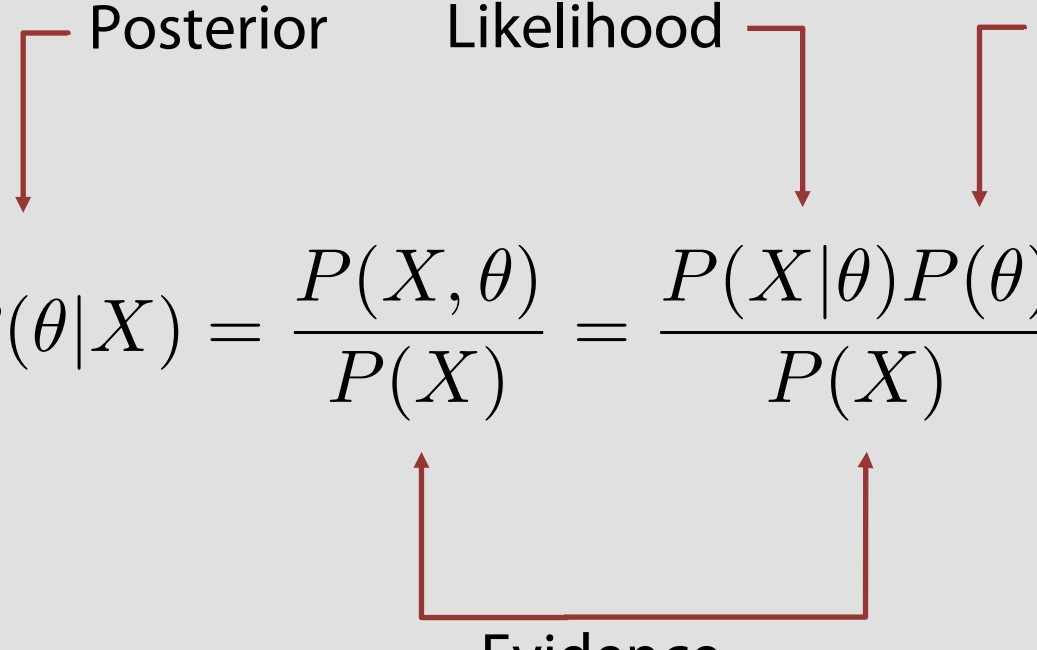


# Bayes theorem

$\theta$  — parameters

$X$  — observations

Posterior      Likelihood      Prior


$$P(\theta|X) = \frac{P(X, \theta)}{P(X)} = \frac{P(X|\theta)P(\theta)}{P(X)}$$

Evidence

