



The Coursera logo, featuring the word 'coursera' in a white, lowercase, sans-serif font, set against a solid blue rectangular background.

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

*The quality of the data*

2. When data are missing in a systematic way, you can simply extrapolate the data or impute the missing data by filling in the average of the values around the missing data. (1 Point)

*False*

3. What is an example of a data reduction algorithm? (1 Point)

*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*

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*

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The IBM Digital Credential logo, featuring the words 'IBM Digital Credential' in a light blue, sans-serif font, curved along the bottom of a large, faint green circular seal.