



Distinguish discrete and continuous data

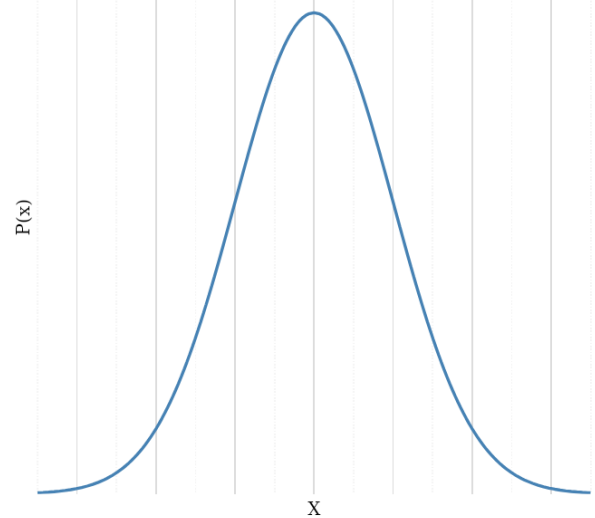
1

Discrete

A

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

B



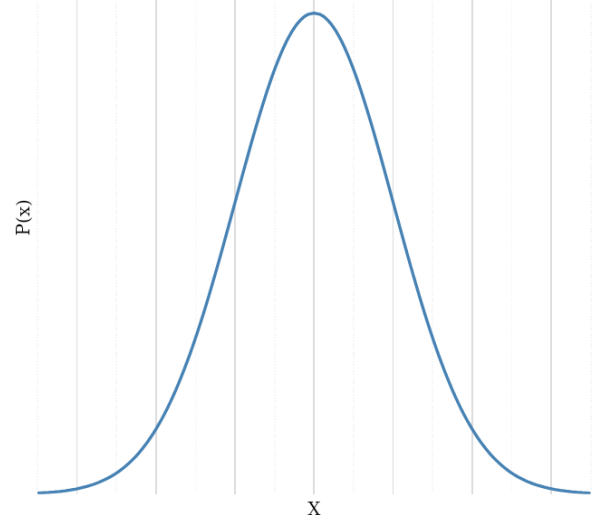
2

Text messages received during the afternoon

A

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

B





Distinguish discrete and continuous data

3 Discrete

A
Pets owned by a randomly selected family

B
Fuel remaining in a vehicle's gas tank

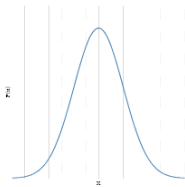
4 Province in which a Canadian resident lives

A
Qualitative

B
Quantitative (continuous)

C
Quantitative (discrete)

5 Which random variable could be represented by this model?



A Weight of a package being shipped

B Pets owned by a randomly selected family

6 Quantitative (discrete)

A
Province in which a Canadian resident lives

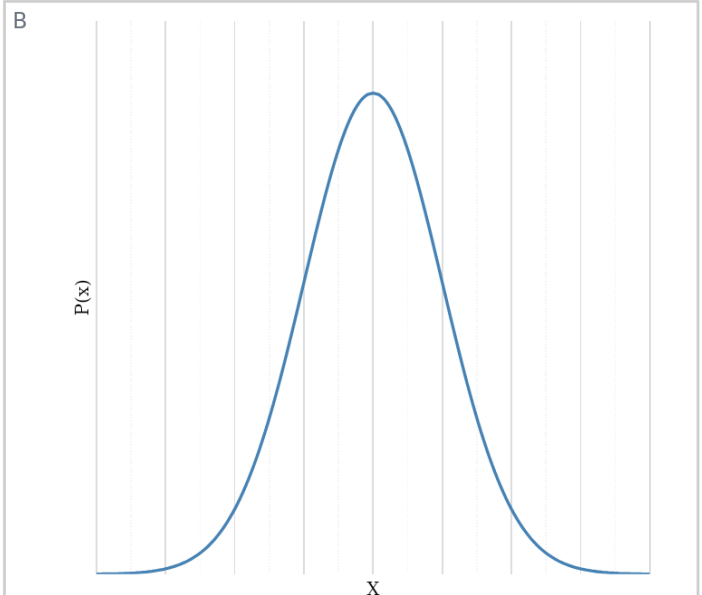
B
Fuel consumed during a road trip

C
Number of defective light bulbs in a shipment

7 Continuous

A

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



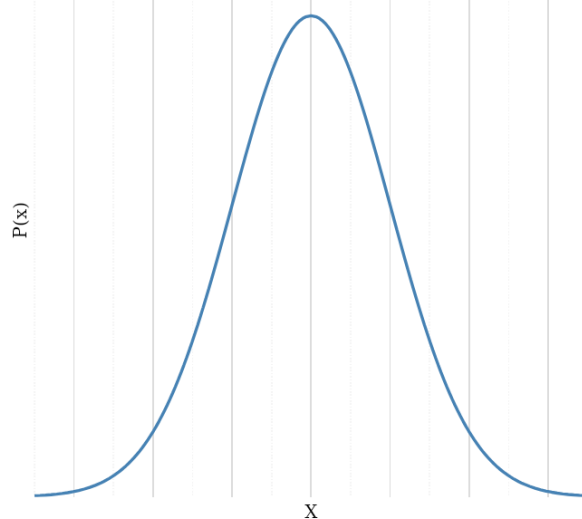
**Distinguish discrete and continuous data****8**

Length of a fish caught in a tournament

A

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

B

**9**

Continuous

A

Pieces of luggage checked by a passenger

B

Time required to complete a marathon

10

Height of a randomly selected student

A

Quantitative (continuous)

B

Quantitative (discrete)

C

Qualitative

11

Which random variable could be represented by this model?

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

A Amount of rainfall during a storm

B Correct answers on a 25-question quiz

12

Quantitative (discrete)

A

Reaction time of a video game player

B

Daily rainfall in a city

C

Number of books borrowed from a library