Latent	variables are	high-level	features
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Data generation PCXIZ)
Boocess

> we want to model the inverse frocess Figure out the latents P(ZIX)

variable (Z) -> (x) Observation

Latent variable model as a generation brocess

1. Generate Z from P(Z) by sampling

2. Generate X by sampling from P(XIZ)

given the sampley Z

P(z|x) = P(x|z) p(z) $P(x) \Rightarrow Marsinal$ $P(x) = \int P(x|z) P(z) dz \quad (intractable)$