

## Computer Science Ics Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	What is the probability of getting heads in a fair coin toss.	A. $0.5$ B. $0.25$ C. $0.75$ D. $1$
2	A commonly used tool for creating data visualization	A. MS Excel B. Python C. Tableau D. All of the above
3	Which of the first step in data analytics	A. Visualize B. Collect C. Model D. Decide
4	Option not considered a benefit of data visualization.	A. Identifying trends and patterns B. Communicating insights effectively C. Making data more complex D. Summarizing large datasets
5	Which measure tells how spread out the data is from the mean.	A. Mean B. variance C. Mode D. Median
6	Which measure shows the most frequently occurring value.	A. Mean B. Median C. Mode D. Variance
7	Data cleaning involves	A. Adding more data B. Removing errors and inconsistencies C. Creating charts D. Writing reports
8	Which loss function is used in linear regression.	A. log loss B. cross entropy loss C. Mean squared error D. Accuracy
9	Which step tests how well the model performs.	A. Model development B. Model evaluation C. Model training D. Model deployment
10	What does ethics in data science include.	A. Data theft B. Fairness and bias C. Ignoring privacy D. Manipulating data
11	What is the first step after collecting data.	A. Visualization B. Data preparation C. Modeling D. Presentation
12	Which step defines the problem in model building	A. Step 1 B. Step 2 C. Step 3 D. Step 4
13	High Variance means.	A. Data points are close to the mean B. Data points are far from the mean C. All values are the same D. There are missing values
14	What is clustering used for.	A. Making predictions B. Grouping similar items C. Calculating probabilities

		D. <p>Finding averages</p>
15	The meaning of "K" in K-Means Clustering.	A. <p>Number of features in the dataset</p> <p>B. <b>Number of clusters to be formed</b></p> <p>C. <p>Number of iteration required for convergence</p><p>D. <p>Number of data points in the dataset</p></p></p>
16	Which algorithm is used for predicting numerical values.	A. <p>Logistic regression</p> <p>B. <b>Linear regression</b></p> <p>C. <p>k-means clustering</p><p>E. <p>Decision tree</p></p></p>
17	Testing changes under controlled conditions is known as.	A. <b>Experiment</b> B. <p>Survey</p> <p>C. <p>Observation</p><p>D. <p>Focus group</p></p></p>
18	What is data analytics	A. <p>Collecting data</p> <p>B. <b>Analyzing raw data</b></p> <p>C. <p>Deleting data</p><p>D. <p>Storing data</p></p></p>
19	What technique estimates missing values using average.	A. <b>Imputation</b> B. <p>Interpolation</p> <p>C. <p>Flagging</p><p>D. <p>Removal</p></p></p>
20	A standard deviation of 0 indicates.	A. <p>Data is highly variable</p> <p>B. <p>Data is normally distributed</p><p>C. <b>All values are the same</b></p><p>D. <p>Data is missing</p></p></p>