Joint Fautor/Eation Graphical model Latent Observed Models · P(X, Z) = Po(X/Z) Po(Z) Z E EOAT R 艺台限 FA Po(R/Z) = PO(R/Z)P(Z)

ProdBern NCO.Z) Z & E0, 13 ZER (VAE) ZER The-hot) X & { o, 1] 784 $P_{\theta}(\vec{x},\vec{y},\vec{z}) = P_{\theta}(\vec{x}|\vec{z})P_{\theta}(\vec{z}|\vec{x})P_{\theta}(\vec{z}|\vec{x})P_{\theta}(\vec{z}|\vec{x})$ Prod Bern N one Hot

Cat GIMVAE ZI:T, each ER XIII, each xt & Equily - Prodbern VRNN P(x1:7, =17) = 17 P(xt | xet, tst) single deuta pant: i Eqp(latent/observed) L 109 Po (obs. latent) - 109 qb (latent, pbs) FP O (Intent/observed) True Post/ (Its factoritation) models The form of $N(V_X, D)$ where $\phi = (V, E)$ but not sure about its form ?. 90(2/x)=N(No(x),00(x)) $(\sqrt{x}) = OneHof(af(\pi_b(x)))$ onehot-contegoral CHUR WE H

