

DATA7001 Case Study Task

Due Friday March 17, 16:00, submit via Blackboard (through the Turnitin link)

10 Marks, Individual

In this assignment, you will conduct a case study of previous reports from DATA7001 students. This will give you an opportunity to see what other students have done in the past, and will get you thinking more deeply about the data science process.

To facilitate this case study, we have placed six outstanding reports in the following directory:

[Assessment > Case Study \(10%\) > Examples of Previous Reports](#)

Details are provided in the following table:

ID	Document	Report Title
1	report1.pdf	Predicting nations Olympic medal performance
2	report2.pdf	Analysis of the environmental factors which influence the rate of drug offences in Queensland LGAs
3	report3.pdf	<u>Unemployment In Queensland</u>
4	report4.pdf	Analysis of Offences and Crime in Queensland
5	report5.pdf	Correlation Analysis between Assets and Uncertainty: A case study on Bitcoin fluctuation during COVID-19
6	report6.pdf	<u>Should NBA Teams Attempt More 3-Point Shots?</u>

Please read these reports carefully and consider the following questions:

- Why was this analysis carried out? What value can it bring to stakeholders? Who may the stakeholders be?
- What was the form and format of the data used? What can you say about the data size and specific format?
- Based on what you can understand – what tools/algorithms/methods were used in the analysis? You don't have to understand it all, but we expect you to do some investigation to better understand what their purpose is.
- How can such analysis affect decisions? What are important questions that need to be solved?
- Imagine you were speaking to stakeholders associated with these datasets. What questions would you ask?

After reading the **six** reports, please choose the **two** that interest you most. For these two, answer the above questions A~E with one paragraph each. Your answer should be in paragraph form with the questions highlighted above and your paragraph answer below. Submit a formatted PDF document. Make sure to place your name and student id on top. Your PDF file name should be named like: [caseStudy_1_4.pdf](#) if you choose to work on Project Reports 1 and 4. An example of how to format the file is in the following pages.

Grading

This assessment is worth 10% of your final grade for DATA7001.

There are ten questions in total (A-E across two reports), each weighted at 0.9 marks – 9 marks total.

Each paragraph should address the question and be written clearly with correct spelling and grammar.

Content should also be relevant and accurate; partial marks may be given where minor errors are present.

The other remaining mark will be dedicated to formatting. This mark will be lost if:

- The name or student identifier is missing at the top of the report;

- A vastly different report format is used; or
- The case study is conducted on any more or less than **two** reports.

Note

We appreciate the generous contributions from our former students by agreeing us to use their Project Reports as teaching resources. We encourage your team to make the same contribution for the future cohorts of students. Please remember that the reports are for coursework only, and you should not redistribute them.

Name: Example Name
Student id: s12345678

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Case Study Assignment

For this case study, I decided to consider Reports 2 and 4.

Report 2: Example Title of Report 2

A. Why was this analysis carried out? What value can it bring to stakeholders? Who are the stakeholders?

[illegible]

B. What was the form and format of the data used? What can you say about the data size and specific format?

[illegible]

C. Based on what you can understand - what tools were used in the analysis? You don't have to understand all of the tools used - but look some of them up to see what is the purpose?

[illegible]

D. How can such analysis affect decisions? What are important questions that need to be solved?

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D. How can such analysis affect decisions? What are important questions that need to be solved?

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E. Imagine you were speaking to stakeholders associated with these datasets. What questions would you ask?

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