

Big Data and Data Mining

- Video: Foundations of Big Data 5 min
- Video: What is Hadoop? 6 min
- Video: How Big Data is Driving Digital Transformation 3 min
- Video: Data Science Skills & Big Data 4 min
- Video: Data Scientists at New York University 4 min
- Reading: Data Mining 10 min
- Quiz: Data Mining 5 questions
- Reading: Lesson Summary 10 min

Deep Learning and Machine Learning
Hands-on Exercise: Classify objects and faces in images with IBM Watson

QUIZ • 10 MIN

Data Mining

Submit your assignment

DUE Aug 2, 11:59 PM PDT ATTEMPTS 3 every 8 hours

Receive grade

TO PASS 80% or higher

Data Mining

TOTAL POINTS 5

1. According to the reading, the output of a data mining exercise largely depends on:

1 point

- ☐ The data scientist.
- ☐ The programming language used.
- ☒ The quality of the data.
- ☐ The scope of the project.

Start

Grade

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2. What should you do when data are missing in a systematic way?

1 point

- ☐ Extrapolate the data.
- ☒ Determine the impact of missing data on the results and whether missing data can be excluded from the analysis.
- ☐ Determine the average of the values around the missing data.
- ☐ Determine who was managing the database.

3. What is an example of a data reduction algorithm?

1 point

- ☐ Prior Variable Analysis.
- ☐ Cojoint Analysis.
- ☐ A/B Testing.
- ☒ Principal Component Analysis.

4. After the data are appropriately processed, transformed, and stored, what is a good starting point for data mining?

1 point

- ☒ Data Visualization.
- ☐ Creating a relational database.
- ☐ Machine learning.
- ☐ Non-parametric methods.

5. "Formal evaluation could include testing the predictive capabilities of the models on observed data to see how effective and efficient the algorithms have been in reproducing data." This is known as:

1 point

- ☒ In-sample forecast.
- ☐ Reverse engineering.
- ☐ Prototyping.
- ☐ Overfitting.

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