

3.3 Assessment tasks

ASSESSMENT TASK 1: PROBLEM SCOPING

Aligned subject learning outcomes	<ul style="list-style-type: none">• Explain the principal processes of a data science consultancy• Describe and discuss the main methods employed by data science consultants to conduct business research, diagnose problems and develop solutions for better business outcomes• Present advice effectively in a graphic form to a senior executive audience for their consideration, decision-making and implementation.
Work-based skills	<ul style="list-style-type: none">• Distinguish client problems and opportunities that may require management consultancy• Identify and assess different roles of management consultancy• Understand the differences in terms of roles and benefits between external and internal management consultancy.
Group or individual	Individual
Length	Two A4 pages or one A3 page
Weighting	15%
Due date	Due 11.59 pm Sunday, Week 2

ASSESSMENT TASK 1: DESCRIPTION

In this subject, you will form discrete teams to complete a data science consultancy project for an organisation facing a data challenge. Each individual in the group will need to articulate, from a data science consultant's point of view, the critical issues to consider when undertaking a consultancy assignment. Assessment 1 is to be undertaken prior to working in groups. Navigate to the 'Group project selection' task found in Assessment module and select a desired project for you to work on in this subject. Projects will be available for selection along with briefing documents in the O Week module.

Main assessment activity

1. Select your desired group project on LearnJCU in the Assessment module.
2. Complete preliminary research for the project by:
 - a. Describing and scoping the data science problem assigned to the group and researching the organisation
 - b. Identifying the process and methods of data science consulting necessary to deliver the project
 - c. Identifying the roles necessary to complete this project
 - d. Identifying the team members you are working with and selecting a preferred role. Justify your choice using your key skills and professional experience.
3. Present this in a mind map or infographic. This should not be more than two A4 pages or one A3 page. Below are some tools that can assist you in preparing the infographic.
 - a. [Piktochart](#)
 - b. [Canva](#)
 - c. [Miro](#)

- d. [Mindmap \(MindMeister\)](#)
 4. Attend a meet-and-greet session with your project stakeholder. This will be pre-arranged. Your tutors will announce the date and time of this session. You may use this time to:
 - a. Present or talk through the information you have gathered regarding the project
 - b. Ask the stakeholder any further questions to understand what solution they are looking for, such as their long-term objective.
- Note:** If you are unable to attend the meet-and-greet session, please watch the video recording.
5. Add a section titled 'Additional information from the project stakeholder' to your mind map or infographic outlining what else you have learnt from your meet-and-greet with the stakeholder.

Assessment submission guidelines

Your submission for Assessment 1 should be uploaded to LearnJCU as one file meeting the following conditions:

- Filename: A1_firstname_lastname.pdf
- Length: 500 words (+/-10%)
- Page count: A maximum of two A4 pages or one A3 page.
- Formatting: 12pt font size.

You can upload as many times as you want, but only the last submission is graded.

Note: If you use MS Word or any other program, save your work as a PDF for submission.

ASSESSMENT TASK 1: CRITERIA SHEET (15%)

Criteria	HD	D	C	P	F
Identification of project scope and affiliated organisation (5 marks)	Systematically and accurately identifies the specific data science problem scope and background information on the affiliated organisation.	Accurately identifies the specific data science problem scope and background information on the affiliated organisation.	Clearly identifies the specific data science problem scope and background information on the affiliated organisation with minor inaccuracies.	Identifies core information on the data science problem scope and background information on the affiliated organisation with some inaccuracies.	Demonstrates limited or no identification of the specific data science problem scope and/or background information of the affiliated organisation.
Identification of the process and methods in data science consulting (5 marks)	Systematically and logically identifies the process and methods of data science consulting for the delivery of their project.	Logically identifies the process and methods of data science consulting for the delivery of their project.	Identifies most of the process and methods of data science consulting for the delivery of their project.	Identifies the major process and methods of data science consulting for the delivery of their project with some inaccuracies.	Limited or no identification of the process and methods of data science consulting for the delivery of their project.
Identification of roles (5 marks)	<p>Clearly and succinctly describes all the key roles required to complete the project.</p> <p>Accurately and succinctly lists all team members in the project and a description of their expertise.</p> <p>Clearly and logically justifies the learner's preferred role(s) in the project using evidence of key skills and professional experience.</p>	<p>Clearly describes all the key roles required to complete the project.</p> <p>Accurately lists all team members in the project and a description of their expertise.</p> <p>Clearly justifies the learner's preferred role(s) in the project using evidence of key skills and/or professional experience.</p>	<p>Clearly describes most of the key roles required to complete the project.</p> <p>Clearly lists team members in the current project with some description of their expertise.</p> <p>Mostly justifies the learner's preferred role(s) in the project using evidence of key skills and/or professional experience.</p>	<p>Describes the key roles required to complete the project.</p> <p>Lists most team members in the current project with some description of their expertise.</p> <p>Unclear justification of the learner's preferred role(s) in the project using evidence of key skills and/or professional experience.</p>	<p>Limited or no description of key roles required to complete the project. Limited or no description of team members and their expertise is present. Limited or no justification of the learner's preferred role(s), without mention of key skills and/or professional experience.</p>