

# Data Analytics Exam

Duration: 2 hours | Total Marks: 100

## Student Information

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Validation successful! Proceeding to the exam.

What is the primary goal of data analytics?

Enter your answer here

True or False: Data visualization is not a part of data analytics.

- ☐ True
- ☐ False

Which of the following is a method for analyzing text data?

- ☐ A) Clustering
- ☐ B) Regression
- ☐ C) Text Analytics
- ☐ D) None of the above

Define 'Big Data' in your own words.

Enter your answer here

Which of the following is not a data type discussed in the course?

- ☐ A) Temporal Data

- ☐ B) Geospatial Data
- ☐ C) Quantum Data
- ☐ D) Multidimensional Data

Explain the importance of visual encoding in data analytics.

Enter your answer here

Which R command is used for logistic regression?

- ☐ A) lm
- ☐ B) glm
- ☐ C) plot
- ☐ D) summary

Describe a real-world application of clustering.

Enter your answer here

True or False: Supervised learning requires labeled data.

- ☐ True
- ☐ False

What is the bias-variance trade-off?

Enter your answer here

Which of the following is a statistical learning method?

- ☐ A) Decision Trees
- ☐ B) Neural Networks
- ☐ C) Both A and B
- ☐ D) None of the above

List the steps involved in EDA.

Enter your answer here

True or False: EDA is a one-time process.

- ☐ True
- ☐ False

What are the key components of the data science cycle?

Enter your answer here

Which of the following is not part of the data science cycle?

- ☐ A) Data Collection
- ☐ B) Data Cleaning
- ☐ C) Data Ignoring
- ☐ D) Data Analysis

Explain the concept of predictive modeling.

Enter your answer here

True or False: Predictive modeling can be used for forecasting future events.

- ☐ True
- ☐ False

What is the purpose of data transformation in analytics?

Enter your answer here

Which of the following is a data aggregation technique?

- ☐ A) Summarization
- ☐ B) Visualization
- ☐ C) Encoding
- ☐ D) None of the above

Describe the process of text analytics.

Enter your answer here

True or False: Document analytics is only applicable to digital documents.

- ☐ True
- ☐ False

What are some challenges faced in data analytics?

Enter your answer here

Which of the following is an advanced data analytics technique?

- ☐ A) Simple Regression
- ☐ B) Neural Networks
- ☐ C) Basic Clustering
- ☐ D) None of the above

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