

A diagram illustrating Bayes' Theorem. The equation is $p(H|\mathcal{D}) = \frac{p(H) p(\mathcal{D}|H)}{p(\mathcal{D})}$. The term $p(H)$ is in a light blue box, $p(\mathcal{D}|H)$ is in a light gray box, and $p(\mathcal{D})$ is in a light green box. The entire expression $p(H|\mathcal{D})$ is in a light pink box. Labels with arrows point to these terms: 'Prior' (blue) points to $p(H)$, 'Likelihood' (black) points to $p(\mathcal{D}|H)$, 'Evidence' (green) points to $p(\mathcal{D})$, and 'Posterior' (pink) points to $p(H|\mathcal{D})$.

Prior

Likelihood

Posterior

Evidence

$$p(H|\mathcal{D}) = \frac{p(H) p(\mathcal{D}|H)}{p(\mathcal{D})}$$