1. **What is marginal probability**

It is a probability of one event occurred calculation by ignoring all other variables.





1. **What are the probability axioms?**

It is called rules or principles of probability theory, has three rules





This calculation will used in **Naive Bayes** where naïve mean assumption, so in **Naive Bayes** is a **probabilistic classifier** based on **Bayes' Theorem** that assumes features are independent — it predicts the class with the highest probability.