

**Distinguish discrete and continuous data**

1 Preferred streaming service of a household

A
Qualitative

B
Quantitative

2 Quantitative

A
Mode of transportation used to travel to work

B
Province in which a Canadian resident lives

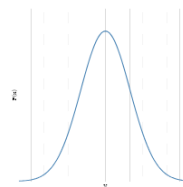
C
Time required to complete a 5 km run

3 Continuous

A
Waiting time before a bus arrives

B
Total goals scored during a hockey game

4 Which random variable could be represented by this model?



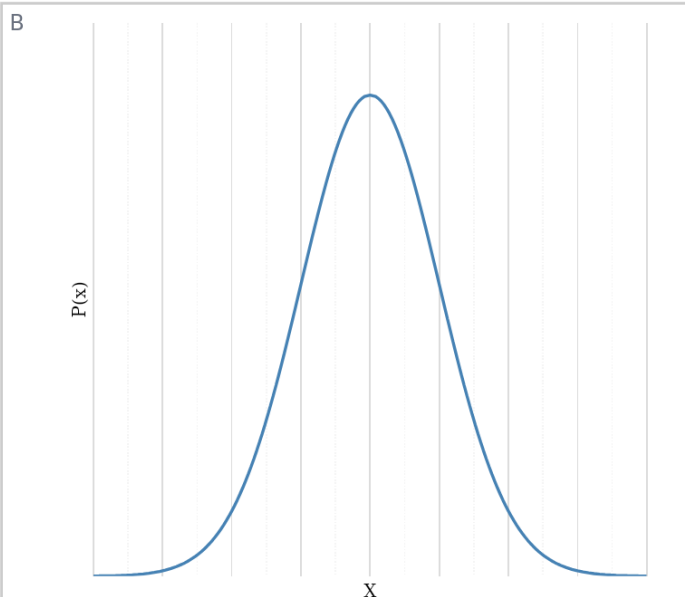
A Number of Heads obtained in five coin flips

B Time required to complete a marathon

5 Continuous

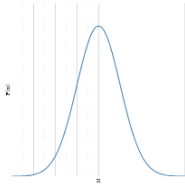
A

X	$P(X)$
X_1	$P(X_1)$
X_2	$P(X_2)$
X_3	$P(X_3)$



**Distinguish discrete and continuous data****6**

Would this model represent a discrete or a continuous random variable?



A Discrete

B Continuous

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Volume of water in a lake

A

Discrete

B

Continuous

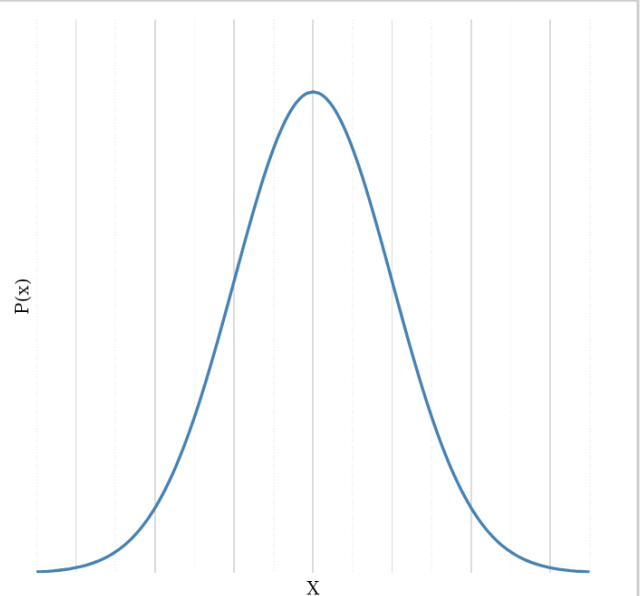
8

Correct answers on a 25-question quiz

A

X	$P(X)$
X_1	$P(X_1)$
X_2	$P(X_2)$
X_3	$P(X_3)$

B

**9**

Quantitative (continuous)

A Weight of a checked suitcase

B Number of customers entering a store in one hour

C Province in which a Canadian resident lives

10

Mode of transportation used to travel to work

A Qualitative

B Quantitative (continuous)

C Quantitative (discrete)