

# Quiz

## Data Science 101

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

☒ Purpose

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

☒ People

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

☐ Perception

☒ Platforms

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

☒ Product

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

☒ 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

☒ 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

☒ Traditional Databases

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

3. What are the steps required for data analysis?

1 / 1 point

- ☐ Classification, Regression, Analysis
- ☐ Investigate, Build Model, Evaluate
- ☒ Select Technique, Build Model, Evaluate
- ☐ Regression, Evaluate, Classification

✓ **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
- ☐ Evaluation
- ☐ Validation
- ☐ Investigation

✓ **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

- ☐ Ask the Right Questions
- ☒ Define the Problem
- ☐ Assess the Situation
- ☐ Define Goals

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

6. What is the first step in determining a big data strategy?

1 / 1 point

- ☐ Build In-House Expertise
- ☐ Organizational Buy-In
- ☐ Collect Data
- ☒ 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>

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

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

8. Why is data science mainly about teamwork?

1 / 1 point

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

✓ **Correct**

See [this video](#) to review.

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

1 / 1 point

- ☒ Remove outliers.

✓ **Correct**

See [this video](#) to review.

- ☒ Remove data with missing values.

✓ **Correct**

See [this video](#) to review.

- ☐ Data Wrangling

- ☒ Merge duplicate records.

✓ **Correct**

See [this video](#) to review.

- ☒ Generate best estimates for invalid values.

✓ **Correct**

See [this video](#) to review.

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

1 / 1 point

- ☐ Select Analytical Techniques
- ☐ Build Models
- ☐ Identify Data Sets and Query Data
- ☒ Cleaning, Integrating, and Packaging
- ☐ Retrieve Data



**Correct**

See [this video](#) to review.