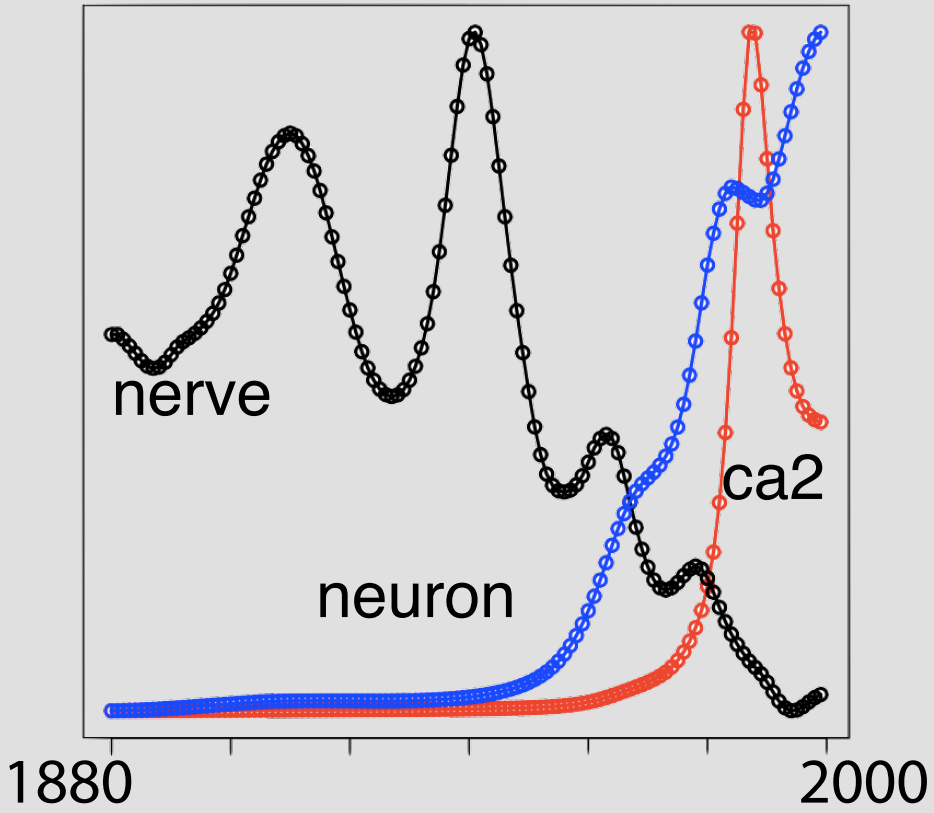
Dynamic Topic Model

$$p(B_{t\bullet}^{\tau+1}|B_{t\bullet}^{\tau}) \sim \mathcal{N}(B_{t\bullet}^{\tau}, \sigma^2 I)$$

$$\Phi_{t\bullet}^{\tau+1} = \text{Softmax}[B_{t\bullet}^{\tau}]$$



[Blei, Lafferty "Dynamic Topic Models ", https://mimno.infosci.cornell.edu/info6150/readings/dynamic_topic_models.pdf]