HW10

ylu20

April 2020

1 Joint Probability

$$p(\beta_{1:k}, \theta_{1:D}, z_{1:D}, \omega_{1:D}) = \prod_{i=1}^{K} p(\beta_i) \prod_{d=1}^{D} p(\theta_d) \prod_{n=1}^{N} p(z_{d,n} | \theta_d) p(\omega_{d,n} | \beta_{1:K}, z_{d,n})$$
(1)