Cenucuap 2

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2024280:5				STA 4M

$$\begin{cases}
\frac{1}{2} & \frac{1}{2} + \frac$$

 $P_{x}^{a}(x_{x}^{a})$ and $x_{x}^{a} = 0$ T(x) - companier, he housenhol $= \int_{\mathbb{R}^{2}} \left(\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \right) d^{2} d^{2}$ $p(x) = p(2) \frac{d2}{dx}$

 $P(X) = P_{2}(X) \cdot I(X) \cdot I(X$ $P(2|6) = P_{\chi}(g(2)) \cdot |elet | J_g$ $P(2| \sim M(0;1)) \cdot T_{\chi}(\chi)$

Xonnar ogenibens TI(X)? Formard KL 1 X => 2, B 2 ynneen ogenibens mount 2. 2 -> X, zueen P(3) + zheen Weerop $\int L(T, p(x|b)) = \int T(x) \log \frac{T(x)}{p(x|b)} dx =$ $|T(x)| \log p(x|b) dx + |T(x)| \log T(x) dx$ |Const(b)| $- \mathbb{E}_{\overline{h}} \log P(x|\theta) = - \mathbb{E}_{\overline{h}} \log \left[P_{\overline{\xi}}(f(x)) \cdot | \det J_{\overline{f}} | \right]$ E-ETCOPE (+1x)) + Cos / det Jf/

4. Semple X ~ Th

$$||E|| = ||E|| = ||E|$$

$$= |E|_{(2|\theta)} |E|_{3} |E|_{2} |E|_{2$$

$$f(x) = 2$$

$$f(x) = 2$$

$$f(x) = 3$$

$$f(x) = 3$$

$$f(x) = 3$$

$$f(x) = 3$$

$$||X| = ||P(z)|| ||P$$

= EP(Z) [log P2(Z) - log [ole+]g |- log Ti(g(z))]

2. ozembamb Ti(x)
3. det Jo
4. sampling P(Z)
[X]