$$\mathcal{P}\left(\boldsymbol{\theta} \mid \mathcal{D}, \mathcal{M}\right) = \frac{\mathcal{P}\left(\mathcal{D} \mid \boldsymbol{\theta}, \mathcal{M}\right) \mathcal{P}\left(\boldsymbol{\theta} \mid \mathcal{M}\right)}{\mathcal{P}\left(\mathcal{D} \mid \mathcal{M}\right)}$$