Graded Review Questions

Instructions for Review Questions

1. Time allowed: **Unlimited**
   - We encourage you to go back and review the materials to find the right answer
   - Please remember that the Review Questions are worth 60% of your final mark.

3. Attempts per question:
   - One attempt - For True/False questions
   - Two attempts - For any question other than True/False

3. Clicking the "**Final Check**" button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again

4. Check your grades in the course at any time by clicking on the "Progress" tab

Question 1

1/1 point (ungraded)

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.
- ○ John's mistake is that he lied in the Analytic Approach step of the data science methodology.
- ○ John still needed to collect more data.

✔

Answer

Correct: Correct

Submit You have used 2 of 2 attempts

Question 2

1/1 point (ungraded)

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

- They use support vector machines and neural networks as feature extraction techniques.
- They begin with regression, classification, or clustering.
- They use deep learning.
- (selected) They use descriptive statistics and data visualization techniques. ✔

Answer
Correct: Correct

Submit You have used 2 of 2 attempts

Question 3

0/1 point (ungraded)
Which of the following represent the two important characteristics of the data science methodology?

- (selected) It is a highly iterative process and immediately ends when the model is deployed.
- 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 it never ends.

✖

Answer
Incorrect: Incorrect. It never ends.

Submit You have used 2 of 2 attempts

Answers are displayed within the problem

Question 4

1/1 point (ungraded)

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

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

✔

Answer

Correct: Correct

Submit You have used 2 of 2 attempts

Question 5

1/1 point (ungraded)

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

- [x] So that business sponsors can provide domain expertise.
- [x] So that business sponsors can ensure the work remains on track to generate the intended solution.
- [x] So that business sponsors can review intermediate findings.
- [ ] Actually, data scientists do not need to maintain a continuous communication with business sponsors and stakeholders.

✔

Submit You have used 2 of 2 attempts

Discussion - Final Review Questions

Hide Discussion

Topic: Module 6 / Final Review Questions

Add a Post

Show all posts by recent activity

There are no posts in this topic yet.

✖

Learn About Verified Certificates