

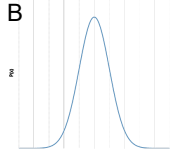


Probability Discrete vs Continuous - Discrete or Continuous to Model Type

1

Which model would represent this type of probability distribution?

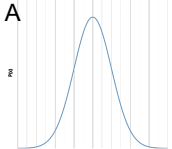
Discrete

| | | | | | | | | | |
|--|----------|--------|-------|----------|-------|----------|-------|----------|--|
| <p>A</p> <table border="1"> <tr><td>X</td><td>$P(X)$</td></tr> <tr><td>X_1</td><td>$P(X_1)$</td></tr> <tr><td>X_2</td><td>$P(X_2)$</td></tr> <tr><td>X_3</td><td>$P(X_3)$</td></tr> </table> | X | $P(X)$ | X_1 | $P(X_1)$ | X_2 | $P(X_2)$ | X_3 | $P(X_3)$ | <p>B</p>  |
| X | $P(X)$ | | | | | | | | |
| X_1 | $P(X_1)$ | | | | | | | | |
| X_2 | $P(X_2)$ | | | | | | | | |
| X_3 | $P(X_3)$ | | | | | | | | |

2

Which model would represent this type of probability distribution?

Continuous

| | | | | | | | | | |
|--|--|-----|--------|-------|----------|-------|----------|-------|----------|
| <p>A</p>  | <p>B</p> <table border="1"> <tr><td>X</td><td>$P(X)$</td></tr> <tr><td>X_1</td><td>$P(X_1)$</td></tr> <tr><td>X_2</td><td>$P(X_2)$</td></tr> <tr><td>X_3</td><td>$P(X_3)$</td></tr> </table> | X | $P(X)$ | X_1 | $P(X_1)$ | X_2 | $P(X_2)$ | X_3 | $P(X_3)$ |
| X | $P(X)$ | | | | | | | | |
| X_1 | $P(X_1)$ | | | | | | | | |
| X_2 | $P(X_2)$ | | | | | | | | |
| X_3 | $P(X_3)$ | | | | | | | | |