✅ **Congratulations! You passed!**

Grade received 100%   **Latest Submission Grade** 100%   **To pass** 80% or higher

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1. Which of the following are parts of the 5 P's of data science and what is the additional P introduced in the slides?   **1 / 1 point**

☑ Product

  ✅ **Correct**
  See this video to review.

☑ Purpose

  ✅ **Correct**
  See this video to review.

☑ People

  ✅ **Correct**
  See this video to review.

☑ Platforms

  ✅ **Correct**
  See this video to review.

☐ Perception

☑ Programmability

  ✅ **Correct**
  See this video to review.

☑ Process

  ✅ **Correct**
  See this video to review.

2. Which of the following are part of the four main categories to acquire, access, and retrieve data?   **1 / 1 point**

☑ Traditional Databases

  ✅ **Correct**
  See this video to review.

☑ Text Files

  ✅ **Correct**
  See this video to review.

☑ Remote Data

  ✅ **Correct**
  See this video to review.

☑ NoSQL Storage

  ✅ **Correct**
  See this video to review.

☐ Web Services

3. What are the steps required for data analysis?   **1 / 1 point**

  ○ Regression, Evaluate, Classification

○ Regression, Evaluate, Classification

○ Classification, Regression, Analysis

⦿ Select Technique, Build Model, Evaluate

○ Investigate, Build Model, Evaluate

> ✓ **Correct**
> See this video to review.

4. Of the following, which is a technique mentioned in the videos for building a model?   `1 / 1 point`

⦿ Analysis

○ Investigation

○ Evaluation

○ Validation

> ✓ **Correct**
> See this video to review.

5. What is the first step in finding a right problem to tackle in data science?   `1 / 1 point`

○ Define Goals

○ Assess the Situation

⦿ Define the Problem

○ Ask the Right Questions

> ✓ **Correct**
> See this video to review.

6. What is the first step in determining a big data strategy?   `1 / 1 point`

○ Collect Data

⦿ Business Objectives

○ Build In-House Expertise

○ Organizational Buy-In

> ✓ **Correct**
> See this video to review.

7. According to Ilkay, why is exploring data crucial to better modeling?   `1 / 1 point`

Data exploration... <complete the sentence>

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

○ enables a description of data which allows visualization.

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

○ enables histograms and others graphs as data visualization.

> ✓ **Correct**
> See this video to review.

8. Why is data science mainly about teamwork?   `1 / 1 point`

○ Analytic solutions are required.

○ Engineering solutions are preferred.

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

○ Exhibition of curiosity is required.

9. What are the ways to address data quality issues?

    1 / 1 point

    ☑ Generate best estimates for invalid values.

    ☑ Remove data with missing values.

    ☐ Data Wrangling

    ☑ Merge duplicate records.

    ☑ Remove outliers.

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

    1 / 1 point

    ⦿ Cleaning, Integrating, and Packaging

    ◯ Build Models

    ◯ Retrieve Data

    ◯ Identify Data Sets and Query Data

    ◯ Select Analytical Techniques