



$$\pi | \gamma \sim GEM(\gamma)$$

$$z_{jn} | \theta_n \sim Mult(\theta_n)$$

$$p_{jn} | z_{jn}, (\beta_k)_{k=1}^{\infty} \sim F(\beta_{z_{jn}})$$

$$\theta_n | \alpha, \pi \sim DP(\alpha, \pi)$$

$$\beta_k | H \sim H$$

L	0.12
D	0.10
G	0.09
.....	
A	0.113
E	0.08
F	0.04
.....	
X	0.13
K	0.105
J	0.07
.....	
R	0.17
T	0.13
W	0.07
.....	

