2 events are independent if they do not affect one another.

Multiplicacion Rule {Independent and dependent events}

Example: Tossing a Coin {H and the Tails}

Example: Rolling a dice

Dependent events

Pr(1) = 1/6

2 events are dependent if they effect each other.

Example

Take a king from the deek and then the queen card from the deek.

Number of the card 52

Multiplication Rule

Independent event {Tossing a coin}

Dependent Event

$$P_r$$
 (H and T) =  $P_r$  (H)  $*$   $P_r$  (T)

 $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 

> Conditional probability