



2) Counn - X; (T-1) - , X; →to→to  $p(x_{i}^{(T)} = z(y_{i}^{(T)}, x_{i}^{(T)}) = \sum_{s'} p(x_{i}^{(T)}, x_{i}^{(T)}) = \sum_{s'} q_{i,s}^{(T)} z_{i,s'}^{(T)}$  $p(x_{j}^{(t)} = s \mid x_{i}^{(t+1)} = s', y, x_{-i}, \theta) = p(x_{j}^{(t)} = s \mid x_{j}^{(t+1)} = s', y^{(1)} = \theta', s, s'$ 1) Init X Tak, 2008 Y MORIN MAYLUTGER 2) Ndrojaen:
- (kg. j
- cgroun Qj = (9j,s,s') s,s'e\(\frac{1}{2},\text{I,R}\)
- cgroun Qj = (9j,s,s') s,s'e\(\frac{1}{2},\text{I,R}\) - comm. x, ~ p(xs( X-j, y, A) rpm rom. 2 - zenen X; na natonin 3) O Enolp. 1997 jos modern nym ren. X  $\Theta = \{p, \mu, \beta, \pi\}$  $p(\theta|Y_iX) \propto p(\theta)p(Y_iX|\theta)$   $p(p) = \text{Betalp}(\alpha_p, b_p)$   $p(p) = \text{Betalp}(\alpha_p, b_p)$   $p(p) = \text{Betalp}(\alpha_p, b_p)$  $\log p(\theta(y, x)) = \cos t + (\alpha_{p} - 1) \log p + (\beta_{p} - 1) \log (1 - p) + (\beta_{p} - 1) \log (1 - p)$   $+ (\alpha_{p} - 1) \log p + (\beta_{p} - 1) \log (1 - p) + (\alpha_{p} - 1) \log \pi + (\beta_{p} - 1) \log (1 - p)$   $\alpha_{p} = \alpha_{p} + \sum_{t=1}^{p} (T^{(t)}, t)$   $\beta_{p} = \beta_{p} + \sum_{t=1}^{p} (T^{(t)}, t)$   $T \in \mathcal{A}$ + \(\frac{1}{2}\)\left(\frac{1}\)\left(\frac{1}{2}\)\left(\frac{1}{2}\)\left(\frac{1}{2}\  $+ \sum_{i=1}^{N} \sum_{t=1}^{T-1} \left[ x_i^{(t+1)} = \sum_{t=1}^{T} \log \mu + \left[ x_i^{(t+1)} = \sum_{t=1}^{T} \log (1-\mu) \right] \right]$  $Prune = \frac{1}{2} \left( \begin{array}{c} (t) \\ (t)$ 

$$P_{i} = \int_{-\infty}^{\infty} \frac{1}{1 - (i + p)^{2^{i+1}}}, \quad \chi_{i}^{(t+1)} = I$$

$$O_{p} = O_{p,1} \leq \sum_{i=1}^{\infty} P_{i}^{(t+1)}$$

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