LDA Model
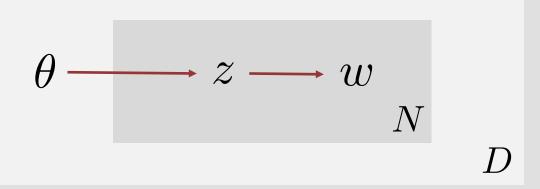

$$p(W, Z, \Theta) = \prod_{d=1}^{D} p(\theta_d) \prod_{n=1}^{N_d} p(z_{dn} | \theta_d) p(w_{dn} | z_{dn})$$

for each word   select topic

for each document

generate topic probabilities