2. Group Project Presentation (40%)

Assessment 2: Group Project Presentation

Due Date: 11 September 2025, 14:00 ACST (Darwin local time)
Weighting: 40%
Group Size: 4 students

This assessment must be completed in a group. Individual work submissions will not be accepted.

This assessment requires that your team address **Objective 1** <u>only</u>**,** which is outlined in the **Project and Data Brief** document. Go to the folder **Unit Assessment > Project and Data Brief**. You must carefully read this document.

We expect that you apply the data science skills learned in Weeks 1 to 5 of this unit.

All your data analyses and/or data visualisations must be done in Python; you will not receive any marks using any other tool, such as Microsoft Excel. Microsoft Excel must not be used apart from gaining the initial understanding of the provided datasets.

To make this assessment as authentic to the real-world data science projects as possible, note that the project Objective is intentionally presented as a high-level, open-ended requirement. This not only allows a diversity of approaches to tackling the problem but also tests your team's ability to solve the problem independently (rather than being told exactly what to do). Although a demonstration of *in-depth* technical understanding of the domain problem (as given in the Project and Data Brief) is not a requirement to pass this assessment, gaining some understanding of the problem domain will help you succeed in this assessment.

Grading

Please see the grading rubric for detailed marking criteria. Your instructor reserves the right to further differentiate individual grades where necessary, as explained in the section "Individual Marks" below.

Deliverables

Submit your work no later than the stated due date of this assignment to avoid late submission penalties:

A recorded group presentation:
1 URL to a recorded presentation per team published as 'unlisted' on YouTube. Do not submit multiple recordings. Do not submit any recording file unless requested specifically by your lecturer.

This recorded presentation is expected to include (but not limited to) a justification of your objective, analytical approach, results, relevant discussions, and conclusion. Please double-check the Project and Data Brief document (Project Objective 1) for additional requirements.

Up to 2.5 minutes of presentation is required from **each team member**. A team is expected to produce no more than 10 minutes of presentation in total duration, +/- 30 seconds. Exceeding this maximum requirement may attract a mark penalty.

A facial appearance in the presentation is allowed but not required.

Python codes:
1 URL to a OneDrive / GitHub / BitBucket repository containing all Python files and the dataset used for this assessment

AI usage declaration form:
A copy of the signed AI Usage Declaration Form:
  • Include a clear acknowledgement of the use of generative AI.
  • A reflective account of the use of generative AI in the project, accompanied by well-documented prompts and interaction evidence.
  • Please use the following template:

📄 **AI Usage Declaration Form.docx**

Other relevant supporting materials (optional):
You may submit any supplementary items to further address the marking rubric requirement.

Submission Guidelines

Please submit one (1) .zip file containing:

  • YouTube link of the recorded presentation
  • A copy of AI Usage Declaration Form signed by all team members
  • A text file (.txt) containing a link to Python codes on OneDrive, GitHub or BitBucket.

Submit your .zip file via Learnline *no later than* the stated due date of this assignment.
  • Email submissions will not be accepted.
  • Do not submit multiple documents.
  • Late submission penalty may apply. See CDU policy: https://policies.cdu.edu.au/view-current.php?id=177#major4 (https://policies.cdu.edu.au/view-current.php?id=177#major4)

Originality

Do not plagiarise from other student groups.

Do not engage in contract cheating. Providing contract cheating services is a criminal offence in Australia, punishable by imprisonment and/or hefty fines. Reference: https://universitiesaustralia.edu.au/media-item/cheating-the-system/ (https://universitiesaustralia.edu.au/media-item/cheating-the-system/)

You may choose to use generative AI tools (e.g., ChatGPT, Gemini, DeepSeek or others) to brainstorm or assist with generating non-critical elements of your Python code. You must ensure you have a clear understanding of all elements of your code and their functionality.

In preparing the presentation, you **must not** use AI tools (e.g., ChatGPT, Gemini, DeepSeek or others) to write and conceptualise the first draft of your slides. This is an important stage where students are expected to clearly demonstrate their original thoughts, ideas and approach to presentations. You may use AI tools to improve the clarity of your presentation content at a later stage and/or to supply non-critical details and background information. If so, these must be clearly acknowledged in your AI Usage Declaration Form that is signed by all.

The group mark will **not** be released in the absence of the mandatory AI Usage Declaration Form.

Violating the originality requirement may constitute a serious breach of academic integrity, leading to significant loss of marks or even not passing the unit.

Individual Marks

This unit is committed to ensuring that each team member contributes his or her fair share of the group work.

All student have the responsibility to clearly document their contributions. Failure to provide satisfactory evidence of individual contributions may result in loss of marks or not passing this assessment for the student involved.

All teams **must** document their creative process on Microsoft Teams. Other platforms (WhatsApp, Facebook, Discord, etc.) **should not** be used as evidence of collaboration without any prior agreement with the campus lecturer. The group mark may not be released to the students if this requirement is not met by the submission due date.

Your interaction with your team members on Microsoft Teams will be closely monitored and may be used to further differentiate individual marks. Your instructor reserves the right to differentiate individual grades where appropriate.

If in doubt, please contact your campus lecturer.

Academic integrity and assessment irregularities

Academic integrity is a core value at CDU and must be upheld at all times when completing this assignment. You must not plagiarise the work of others. Please refer to the Students - Breach of Academic Integrity Procedures (https://www.cdu.edu.au/current-students/student-code-conduct/academic-integrity).

Other assessment irregularities are governed by CDU's Higher Education Assessment Procedures (https://policies.cdu.edu.au/view-current.php?id=177).

Attach the .zip file in the submission space below.