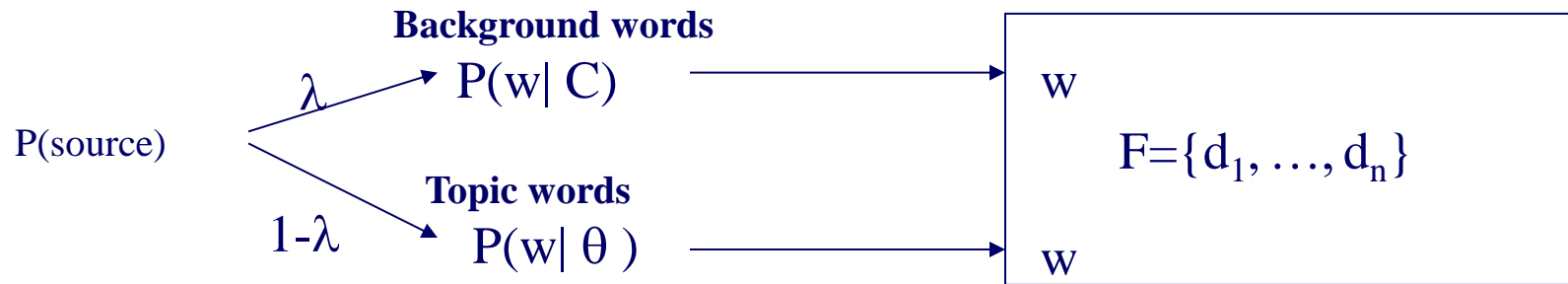


# Generative Mixture Model



$$\log p(F | \theta) = \sum_i \sum_w c(w; d_i) \log[(1 - \lambda) p(w | \theta) + \lambda p(w | C)]$$

**Maximum Likelihood  $\theta_F = \arg \max_{\theta} \log p(F | \theta)$**

**$\lambda$  = Noise in feedback documents**