✓ **Congratulations! You passed!**

Grade received 100%	**Latest Submission Grade** 100%	**To pass** 80% or higher	**Go to next item**

---

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.

   ☑ Process

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

   ☑ Programmability

   > ✓ **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

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`

   ○ Investigate, Build Model, Evaluate

   ○ Regression, Evaluate, Classification

   ⦿ Select Technique, Build Model, Evaluate

   ○ Classification, Regression, Analysis

   > ✓ **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`

   ○ Investigation

   ○ Validation

   ○ Evaluation

   ⦿ Analysis

   > ✓ **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

○ Ask the Right Questions
◉ Define the Problem

✓ **Correct**
See [this video](#) to review.

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

○ Collect Data
○ Organizational Buy-In
○ Build In-House Expertise
◉ Business Objectives

✓ **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>

◉ leads to data understanding which allows an informed analysis of the data.
○ enables a description of data which allows visualization.
○ enables histograms and others graphs as data visualization.
○ enables understanding of general trends, correlations, and outliers.

✓ **Correct**
See [this video](#) to review.

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

○ Analytic solutions are required.
○ Exhibition of curiosity is required.
○ Engineering solutions are preferred.
◉ Data science requires a variety of expertise in different fields.

✓ **Correct**
See [this video](#) to review.

9. What are the ways to address data quality issues? `1 / 1 point`

☐ Data Wrangling
☑ Merge duplicate records.

✓ **Correct**
See [this video](#) to review.

☑ Remove outliers.

✓ **Correct**
See [this video](#) to review.

☑ Generate best estimates for invalid values.

✓ **Correct**
See [this video](#) to review.

☑ Remove data with missing values.

✓ **Correct**
See [this video](#) to review.

10. What is done to the data in the preparation stage? `1 / 1 point`

○ Select Analytical Techniques
○ Retrieve Data
○ Identify Data Sets and Query Data
◉ Understand Nature of Data and Preliminary Analysis.
○ Build Models

✓ **Correct**
See [this video](#) to review.