

Juplante Wo Keeping are "I from previous step. O wo p(wo/W,) > wo samples kep+ w, fixed 2 Sample W, p(W, |Wo) -> W, samples keept wo fixed (3) Sample wo p(wo/w) > wo samplekeep w, fixed Example Given (wo & W_) -> (0 & 1). We want to sample from joint distribution p(W1, W1) $\begin{cases} p(w_0 = 0, w_1 = 0) = 0.2 \\ p(w_0 = 1, w_1 = 0) = 0.3 \\ p(w_0 = 0, w_1 = 1) = 0.1 \end{cases}$ $p(w_0=1, w_0=1) = 0.4$ Initialise $W_0 = W_1 = 0$ fixed W_1 $\left(W_0 = 0, W_1 = 0\right)$ $\left(0, 4\right) = \left(0, 4\right)$ p(m,=0) $) \quad b \left(w_{0} = 1 \mid w_{1} = 0 \right) \quad - \quad \left(0.6 \right)$ $=\frac{0.2}{0.5}=0.4$ fix 7 No=1, Sample WI

MX 7 100-1 , Sur /1 (WI-T), fox sample Wo $V(N_0 = 0 \mid N_1 = 1) =$ / f(x,w)= Wot W, x> $\frac{1}{t} = \frac{1}{t} + \frac{1}{t} + \frac{1}{t}$