

## Computer Science Ics Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	Standard deviation is.	<p>A. <input checked="" type="checkbox"/> Square root of variance</p> <p>B. <input type="checkbox"/> Square of variance</p> <p>C. <input type="checkbox"/> Half of variance</p> <p>D. <input type="checkbox"/> Sum of variance</p>
2	What is statistical modeling used for.	<p>A. <input checked="" type="checkbox"/> Predict</p> <p>B. <input type="checkbox"/> Collect</p> <p>C. <input type="checkbox"/> Store</p> <p>D. <input type="checkbox"/> Design</p>
3	Which step defines the problem in model building	<p>A. <input checked="" type="checkbox"/> Step 1</p> <p>B. <input type="checkbox"/> Step 2</p> <p>C. <input type="checkbox"/> Step 3</p> <p>D. <input type="checkbox"/> Step 4</p>
4	Which step tests how well the model performs.	<p>A. <input type="checkbox"/> Model development</p> <p>B. <input checked="" type="checkbox"/> Model evaluation</p> <p>C. <input type="checkbox"/> Model training</p> <p>D. <input type="checkbox"/> Model deployment</p>
5	What is the output of logistic regression .	<p>A. <input checked="" type="checkbox"/> Binary outcome 0 or 1</p> <p>B. <input type="checkbox"/> Continuous value</p> <p>C. <input type="checkbox"/> Time Series</p> <p>D. <input type="checkbox"/> Cluster</p>
6	Which chart is used to show distribution of data.	<p>A. <input type="checkbox"/> Line graph</p> <p>B. <input checked="" type="checkbox"/> Histogram</p> <p>C. <input type="checkbox"/> Pie chart</p> <p>D. <input type="checkbox"/> Boxplot</p>
7	Testing changes under controlled conditions is known as.	<p>A. <input checked="" type="checkbox"/> Experiment</p> <p>B. <input type="checkbox"/> Survey</p> <p>C. <input type="checkbox"/> Observation</p> <p>D. <input type="checkbox"/> Focus group</p>
8	Which model predicts continuous numeric value	<p>A. <input type="checkbox"/> Logistic regression</p> <p>B. <input checked="" type="checkbox"/> Linear regression</p> <p>C. <input type="checkbox"/> k-means clustering</p> <p>D. <input type="checkbox"/> Accuracy</p>
9	Watching and recording behavior without interaction is known as.	<p>A. <input checked="" type="checkbox"/> Observation</p> <p>B. <input type="checkbox"/> Experiment</p> <p>C. <input type="checkbox"/> Survey</p> <p>D. <input type="checkbox"/> Case Study</p>
10	What is data analytics	<p>A. <input type="checkbox"/> Collecting data</p> <p>B. <input checked="" type="checkbox"/> Analyzing raw data</p> <p>C. <input type="checkbox"/> Deleting data</p> <p>D. <input type="checkbox"/> Storing data</p>
11	Which of the following is not a type of data visualization.	<p>A. <input type="checkbox"/> Bar chart</p> <p>B. <input type="checkbox"/> Pie chart</p> <p>C. <input checked="" type="checkbox"/> Equation</p> <p>D. <input type="checkbox"/> Scatterplot</p>
12	Which method is best for understanding customer preferences.	<p>A. <input checked="" type="checkbox"/> Survey</p> <p>B. <input type="checkbox"/> Observation</p> <p>C. <input type="checkbox"/> Experiment</p> <p>D. <input type="checkbox"/> Case Study</p>
13	What does ethics in data science include.	<p>A. <input type="checkbox"/> Data theft</p> <p>B. <input checked="" type="checkbox"/> Fairness and bias</p> <p>C. <input type="checkbox"/> Ignoring privacy</p> <p>D. <input type="checkbox"/> Manipulating data</p>
14	What is the probability of getting heads in a fair coin toss.	<p>A. <input checked="" type="checkbox"/> 0.5</p> <p>B. <input type="checkbox"/> 0.25</p> <p>C. <input type="checkbox"/> 0.75</p> <p>D. <input type="checkbox"/> 1</p>
15	In probability, what is the total number of outcomes called.	<p>A. <input type="checkbox"/> Favorable outcomes</p> <p>B. <input checked="" type="checkbox"/> Sample space</p> <p>C. <input type="checkbox"/> Random events</p> <p>D. <input type="checkbox"/> Total outcomes</p>

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16	Which loss function is used in linear regression.	A. <p>log loss</p> B. <p>cross entropy loss</p> C. <p>Mean squared error</p> D. <p>Accuracy</p>
17	Which measure shows the most frequently occurring value.	A. <p>Mean</p> B. <p>Median</p> C. <p>Mode</p> D. <p>Variance</p>
18	A commonly used tool for creating data visualization	A. <p>MS Excel</p> B. <p>Python</p> C. <p>Tableau</p> D. <p>All of the above</p>
19	What is clustering used for.	A. <p>Making predictions</p> B. <p>Grouping similar items</p> C. <p>Calculating probabilities</p> D. <p>Finding averages</p>
20	When is data removal acceptable	A. <p>When many rows are missing</p> B. <p>When only a few rows are missing</p> C. <p>Always</p> D. <p>Never</p>

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