

From Deployment to Feedback

Quiz, 10 questions

8/10 points (80%)



Congratulations! You passed!

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1.

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



Modelling, , Evaluation, Deployment, and Feedback.



Correct

Correct.



Modelling, Data Preparation, Deployment, and Feedback.



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



Data Understanding, Data Preparation, Evaluation, and Modelling.

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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.



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point

3.

What does deploying a model into production represent?

- ☒ It represents the final data science product.

This should not be selected

Incorrect.

- ☐ 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.
- ☐ 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 provides the data scientist with a framework on how to proceed to obtain answers.
- ☐ The data science methodology always starts with data collection.
- ☒ The data science methodology depends on a specific set of technologies or tools.

This should not be selected

Incorrect. The data science methodology does not depend 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.



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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?

- ☐ Model Evaluation.
- ☐ Deployment.
- ☐ 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.
- ☒ 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 still needed to collect more data.
 - ☐ John's mistake is that he lied in the Analytic Approach step of the data science methodology.
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7.

What do data scientists typically use for exploratory analysis of data and to get acquainted with it?



They use descriptive statistics and data visualization techniques.



Correct

Correct.



They begin with regression, classification, or clustering.



They use support vector machines and neural networks as feature extraction techniques.



They use deep learning.



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8.

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



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



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



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



It is a highly iterative process and it never ends.



Correct

Correct.

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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?

☐ Analytic Approach.

☒ Model Evaluation.

Correct

Correct.

☐ Data Requirements.

☐ Deployment.



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10.

Data scientists should maintain continuous communication with stakeholders throughout a project so that business stakeholders can ensure the work remains on track to generate the intended solution.

☒ True.

Correct

Correct.

☐ False.

