

From Deployment to Feedback

Quiz, 10 questions

5.75/10 points (57.50%)

✗ **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



1 / 1
point

1.

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



True



Correct

Correct.



False

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1/1 point

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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.



0 / 1
point

3.

What does deploying a model into production represent?

- ☐ It represents the final data science product.
- ☐ It represents the beginning of an iterative process that includes feedback, model refinement and redeployment and requires the input of additional groups, such as marketing personnel and business owners.
- ☒ It represents the end of the iterative process that includes Feedback, Model Refinement, and Redeployment.

This should not be selected

Incorrect.

- ☐ None of the above.

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4.

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



The data science methodology is not an iterative process – one does not go back and forth between methodological steps.



This should not be selected

Incorrect. The data science methodology is an iterative process.



The data science methodology depends on a specific set of technologies or tools.



The data science methodology always starts with data collection.



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. What stage of the data science methodology does this represent?



Deployment.



Model Evaluation.



Modeling.



Analytic Approach.



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?

- ☐ John only provided one model as a solution and he should have provided multiple models.
- ☐ John's mistake is that he lied in the Analytic Approach step of the data science methodology.
- ☐ John still needed to collect more data.
- ☒ 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.



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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 0 / 1 point

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8.

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

- ☐ It immediately ends when the model is deployed because no feedback is required.
- ☐ It is a highly iterative process and immediately ends when the model is deployed.
- ☐ It is a highly iterative process and it never ends.
- ☒ It has no endpoint because data collection occurs before identifying the data requirements.



This should not be selected

Incorrect.



0 / 1 point

9.

For predictive models, a test set, which is similar to – but independent of – the training set, is used to determine how well the model predicts outcomes. This is an example of what step in the methodology?

- ☐ Data Requirements.
- ☐ Model Evaluation.
- ☒ Deployment.



This should not be selected

Incorrect.

- ☐ Analytic Approach.

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10.

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

☐

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



This should not be selected

Incorrect.

☐

So that business sponsors can review intermediate findings.



Correct

Correct.

☐

So that business sponsors can provide domain expertise.



Correct

Correct.

☐

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



Correct

Correct.

