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Conditional probability

How can we calculate the result in a case where two events are not independent. It means that, if one event occurs it will directly affect the probability for the other event?

If event A and B are those kind of complex events which will not exclude each other. In this case we have a so-called conditional probability (event A affects event B).

Notation: \(p(A | B) \)

In this case we mean the relative frequency which compares the sum of all probability to the probability of event B (probability of it's occurrance).

 $p(A|B) = \frac{k_{AB}}{k_b} = \frac{k_{AB}}{k_b} = \frac{k_{AB}}{k_b} = \frac{p(A \setminus B)}{p(B)}$

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