

From Deployment to Feedback

Quiz, 10 questions

7/10 points (70%)

 **Try again once you are ready.**

Required to pass: 80% or higher

You can retake this quiz up to 3 times every 8 hours.

Back to Week 3

Retake



0 / 1
point

1.

The final stages of the data science methodology are an iterative cycle between Modelling, Evaluation, Deployment, and Feedback.



False



This should not be selected

Incorrect.



True

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1/1 point

7/10 points (70%)

2.

Select the correct statement about the Feedback stage of the data science methodology.

- ☐ Feedback is not required once launched.
- ☐ Feedback is not helpful and gets in the way.
- ☒ Feedback is essential to the long term viability of the model.

Correct

Correct.

- ☐ None of the above statements are correct.



1 / 1
point

3.

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

- ☐ True.
- ☒ False.

Correct

Correct.

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4.

Select the correct sentence about the data science methodology explained in the course

- ☐ The data science methodology depends on a specific set of technologies or tools.
- ☐ The data science methodology is not an iterative process – one does not go back and forth between methodological steps.
- ☒ The data science methodology always starts with data collection.

This should not be selected

Incorrect. The data science methodology starts with business understanding.

- ☐ The data science methodology provides the data scientist with a framework on how to proceed to obtain answers.



1 / 1
point

5.

A data scientist determines that building a recommender system is the solution for a particular business problem at hand. This is represented by the Modeling stage of the data science methodology?

- ☐ True.
- ☒ False.

Correct

Correct.

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6.

A data scientist, John, was asked to help reduce readmission rates at a local hospital. After some time, John provided a model that predicted which patients were more likely to be readmitted to the hospital and declared that his work was done. Which of the following best describes this scenario?



Even though John only submitted one solution, it might be a good one. However, John needed feedback on his model from the hospital to confirm that his model was able to address the problem appropriately and sufficiently.



Correct

Correct.



John's mistake is that he lied in the Analytic Approach step of the data science methodology.



John only provided one model as a solution and he should have provided multiple models.



John still needed to collect more data.



1 / 1
point

7.

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



True.



Correct

Correct.



False.

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1/1
point

7/10 points (70%)

8.

Which of the following represent the two important characteristics of the data science methodology?



It is a highly iterative process and it never ends.



Correct

Correct.



It is a highly iterative process and immediately ends when the model is deployed.



It has no endpoint because data collection occurs before identifying the data requirements.



It immediately ends when the model is deployed because no feedback is required.

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0/1
point

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

▲
This should not be selected

Incorrect.

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10.

Why should data scientists maintain continuous communication with business sponsors throughout a project?

☐

So that business sponsors can provide domain expertise.



Correct

Correct.

☐

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



Un-selected is correct

☐

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



Correct

Correct.

☐

So that business sponsors can review intermediate findings.



Correct

Correct.

