

Test for WMeducation – Data Science Topics

(Hi, dear candidate, please click "File" - "Download" - "Microsoft Word" to save this doc to your local computer, fill the answers, and then send to the indeed chat directly, or reply to the email conversation with this doc attached. Thank you!
Just a reminder, we don't pay for your work in completing this test file)

Question 1: What is the process of transforming raw data into a more useful format for analysis called?

- A) Data Mining
- B) Data Wrangling
- C) Data Visualization
- D) Data Interpolation

Answer:

Question 2: Which statistical measure is used to describe the spread or dispersion of a dataset?

- A) Mean
- B) Median
- C) Mode
- D) Standard Deviation

Answer:

Question 3: What is the technique used to reduce the number of features in a dataset while preserving its relevant information?

- A) Data Aggregation
- B) Feature Engineering
- C) Dimensionality Reduction
- D) Data Segmentation

Answer:

Question 4: Which machine learning algorithm is commonly used for classification problems, such as spam email detection?

- A) K-Means Clustering
- B) Decision Trees
- C) Linear Regression
- D) Principal Component Analysis (PCA)

Answer:

Question 5: In supervised learning, what is the role of the model during training?

- A) To predict the target variable
- B) To make decisions based on input data
- C) To map input data to output labels
- D) To classify data into clusters

Answer:

Question 6: Instructions: In this section, you will find sentences with grammar errors. Choose the correct option that best corrects the error in each sentence.

Each student must bring their own textbook's to class.

- a) student's
- b) students'
- c) students's
- d) No correction needed

Answer:

Question 7 Identify which referencing style these citations are using.

Chalmers University of Technology. (2019). The first dexterous and sentient hand prosthesis has been successfully implanted. Retrieved October 12, 2019 from www.sciencedaily.com/releases/2019/02/190205185204.htm

Citation Style:

Modern Slavery Act 2015 (c.30). London: TSO. <http://www.legislation.gov.uk/ukpga/2015/30/contents/enacted> [accessed 15 June 2015].

Citation Style:

Coval, J., Jurek, J., & Stafford, E. (2009). The economics of structured finance. *Journal of Economic Perspectives*, 23(1), 3-25.

Citation Style:

Question 8 For the following academic source, try to write in different citation styles.

Article name: The Marketing Mix Revisited: Towards the 21st Century Marketing

Author's first name: Efthymios

Author's last name: Constantinides

Published on *Journal of Marketing Management*, Volume 22, Issue 3-4, from page 407 to page 438

Published in the year of 2006

Harvard:

APA:

MLA: