



Probability Events - Stated Relationship to Probability of Union

<p>1</p> <p>Two events, A and B, are independent and not mutually exclusive.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>	<p>2</p> <p>Events A and B are independent but not mutually exclusive.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>
<p>3</p> <p>A and B are neither mutually exclusive nor independent.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>D Neither of these</p>	<p>4</p> <p>Two events, A and B, are neither independent nor mutually exclusive.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ (where $P(A \cap B) > 0$)</p> <p>D Neither of these</p>
<p>5</p> <p>Events A and B are mutually exclusive but not independent.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>	<p>6</p> <p>Two events, A and B, are mutually exclusive and not independent.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>
<p>7</p> <p>A and B are independent, and they are not mutually exclusive.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>	<p>8</p> <p>A and B are mutually exclusive, and they are not independent.</p>	<p>Which expression gives $P(A \cup B)$?</p> <p>A $P(A \cup B) = P(A) + P(B)$</p> <p>B $P(A \cup B) = P(A) + P(B) - P(A) \times P(B)$</p> <p>C Neither of these</p>