E20-007^{Q&As}

Data Science and Big Data Analytics

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QUESTION 1

In which lifecycle stage are initial hypotheses formed?

A. Discovery

B. Model planning

C. Model building

D. Data preparation

Correct Answer: A

QUESTION 2

Refer to the exhibit.

Attribute	Info-Gain
Age	0.0310
Income	0.0100
Gender	0.0034
Credit Score	0.0456

You are building a decision tree. In this exhibit, four variables are listed with their respective values of info-gain.

Based on this information, on which attribute would you expect the next split to be in the decision tree?

A. Credit Score

B. Age

C. Income

D. Gender

Correct Answer: A

QUESTION 3

Refer to the exhibit Consider the training data set shown in the exhibit. What are the classification (Y = 0 or 1) and the probability of the classification for the tupleX(0, 0, 1) using Naive Bayesian classifier?

X1	X2	X3	Y
1	1	1	0
1	1	0	0
0	0	0	0
0	1	0	1
1	0	1	1
0	1	1	1

A. Classification Y = 1, Probability = 4/54

B. Classification Y = 0, Probability = 1/54

C. Classification Y = 1, Probability = 1/54

D. Classification Y = 0, Probability = 4/54

Correct Answer: A

QUESTION 4

In data visualization, which type of chart is recommended to represent frequency data?

A. Line chart

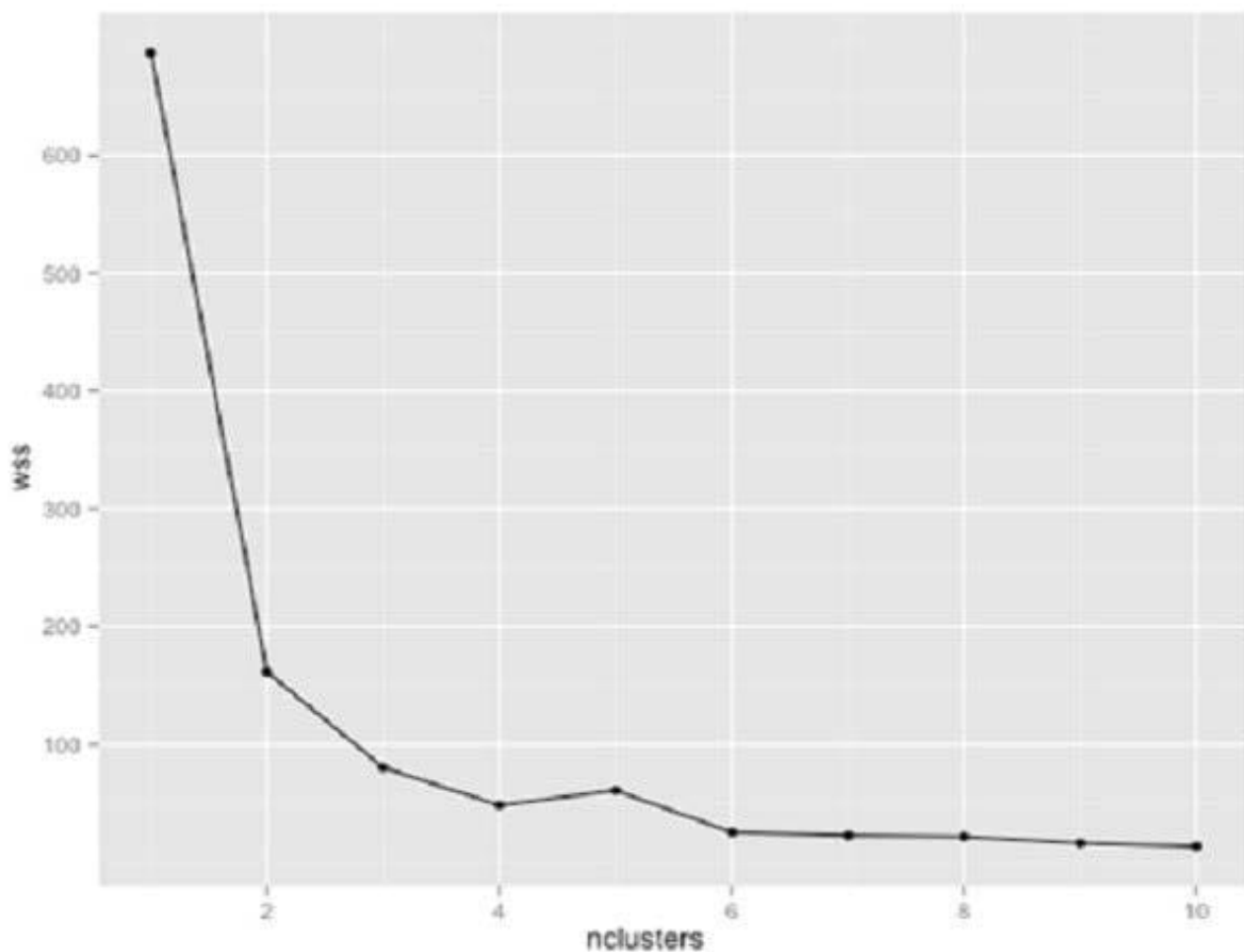B. Histogram

C. Q-Q chart

D. Scatterplot

Correct Answer: B

QUESTION 5

Refer to the exhibit.

You are using k-means clustering to discover groupings within a data set. You plot within- sum-of-squares (wss) of multiple cluster sizes. Based on the exhibit, how many clusters should you use in your analysis?

A. 4

B. 2

C. 8

D. 10

Correct Answer: A

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