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 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 to review.

3.

What are the steps required for data analyzation?

◉

Select Technique, Build Model, Evaluate

Correct Response
See this video 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 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 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 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 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 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 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 to review.

○

Build Models

○

Select Analytical Techniques