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TO PASS 80% or higher

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## From Deployment to Feedback

LATEST SUBMISSION GRADE

100%

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

1 / 1 point

- ☒ True  
☐ False

✓ **Correct**  
Correct.

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.

1 / 1 point

- ☐ True.  
☒ False.

✓ **Correct**  
Correct.

3. What does deploying a model into production represent?

1 / 1 point

- ☐ 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.  
☐ None of the above.

✓ **Correct**  
Correct.

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

1 / 1 point

- ☐ 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.  
☐ 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.

✓ **Correct**  
Correct.

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?

1 / 1 point

- ☒ False.  
☐ True.

✓ **Correct**  
Correct.

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?

1 / 1 point

- ☒ 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.  
☐ 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.

✓ **Correct**  
Correct.

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

1 / 1 point

- ☐ False.  
☒ True.

✓ Correct  
Correct.

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

1 / 1 point

- ☐ False.
- ☒ True.

✓ Correct  
Correct.

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?

1 / 1 point

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

✓ Correct  
Correct.

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

1 / 1 point

- ☒ 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.

- ☒ So that business sponsors can review intermediate findings.

✓ Correct  
Correct.

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

✓ Correct  
Correct.