

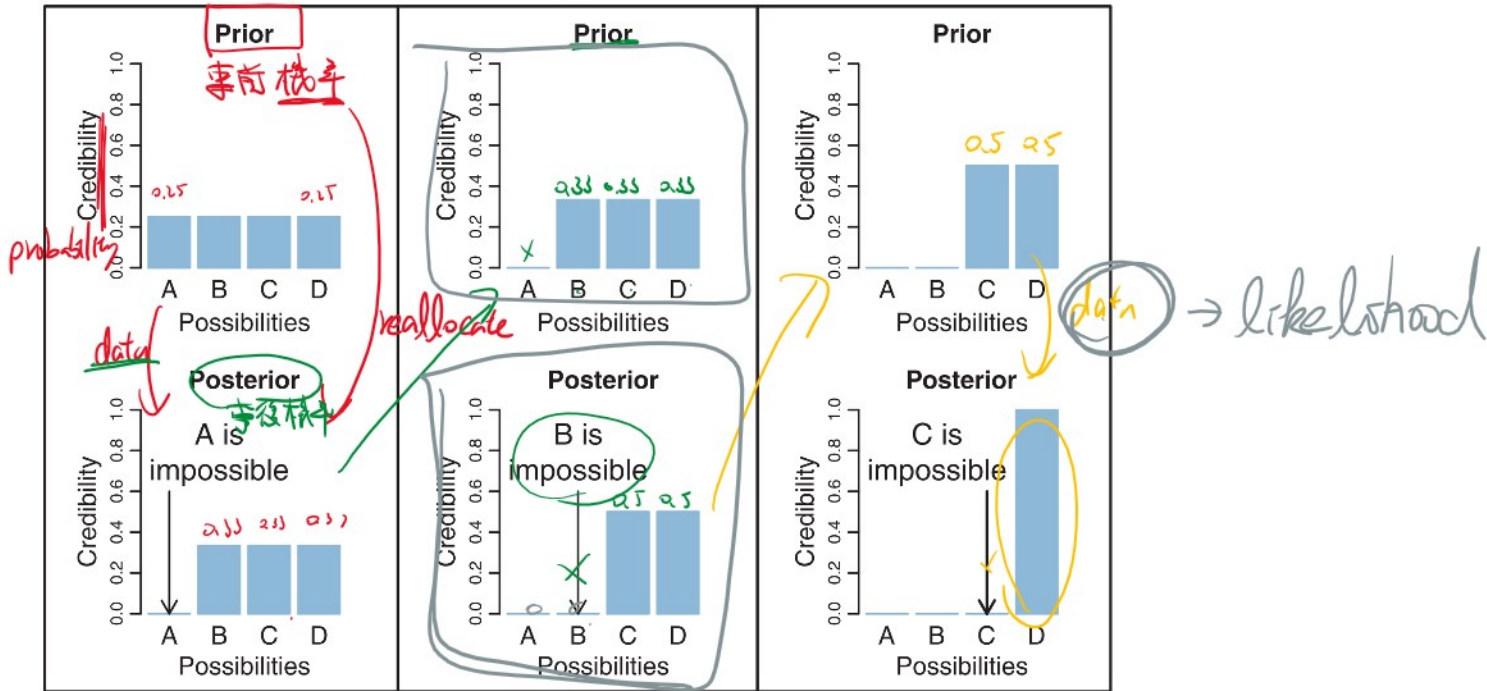
# Bayes Therome

Tuesday, July 6, 2021 7:45 PM

analysis. Bayesian data analysis has two foundational ideas. The first idea is that Bayesian inference is reallocation of credibility across possibilities. The second foundational idea is that the possibilities, over which we allocate credibility, are parameter values in meaningful mathematical models. These two fundamental ideas form the conceptual

ch2.

probability



我們感興趣的參數  $p$ ， $N$  已知， $y$  是資料所呈現的事件結果

$y \sim \text{Binomial}(N, p)$

Bayes's (1763) 條件機率

