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

1 / 1 point

- ☐ 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.
- ☐ None of the above statements are correct.

✓ Correct
Correct.

2. 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

- ☐ True
- ☒ False

✓ Correct
Correct.

3. 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?

1 / 1 point

- 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.

✓ Correct
Correct.

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

1 / 1 point

- ☐ 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.
- ☐ It is a highly iterative process and immediately ends when the model is deployed.
- ☒ It is a highly iterative process and it never ends.

✓ Correct
Correct.

5. 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

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

✓ Correct
Correct.

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

1 / 1 point

- ☒ So that business sponsors can review intermediate findings.

✓ Correct
Correct.



☒ 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 ensure the work remains on track to generate the intended solution.

✓ **Correct**
Correct.

