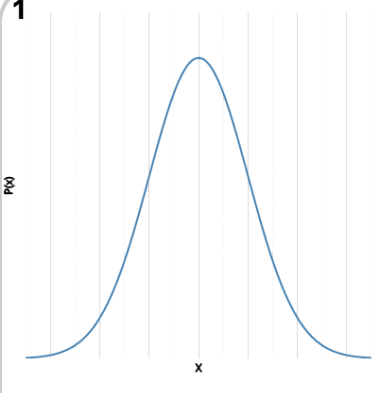
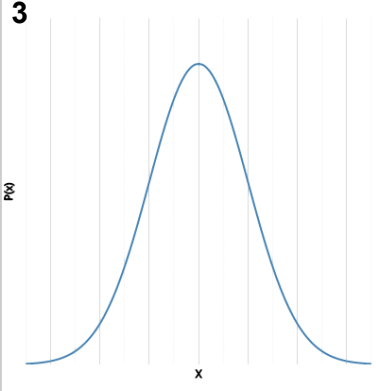
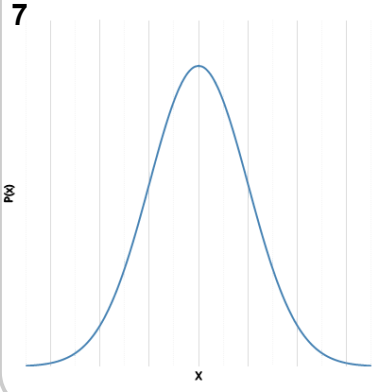


Probability Discrete vs Continuous - Model Type to Random Variable

<p>1</p>  <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Customers entering a coffee shop during one hour</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Air pressure inside a bicycle tire</td> </tr> </tbody> </table>	A	Customers entering a coffee shop during one hour	B	Air pressure inside a bicycle tire	<p>2</p> <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">X</th> <th>$P(X)$</th> </tr> </thead> <tbody> <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> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Cards drawn before the first Ace appears</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Amount spent on groceries during one shopping trip</td> </tr> </tbody> </table>	X	$P(X)$	X_1	$P(X_1)$	X_2	$P(X_2)$	X_3	$P(X_3)$	A	Cards drawn before the first Ace appears	B	Amount spent on groceries during one shopping trip								
A	Customers entering a coffee shop during one hour																								
B	Air pressure inside a bicycle tire																								
X	$P(X)$																								
X_1	$P(X_1)$																								
X_2	$P(X_2)$																								
X_3	$P(X_3)$																								
A	Cards drawn before the first Ace appears																								
B	Amount spent on groceries during one shopping trip																								
<p>3</p>  <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Reaction time of a video game player</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Pieces of luggage checked by a passenger</td> </tr> </tbody> </table>	A	Reaction time of a video game player	B	Pieces of luggage checked by a passenger	<p>4</p> <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">X</th> <th>$P(X)$</th> </tr> </thead> <tbody> <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> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Time required to complete a marathon</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Flights arriving at an airport in one hour</td> </tr> </tbody> </table>	X	$P(X)$	X_1	$P(X_1)$	X_2	$P(X_2)$	X_3	$P(X_3)$	A	Time required to complete a marathon	B	Flights arriving at an airport in one hour								
A	Reaction time of a video game player																								
B	Pieces of luggage checked by a passenger																								
X	$P(X)$																								
X_1	$P(X_1)$																								
X_2	$P(X_2)$																								
X_3	$P(X_3)$																								
A	Time required to complete a marathon																								
B	Flights arriving at an airport in one hour																								
<p>5</p> <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">X</th> <th>$P(X)$</th> </tr> </thead> <tbody> <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> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Number of Heads obtained in five coin flips</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Fuel remaining in a vehicle's gas tank</td> </tr> </tbody> </table>	X	$P(X)$	X_1	$P(X_1)$	X_2	$P(X_2)$	X_3	$P(X_3)$	A	Number of Heads obtained in five coin flips	B	Fuel remaining in a vehicle's gas tank	<p>6</p> <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">X</th> <th>$P(X)$</th> </tr> </thead> <tbody> <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> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Cards drawn before the first Ace appears</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Depth of snow after a winter storm</td> </tr> </tbody> </table>	X	$P(X)$	X_1	$P(X_1)$	X_2	$P(X_2)$	X_3	$P(X_3)$	A	Cards drawn before the first Ace appears	B	Depth of snow after a winter storm
X	$P(X)$																								
X_1	$P(X_1)$																								
X_2	$P(X_2)$																								
X_3	$P(X_3)$																								
A	Number of Heads obtained in five coin flips																								
B	Fuel remaining in a vehicle's gas tank																								
X	$P(X)$																								
X_1	$P(X_1)$																								
X_2	$P(X_2)$																								
X_3	$P(X_3)$																								
A	Cards drawn before the first Ace appears																								
B	Depth of snow after a winter storm																								
<p>7</p>  <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Traffic lights encountered before reaching school</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Time required to complete a marathon</td> </tr> </tbody> </table>	A	Traffic lights encountered before reaching school	B	Time required to complete a marathon	<p>8</p> <p>Which random variable could be represented by this model?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">X</th> <th>$P(X)$</th> </tr> </thead> <tbody> <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> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 20px; text-align: center;">A</td> <td>Blood pressure of a patient</td> </tr> <tr> <td style="width: 20px; text-align: center;">B</td> <td>Customers entering a coffee shop during one hour</td> </tr> </tbody> </table>	X	$P(X)$	X_1	$P(X_1)$	X_2	$P(X_2)$	X_3	$P(X_3)$	A	Blood pressure of a patient	B	Customers entering a coffee shop during one hour								
A	Traffic lights encountered before reaching school																								
B	Time required to complete a marathon																								
X	$P(X)$																								
X_1	$P(X_1)$																								
X_2	$P(X_2)$																								
X_3	$P(X_3)$																								
A	Blood pressure of a patient																								
B	Customers entering a coffee shop during one hour																								