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From Deployment to Feedback

Graded Quiz • 18 min

Due Aug 23, 12:29 PM +0530

From Deployment to Feedback

Latest Submission Grade 83.33%

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.

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2. 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?

0 / 1 point

- ☐ Model Evaluation.
- ☒ Modeling.
- ☐ Analytic Approach.
- ☐ Deployment.

✗ **Incorrect**

Incorrect. The modelling stage is when the recommender system is actually designed and built.

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.

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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.

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4. 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

☒ True.

☐ False.



Correct

Correct.

5. Data scientists may use either a “top-down” approach or a “bottom-up” approach to data science. These two approaches refer to:

1 / 1 point

☐ “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.

☐ “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”.

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5. Data scientists may use either a “top-down” approach or a “bottom-up” approach to data science. These two approaches refer to:

1 / 1 point

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



Correct

Correct.

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

1 / 1 point

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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 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.

☒ So that business sponsors can review intermediate findings.



Correct

Correct.