✖

Data Science 101

✔ **10/10** points earned
(100%)

Quiz passed!

Continue Course (/learn/intro-to-big-data/lecture/PnWo8/getting-started-why-worry-about-foundations)

Back to Week 2 (/learn/intro-to-big-data/home/week/2)

✔   1 / 1
points

1.
Which of the follow is **NOT** part of the 5 P's of data science and **NOT** part of an
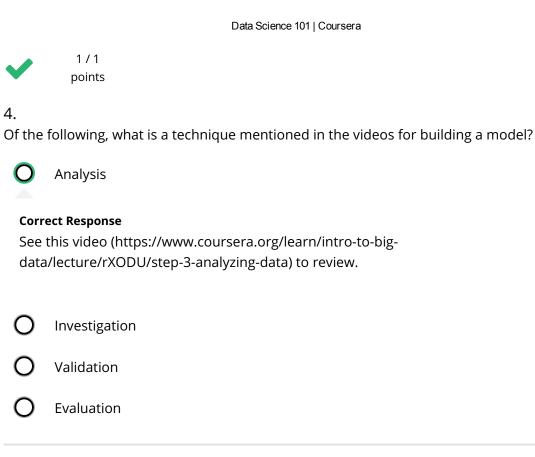additional P introduced in the slides?

○   Platforms

◉   Perception

Correct Response
See this video (https://www.coursera.org/learn/intro-to-big-
data/lecture/r4KvW/how-does-big-data-science-happen-five-components-
of-data-science) to review.

○   Programmability

○   People

○   Process

○   Purpose

○   Product

✔   1 / 1
     points

2.

Which of the following is **NOT** part of the four main categories to acquire, access, and retrieve data?

○   NoSQL Storage

○   Text Files

○   Traditional Databases

○   Remote Data

◉   Web Services

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/esxnG/step-1-acquiring-data) to review.

✔   1 / 1
     points

3.

What are the steps required for data analyzation?

◉   Select Technique, Build Model, Evaluate

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/rXODU/step-3-analyzing-data) to review.

○   Regression, Evaluate, Classification

○   Classification, Regression, Analysis

○   Investigate, Build Model, Evaluate

✔   1 / 1
points

4.

Of the following, what is a technique mentioned in the videos for building a model?

◉ Analysis

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/rXODU/step-3-analyzing-data) to review.

◯ Investigation

◯ Validation

◯ Evaluation

✔   1 / 1
points

5.

What is the first step in finding a right problem to tackle in data science?

◯ Assess the Situation

◉ Define the Problem

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/gwvh5/asking-the-right-questions) to review.

◯ Define Goals

◯ Ask the Right Questions

✔   1 / 1
points

6.

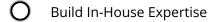What is the first step to big data strategy?

○ Business Objectives

Correct Response
See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/mhzX0/building-a-big-data-strategy) to review.
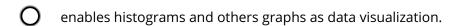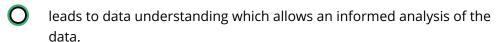
○ Organizational Buy-In

○ Collect Data

○ Build In-House Expertise

✔   1 / 1
     points

7.
According to Ilkay, why is exploring data crucial to better modeling?

Data exploration... <complete the sentence>

○ enables histograms and others graphs as data visualization.

○ leads to data understanding which allows an informed analysis of the data.

Correct Response
See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/4NWd2/step-2-a-exploring-data) to review.

○ enables a description of data which allows visualization.

○ enables understanding of general trends, correlations, and outliers.

✔   1 / 1
     points

8.
Why is data science mainly about teamwork?

○ Analytic solutions are required.

○ Exhibition of curiosity is required.

○ Engineering solutions are preferred.

◉ Data science requires a variety of expertise in different fields.

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/77PGQ/data-science-getting-value-out-of-big-data) to review.

✔ 1 / 1
points

9.
What is **NOT** a way to address data quality issues?

○ Merge duplicate records.

○ Generate best estimates for invalid values.

○ Remove data with missing values.

◉ Data Wrangling

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/cYRhW/step-2-b-pre-processing-data) to review.

○ Remove outliers.

✔ 1 / 1
points

10.
What is done to the data in the preparation stage?

○ Retrieve Data

◯   Identify Data Sets and Query Data

◉   Understand Nature of Data and Preliminary Analysis.

Correct Response

See this video (https://www.coursera.org/learn/intro-to-big-data/lecture/vSeYR/steps-in-the-data-science-process) to review.

◯   Build Models

◯   Select Analytical Techniques

👍   👎   🏳

◯   Identify Data Sets and Query Data