From Deployment to Feedback

Latest Submission Grade 100%

1.
Question 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.
Question 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.
Question 3

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

○

John still needed to collect more data.

○

John's mistake is that he lied in the Analytic Approach step of the data science methodology.

◉

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 only provided one model as a solution and he should have provided multiple models.

Correct

Correct.

4.
Question 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.
Question 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 – 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 – 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 – 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 – models are fit before the data is explored. "Bottom-up" approach – data is explored, and then a model is fit.

Correct

Correct.

6.
Question 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.

☐

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 provide domain expertise.

Correct

Correct.