**From Deployment to Feedback**

**LATEST SUBMISSION GRADE**

90%

1.Question 1

The final stages of the data science methodology are an iterative cycle between which of the different stages?



Modelling, Data Preparation, Deployment, and Feedback.



Data Understanding, Data Preparation, Evaluation, and Modelling.



Modelling, Evaluation, Data Understanding, Data Preparation, and Deployment.



Modelling, Evaluation, Deployment, and Feedback.

**Correct**

Correct.

**1 / 1 point**

2.Question 2

Feedback is not required once the model is deployed because the Model Evaluation stage would have assessed the model and made sure that it performed well.



True



False

**Correct**

Correct.

**1 / 1 point**

3.Question 3

Deploying a model into production represents the end of the iterative process that includes Feedback, Model Refinement, and Redeployment.



True.



False

**Correct**

Correct.

**1 / 1 point**

4.Question 4

The data science methodology is a specific strategy that guides processes and activities relating to data science only for text analytics.



False.



True.

**Correct**

Correct.

**1 / 1 point**

5.Question 5

A data scientist determines that building a recommender system is the solution for a particular business problem at hand. What stage of the data science methodology does this represent?



Analytic Approach.



Deployment.



Model Evaluation.



Modeling.

**Correct**

Correct. The selection of a model to use should happen in the Analytic Approach stage.

**1 / 1 point**

6.Question 6

A car company asked a data scientist to determine what type of customers are more likely to purchase their vehicles. However, the data comes from several sources and is in a relatively “raw format”. What kind of processing can the data scientist perform on the data to prepare it for the Modeling stage?

A. Feature Engineering.

B. Transforming the data into more useful variables.

C. Combining the data from the various sources.

D. Addressing missing invalid values.



Only options A and D are correct.



Only option C is correct.



None of the options are correct.



All of the options are correct.

**Incorrect**

At least one other option is correct.

**0 / 1 point**

7.Question 7

Data scientists typically use descriptive statistics and data visualization techniques for exploratory analysis of data and to get acquainted with it.



True.



False.

**Correct**

Correct.

**1 / 1 point**

8.Question 8

Data scientists may frequently return to a previous stage to make adjustments, as they learn more about the data and the modeling.



False.



True.

**Correct**

Correct.

**1 / 1 point**

9.Question 9

Data scientists may use either a “top-down” approach or a “bottom-up” approach to data science. These two approaches refer to:



“Top-down” approach – the data, when sorted, is modeled from the “top” of the data towards the “bottom”. “Bottom-up” approach – the data is modeled from the “bottom” of the data to the “top”.



“Top-down” approach – first defining a business problem then analyzing the data to find a solution. “Bottom-up” approach – starting with the data, and then coming up with a business problem based on the data.



"Top-down” approach – models are fit before the data is explored. “Bottom-up” approach – data is explored, and then a model is fit.



“Top-down” approach – using massively parallel, warehouses with huge data volumes as the data source. “Bottom-up” approach – using a sample of small data before using large data.

**Correct**

Correct.

**1 / 1 point**

10.Question 10

What are three important reasons that data scientists should maintain continuous communication with business sponsors throughout a project?



So that business sponsors can ensure the work remains on track to generate the intended solution.

**Correct**

Correct.



Actually, data scientists do not need to maintain a continuous communication with business sponsors and stakeholders.



So that business sponsors can provide domain expertise.

**Correct**

Correct.



So that business sponsors can review intermediate findings.

**Correct**

Correct.