfolio. The specific title of your portfolio is up to you and should represent the content of your portfolio.

Specifically, you should:

- Collect any use full data from a government or organisation website
- Based on the dataset(s), draft at least three appropriate research questions that you are able to answer with data analysis
- Identify and discuss suitable data analysis approaches you think are suitable for analysis of your dataset(s). Explain why your chosen approach is appropriate for data analysis
- Evaluate the ethical implications of data analysis and visualisation practices
- Investigate the dataset(s) and identify at least three programming tools that can be used for data analysis and visualisation. Choose which tool(s) is suitable for answering the research questions you drafted and justify your choice.
- Use statistical methods to perform critical analysis of your dataset(s) and interpret results of your analysis
- Use visualisations to evaluate and communicate insights and trends from your dataset(s)
- Propose an evidence-based and reasoned solution(s) to the drafted research questions. This means using issues identified from the dataset(s) to help the government/organisation to use make informed decisions.

If you have an alternative idea this can also be used with the agreement of your tutor. Note that your paper will need to address all three of the learning outcomes at the top of this page to achieve a passing grade.

Guidelines and Requirements:

- Your report should be produced in a professional **report style** and should contain a **maximum of 5000 words excluding the title page, table of contents, list of figures and tables, code, conclusion, references, and appendices sections.**
- You should include a word-count at the end of the assessment (excluding code, references, figures, tables, conclusion and appendices).
- The report must be well-structured with a title page (student name, number, name of module instructor, date, and time of the workshop session), table of contents, appropriate headings, and page numbering.
- Written assessments should be word-processed in Calibri Light font size 12. There should be double-spacing and each page should be numbered.
- The tables and figures must be properly labelled
- The code snippets must be numbered.
- This is an individual piece of work and is worth 100% of the module mark.
- The file name should be saved as DAT7301_Student-number.
- Only one-time Turnitin submission is allowed.
- The pdf version of the report must be submitted only through Turnitin Link and no report is to be emailed or sent on Teams.
- Student may be asked to present or reflect on the submitted report.
- It is expected that the Reference List will contain between **fifteen to twenty sources**. As a MINIMUM, the Reference List should include five refereed academic journals and three academic books. All written work should be referenced using the standard University of Bolton referencing style— see: <https://libguides.bolton.ac.uk/resources/referencing/>
- Harvard Referencing should be used for this assignment.
- Do not use any AI tool for preparing the assignment.
- Avoid using Grammarly, Paraphrasing tools or any other similar tools.
- Please note: the deadline for submitting your report is **11th September 2024 (12:00 PM)**. Please submit the correct and completed report well before time. We suggest submitting your work before 10th September 23:59 PM. Extension request won't be taken into consideration. Also, you are responsible for uploading the correct report on the Turnitin submission link.

- Requests from students to delete submissions on grounds of high plagiarism or submission of incorrect reports will not be entertained.

Feedback dates are based on the University of Bolton's fifteen working day feedback policy. Some dates may have been adjusted to consider holiday periods.

Specific Assessment Criteria:

This assignment will be marked according to the standard HE7 assessment criteria published at the end of the module guide. Assessment criteria: The Relevance, Knowledge and understanding, Argument/Analysis, Presentation and Structure, Written English, Research quality, and Referencing.

General assessment Criteria Guidelines – Level HE7

Distinction (70% and above)

An excellent critical synthesis of the leadership behaviour (styles) and skills literature will be provided. Relationships between concepts will be expertly elicited. A justified and critical evaluation of your own leadership strengths and weaknesses will be set out and theory expertly linked to findings. Areas and strategies for personal development will be expertly summarised, comprehensively justified and set out in a detailed leadership development plan. Reflections will be succinct, insightful and original.

Extensive research demonstrating use of a wide range of contemporary and seminal sources will be evident. Academic writing style, English and referencing will be excellent.

Merit (60% -69%)

A comprehensive critical synthesis of the leadership behaviour (styles) and skills literature will be provided. Relationships between concepts will be well elicited. A clear and critical evaluation of your own leadership strengths and weaknesses will be set out and theory linked well to findings. Areas and strategies for personal development will be well summarised, well justified and set out in a clear leadership development plan. Reflections will be succinct and original.

Research demonstrating use of a wide range of relevant research sources will be evident. Academic writing style, English and referencing will be good.

Pass (50%-59%)

A critical synthesis of the leadership behaviour (styles) and skills literature will be presented. Relationships between concepts will be clearly drawn out. A critical evaluation of your own leadership strengths and weaknesses will be set out with theory linked to findings. Areas and strategies for personal development will be clearly summarised and justified, and set out in a leadership development plan. Some original reflections will be presented.

Research demonstrating use of a range of relevant research sources will be evident. Academic writing style, English and referencing will be satisfactory.

Fail (Below 50%): Students who do not meet the requirements of the Pass criteria will not successfully complete the assessment activity.

Assessment Criteria and Feedback

Relevant Learning Outcomes <i>Please see Module Specification</i>					Achieved? Y/N
LO1: Critically analyse and interpret complex data sets using statistical techniques and programming tools.					
LO2: Critically evaluate and communicate data-driven insights effectively through visualizations.					
LO3: Develop and apply advanced data analysis techniques to provide actionable insights to real-world problems and evaluate the ethical implications of data analysis and visualization practices.					
Feedback					
<i>Please also refer to the General Assessment Guidelines for Written Assessments for the relevant level</i>	Excellent	Good	Satisfactory	Needs some development	Needs much more development
Relevance to the brief and Learning Outcomes					
Knowledge and understanding -Cognitive awareness of the subject area					
Argument/Analysis appropriate to the level					
Reflection in relation to own work and ethical					
Research - Quality and range of research sources employed					
Referencing in the text and in the Bibliography or Reference List					
Written English including style, flow, clarity and spelling/grammar/punctuation					
Presentation and Structure including planning and layout					

