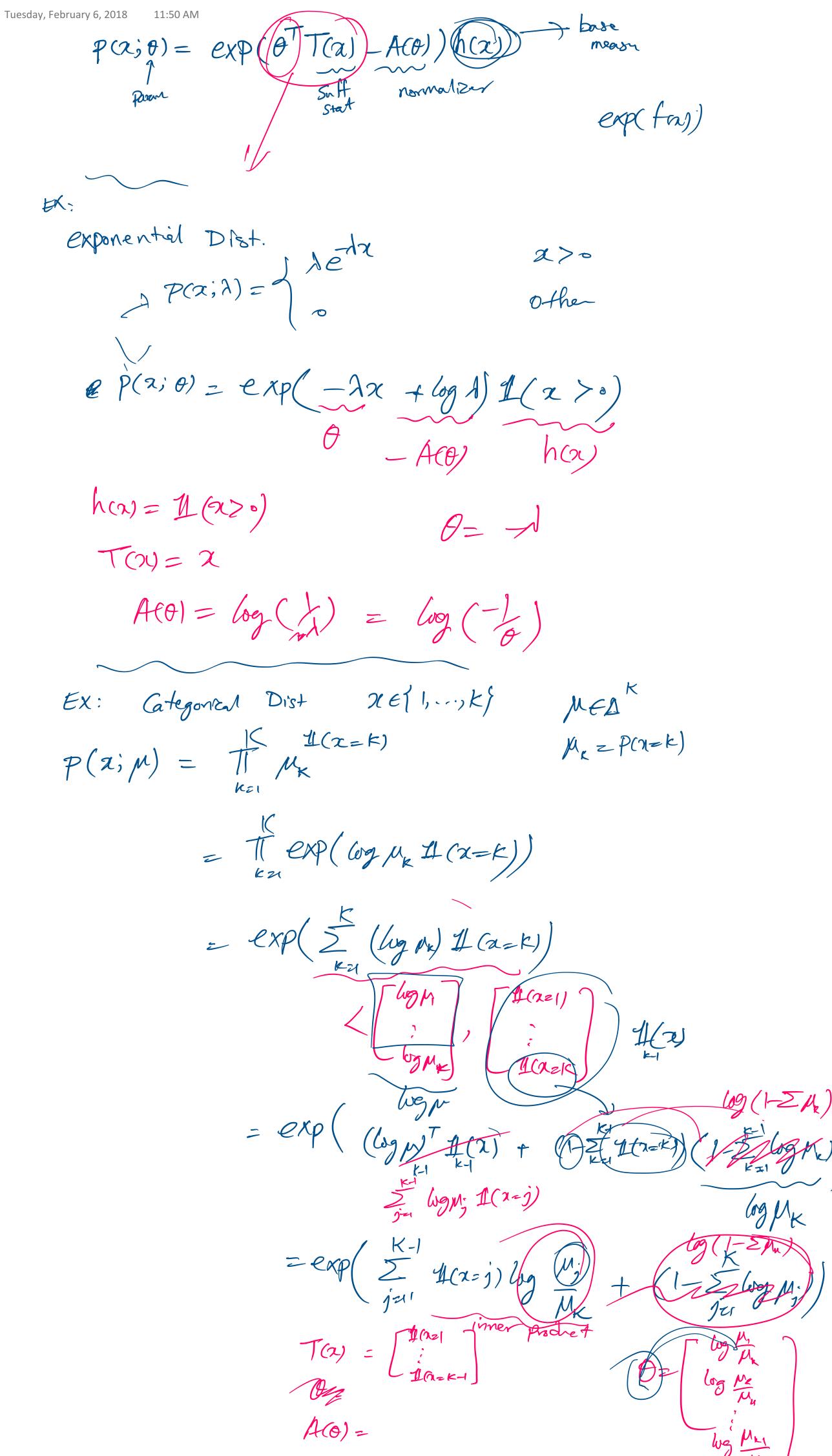
Class notes



$$\frac{e_{x}\varphi(\theta(n)^{T}T(z) - A(\theta(n)))}{\lim_{x \to \infty} e_{x} \log x} \frac{e_{x}\varphi(\theta(n))}{\exp(\theta - \frac{1}{2})} \frac{1}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta)}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta)}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta - \frac{1}{2})}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta - \frac{1}{2})}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta - \frac{1}{2})}{\exp(\theta - \frac{1}{2})} \frac{1}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta - \frac{1}{2})}{\exp(\theta - \frac{1}{2})} \frac{1}{\exp(\theta - \frac{1}{2})} \frac{e_{x}\varphi(\theta - \frac{1}{2})}{\exp(\theta - \frac{1}{2})} \frac{1}{\exp(\theta - \frac{1}{2})} \frac{1$$

 $(\theta) \propto$ A(0)  $X_{A}(0) = \text{E}[T(n)]$  $Q = (\overline{A}, \overline{A})^{-1}(\mu)$ Rexp ( I Trog - Arr) ) high  $P(x|\theta) = h(x) exp(\theta^T Ton) - (Acon)$  $\overline{T_{y}} = exp(wT(\overline{T_{(0)}}) - B(v_0, \overline{z}))h(\overline{v})$  $B(-) = A(0) exp(Dot T_{0})$ - (O) (Q)T(0)= 2. Acoust  $p(\theta|D) \ll p(D,\theta) = P(D|\theta) P(\theta) \qquad \theta \in \mathbb{R}^{d} \overline{T}(\theta) \in \mathbb{R}^{dt}$  $\propto \left(\frac{n}{11}h(x_{c})\right) exp(\theta \sum_{i=1}^{n} T(x_{i}) - nA_{0}) \times \sum_{i=1}^{n} \left(\frac{n}{11}h(x_{c})\right) exp(\theta \sum_{i=1}^{n} T(x_{i}) - nA_{0}) \times \sum_{i=1}^{n} \left(\frac{n}{11}h(x_{c})\right) exp(\theta \sum_{i=1}^{n} T(x_{c}) + nA_{0}) \times \sum_{i=1}^{n} \left(\frac{n}{11}h(x_{c})\right) exp(\theta \sum_{i=1}^{n} T(x_{c})) exp(\theta \sum_{i=1}^{n} T(x_{c}$  $exp(v_0) = \frac{1}{6} - \frac{1}{6} \frac{1}{6} - \frac{1}{6} \frac{1}{$  $\alpha = n \left( exp\left( \frac{1}{2} \left( \sum_{i=1}^{n} T(\alpha_i) + v_0 T_0 \right) - A(0) \left( n + v \right) \right) \right)$  $\frac{\sum_{i=1}^{n} T(u_i) + v_b t_b}{n + v_b} (n + v_b) - A(\theta)(v_b + n)$  $p(y; 0) = exp\left[ \begin{array}{c} 0 \\ y \\ T(y) = y \end{array}\right] h(y)$ Y  $P(y;\theta,\sigma^2) = exp\left[\frac{\partial y}{\partial y} - A(\theta)\right] + (y_1 + 2)$   $\int \int h(y_1 + 2) dy$  $M = \mathbb{E}[Y] = A'(0)$   $(x_i, y_i) \qquad x_i \in \mathbb{R}^{d} \qquad Q \propto$ y. Y  $\bigcirc$ 9 WTXi ? M wx  $\overline{q}(W^{T}\overline{z}_{i})$ param fund W. 0 g invertible n E[T(y)] = E[y] $\hat{A(0)} = E[Y]$  $q \equiv (A')$  $max \log P(D; W) = \sum_{i=1}^{n} \log p(y_i; W)$   $= \frac{1}{\sigma^2} \sum_{i=1}^{n} \frac{p_i y_i - Aco_i}{q_i q_i}$  $(x_i, y_i)$ MJex P(y|x)byi DC **?**Li  $(y_{i} - A'_{OI}) \frac{\partial \partial i}{\partial n}$  $= \int_{\nabla 2} \sum_{i \geq 1} (y_{i} - x_{i}) \frac{\partial \partial i}{\partial n}$ Xi