

$$\begin{array}{c}
 \mathbf{a} \qquad \qquad \qquad \mathbf{b} \qquad \qquad \qquad \mathbf{c} \\
 \mathbf{a} \quad \text{Pr(model | data)} = \frac{\text{Pr(data | model) Pr(model)}}{\text{Pr(data)}} \\
 \mathbf{d}
 \end{array}$$

$$\mathbf{b} \quad \text{Pr(assumptions | observations)} = \frac{\text{Pr(observations | assumptions) Pr(assumptions)}}{\text{Pr(observations)}}$$