

7.00

3. K., ..., Ku ~ P. (N) +(K): 18e-1 L(x, x) = f(x,) + (x,) + (x,) + (x,) $= \frac{x^{k} e^{-x}}{x_{k}!} + \frac{x^{k} e^{-x}}{x_{k}!} + \frac{x^{k} e^{-x}}{x_{k}!}$ (9-1) 60 (1x3 × 60 + 900) 1x3 - (l(K, A) = EXilog A + (-NX) = log Exi! = Exilog 1 - NA - Elog Xi! $\frac{\partial L(X, \lambda)}{\partial \lambda} = \frac{\sum X_i}{\lambda} = \frac{\sum X_i}{N}$ when all observations are 0 L(X, A)= e-An $el(x, x) = -\lambda n - \log n$ 1 Delkin) = - N = 0 now the story of more the wor - (K, 0) = (Exi (+ 6) /- Exi 4. X,..., Xn ~ N(M, or) +(x)= 52x02 exp1- 202(x-m)2 (x, u, or) = 11 ost exp1 - 20 (Xi-mpy $=\frac{(2\pi)^{\frac{1}{2}}}{\pi^n}\exp\left(-\frac{\sum(\lambda_i-\mu_i)^2}{2\sigma^2}\right)$ ((x, M, 5) 2 - 1 log(2x) - n log o + (- \(\frac{\gamma(\chi_1)^2}{2\sigma^2}\) $\frac{\partial L(X, M, \sigma')}{\partial \sigma} = \frac{N}{\sigma^3} = \frac{2(X_i - M)^2}{N}$