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

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.

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

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

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

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

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.

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.

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.

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