



## Data Science 101

Graded Quiz • 20 min

Due Jun 29, 12:29 PM IST



**Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

GRADE

100%

# Data Science 101

LATEST SUBMISSION GRADE

100%

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

☒ Process



Correct

See [this video](#) to review.

☒ People



Correct

See [this video](#) to review.

☒ Product



**Correct**

See [this video](#) to review.



Perception



Programmability



**Correct**

See [this video](#) to review.



Purpose



**Correct**

See [this video](#) to review.



Platforms



**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

☐ Web Services

☒ 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.

3. What are the steps required for data analysis?

1 / 1 point

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

- ☒ Analysis
- ☐ Validation
- ☐ Evaluation
- ☐ 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

- ☐ Assess the Situation
- ☒ Define the Problem
- ☐ Define Goals
- ☐ 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

- ☒ Business Objectives
- ☐ Collect Data
- ☐ 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 histograms and others graphs as data visualization.
- ☐ enables a description of data which allows visualization.
- ☒ leads to data understanding which allows an informed analysis of the data.
- ☐ 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.
- ☐ Engineering solutions are preferred.
- ☒ 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

☐ Data Wrangling

☒ Generate best estimates for invalid values.

✓ Correct

See [this video](#) to review.

☒ Remove data with missing values.

✓ Correct

See [this video](#) to review.

☒ Remove outliers.

✓ Correct

See [this video](#) to review.

☒ Merge duplicate records.

✓ Correct

See [this video](#) to review.

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

1 / 1 point

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



**Correct**

See [this video](#) to review.