

LDA Model

$$p(\textcolor{red}{W}, \textcolor{green}{Z}, \textcolor{blue}{\Theta}) = \prod_{d=1}^D \textcolor{blue}{p}(\theta_d) \prod_{n=1}^{N_d} \textcolor{green}{p}(z_{dn} | \theta_d) \textcolor{red}{p}(w_{dn} | z_{dn})$$

