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Final Exam

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☐ Marcar esta página Final Exam Instructions Exam questions are based on the prescribed reading. The reading can be found >>here<< Getting Started with Data Science 1. Time allowed: 1 hour 2. Attempts per question: One attempt - For True/False questions Two attempts - For any question other than True/False 3. Clicking the "<u>Final Check</u>" button when it appears, means your submission is <u>FINAL</u>. You will <u>NOT</u> be able to resubmit your answer for that question ever again IMPORTANT: Do not let the time run out and expect the system to grade you automatically. You must explicitly submit your answers, otherwise they would be marked as incomplete. Question 1 1/1 point (graded) In the reading, the output of a data mining exercise largely depends on: The engineer The programming language used

In the reading, the output of a data mining exercise largely depends on:

The engineer

The programming language used

The quality of the data

The scope of the project

The data scientist

The data scientist

Correcto (1/1 punto)

Question 2

1/1 point (graded)

In the reading, what are some of the steps down the data mine?

© Establish goals, mine data, evaluate data mining results, create database

© Establish goals, select data, pre-process data, present data

✓

Enviar Ha realizado 1 de 2 intentos

© Correcto (1/1 punto)

Question 3

1/1 point (graded)

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

© Extrapolate data

Establish goals, store data, mine data, present data

Use Python to generate values

Programmatization

Principal Component Analysis

Prior Variable Analysis

The size of the files

Hadoop clusters

Non-parametric methods

Machine learning

A strategic process

An iterative process

• The costs

Question 9

1/1 point (graded)

Enviar

✓ Correcto (1/1 punto)

Overfitting

In-sample forecast

Reverse engineering

Ha realizado 0 de 2 intentos

False positive

Enviar

When processing data, what factor can lead to errors in data?

Ha realizado 1 de 2 intentos

The presentation

Enviar

Creating a relational database

Ha realizado 1 de 2 intentos

The physical location of the servers

A/B Testing

O Determine the average of the values around the missing data

• Determine the impact of missing data on the results

• Establish goals, select data, pre-process data, transform data

Establish goals, team meeting, select data, transform data

Determine who was managing the database
Enviar Ha realizado 1 de 2 intentos
✓ Correcto (1/1 punto)
Question 4
1/1 point (graded)
What is an example of a data reduction algorithm?
○ Conjoint Analysis

Enviar Ha realizado 1 de 2 intentos

Correcto (1/1 punto)

Question 5
1/1 point (graded)

What should be a prime concern for storing data?

O Data safety and privacy

Hiring the right database manager

Enviar Ha realizado 1 de 2 intentos

Correcto (1/1 punto)

Question 6

1/1 point (graded)

What is a good starting point for data mining?

O Data Visualization

Writing a data dictionary

✓ Correcto (1/1 punto)

Question 7

1/1 point (graded)

When evaluating mining results, data mining and evaluating becomes:

○ A transformative process

○ An intuitive process

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Enviar Ha realizado 1 de 2 intentos

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Correcto (1/1 punto)

Question 8

1/1 point (graded)

When establishing data mining goals, the accuracy expected from the results also influences the:

○ The timelines for the project

○ The scope of the project

Data scientist
✓
Enviar Ha realizado 1 de 2 intentos
✓ Correcto (1/1 punto)

Synchronizing the database
 Changing services providers
 Renaming variables
 ● Human error
 Overfitting

Question 10

1 point possible (graded)

"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:

O Prototyping

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