MCMC for LDA

$$p(\Phi, \Theta, Z | W) \sim \{Gibbs\ Sampling\}$$

$$\text{Init: } \Phi^0, \Theta^0, Z^0$$

$$\phi_1^1 \sim p(\phi_1 | \phi_2^0, \phi_3^0, \ldots, \Theta^0, Z^0, W)$$

$$\phi_2^1 \sim p(\phi_2 | \phi_1^1, \phi_3^0, \ldots, \Theta^0, Z^0, W)$$