

coordinates (tips and internal nodes)  
 timetree  
 dispersal  
 effective pop. size  
 sequences  
 sampling locations

$$\underbrace{p(\mathbf{l}, \tau, \sigma, \theta | \mathbf{s}, \mathbf{e})}_{\text{posterior}} \propto \underbrace{\Pr(\mathbf{s} | \tau)}_{\text{"likelihood"}} \cdot \underbrace{s(\mathbf{e} | \mathbf{l}, \tau, \sigma, \theta)}_{\text{sampling}} \cdot \underbrace{f(\mathbf{l} | \tau, \sigma)}_{\mathcal{N}} \cdot \underbrace{h(\tau | \theta)}_{\text{coalescent}} \cdot \underbrace{\pi(\sigma, \theta)}_{\text{prior}}$$