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Peer Review: Final Assignment

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## **Peer Review: Final Assignment**

You have recently been hired as a Data Scientist by a global organization, known for its innovation and data-driven culture. To support your first assignment, you will leverage the data science methodology, a framework which is used by data scientists to solve problems and achieve their defined goals.

In this assignment, you are asked to demonstrate your understanding of the data science methodology by applying the methodology to a problem of your choosing. As a first step, select one of the following industries:

1. Airline Industry
2. Retail Pharmacies Industry

Representing both the client and yourself as the data scientist, you will describe a problem of your choosing that is specific and related to the industry you selected.

Please note that this assignment is worth 10% of your final grade.

This assignment will be graded by your peers who are also completing this course during the same session.

PEER REVIEW SUBMISSION FOR QUESTION 1

This assignment has several steps. In the first step, you'll provide a response to the prompt. The other steps appear below the **Your Response** field.

▼ | **Your Response** due Jan 1, 2029 08:00 +08 (in 8 years, 10 months) **IN PROGRESS**

Enter your response to the prompt. You can save your progress and return to complete your response at any time before the due date (Monday, Jan 1, 2029 08:00 +08). **After you submit your response, you cannot edit it.**

The prompt for this section

Which industry did you select to apply the data science methodology? (2 marks)

Your response (required)

Enter your response to the prompt above.

Save your progress

THIS RESPONSE HAS NOT BEEN SAVED.

You may continue to work on your response until you submit it.

Submit your response and move to the next step

Learn to Assess Responses **NOT AVAILABLE**

Assess Peers due Jan 1, 2029 08:00 +08 (in 8 years, 10 months) NOT AVAILABLE

▸ Your Grade: Not Started

## PEER REVIEW SUBMISSION FOR QUESTION 2

This assignment has several steps. In the first step, you'll provide a response to the prompt. The other steps appear below the **Your Response** field.

▼ Your Response due Jan 1, 2029 08:00 +08 (in 8 years, 10 months) IN PROGRESS

Enter your response to the prompt. You can save your progress and return to complete your response at any time before the due date (Monday, Jan 1, 2029 08:00 +08). **After you submit your response, you cannot edit it.**

### The prompt for this section

Next, you will represent both the client and the data scientist. Using the industry that you selected, complete the Business Understanding stage by identifying a problem that you would like to solve and phrasing it in the form of a question to be answered using data. (3 marks)

You are required to:

1. Describe the problem, related to the industry you selected.
2. Phrase the problem as a question to be answered using data. For example, using the food recipes use case discussed in the labs, the question that we defined was "Can we automatically determine the cuisine of a given dish based on its ingredients?"

Your response (required)

Enter your response to the prompt above.

Save your progress

THIS RESPONSE HAS NOT BEEN SAVED.

You may continue to work on your response until you submit it.

Submit your response and move to the next step

Learn to Assess Responses NOT AVAILABLE

Assess Peers due Jan 1, 2029 08:00 +08 (in 8 years,  
10 months) NOT AVAILABLE

▸ Your Grade: Not Started

### PEER REVIEW SUBMISSION FOR QUESTION 3

This assignment has several steps. In the first step, you'll provide a response to the prompt. The other steps appear below the **Your Response** field.

▼ Your Response due Jan 1, 2029 08:00 +08 (in 8 years,  
10 months) IN PROGRESS

Enter your response to the prompt. You can save your progress and return

to complete your response at any time before the due date (Monday, Jan 1, 2029 08:00 +08). **After you submit your response, you cannot edit it.**

#### The prompt for this section

Briefly explain how you would complete each of the following stages of the methodology for the problem that you described in the Business Understanding stage so that you are able to answer the question that you came up with. (5 marks):

1. Analytic Approach
2. Data Requirements
3. Data Collection
4. Data Understanding and Preparation
5. Modeling and Evaluation

You can refer to the labs as a reference to describe how you would complete each stage for your problem.

#### Your response (required)

Enter your response to the prompt above.

Save your progress

THIS RESPONSE HAS NOT BEEN SAVED.

You may continue to work on your response until you submit it.

Submit your response and move to the next step

Learn to Assess Responses

NOT AVAILABLE

**Assess Peers** due Jan 1, 2029 08:00 +08 (in 8 years,  
10 months)

NOT AVAILABLE

► Your Grade: Not Started

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