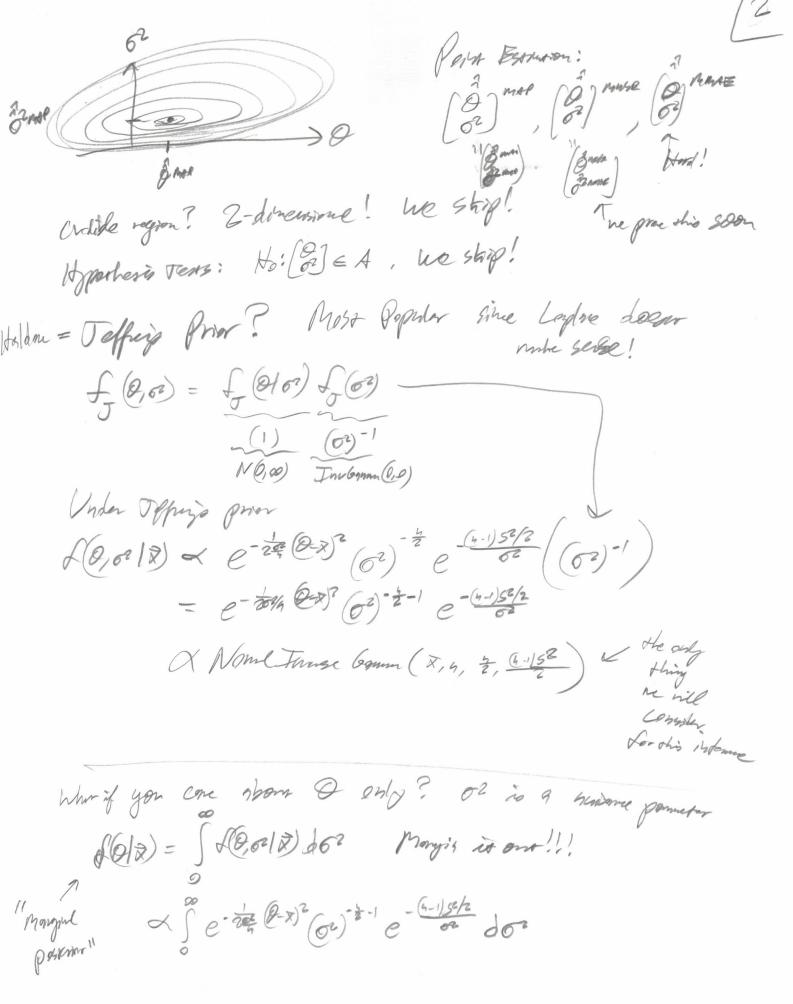
Lec 23 M AN 79/691 Xum & 24 MO102) Book granns! f(0,001x) = f(0,001x) f(0,00) × print for book! X f(0,012) f(0,00) = (1 Janos e - 162 (x-0)2) (0,03) ~ (62)-4/2 C-10 (50)2 K(0,00) None: 2(x-x)- 2 ((x-x)+(x-0))2 = E(x-x)2+22(x-x)(x-0)+E(x-0)2 = (4-1) 52 + 28(xx-x2-x20+x0) +4(x-0)2 =6-1)53 +2 (2x2-1x2-1x2-1x0+4x0)+4(x-0)2 =(9-1)52 × 4(x-0)2 $= (62) - 4/2 e^{-\frac{(\mu - 1)5^{2}/2}{62}} e^{-\frac{102}{102}(x - 0)^{2}}$ = e- 12 (x-0)2 (02) - (3/2) - (-1)52/2 HOOS N(x,000) In Gamm(12, 6-1)50) 4 We Lighte Normal Instann (1 = x,) = y, x = 4+3, B = (4-1/5?) =) k(0,02) \(\alpha = \frac{1}{20} (0-40)^2 (0^2)^{-\alpha_0-1} e^{-\frac{\beta_0}{20}} \times Normal Falsam (100 Tracks) he will not use getter prior How to single from LO102/7) = FO/12/02) F(02/2) How to single only 8? (Style Som In bound 62, 61)52) Graple (0,00) poirs and ream only 8's! (2) Suple & for N(X, 0) Hon to sayle only or



$$= \int_{0}^{\infty} (6^{2})^{-\frac{1}{2}-1} e^{-\frac{h(2-x)^{2}/2}{6^{2}}} + \frac{h-1}{3^{2}/2} de^{2}$$

$$= \frac{\Gamma(\frac{h}{2})}{(h(2-x)^{2}+(6-1)5^{2})^{-\frac{h}{2}}} \times \left(\frac{1}{(h-1)5^{2}}\right)^{-\frac{h}{2}}$$

$$= \left(1 + \frac{h(2-x)^{2}}{(h-1)5^{2}}\right)^{-\frac{h}{2}}$$

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$$= \left(1 + \frac{1}{4 \cdot 9 \cdot x^{2}}\right)^{-\frac{1}{2}}$$

$$= \left(1 + \frac{1}{4 \cdot 1} \cdot \frac{9 \cdot x^{2}}{5 \cdot x^{2}}\right)^{-\frac{1}{2}}$$

What if you only core above or? I is a Grewine parment" f(01/x) =] f(02,8/x) dQ

$$= (62)^{-\frac{1}{2}-1} e^{-\frac{1}{262}} \int_{\mathbb{R}^{2}} e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right)^{2} \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right) \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right) \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right) \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right) \right] e^{-\frac{1}{262}} \left[e^{-\frac{1}{262}} \left(\frac{1}{12} - \frac{1}{262} \right) \right] e^{-\frac{$$

$$= \begin{pmatrix} \sigma^2 \end{pmatrix}^{\frac{1}{2}-1} e^{-\frac{(n-1)S^2/2}{\sigma^2}} \times \begin{pmatrix} \sigma^2 \end{pmatrix}^{\frac{1}{2}-1} e^{-\frac{(n-1)S^2/2}{\sigma^2}} \end{pmatrix} = \begin{pmatrix} \sigma^2 \end{pmatrix}^{\frac{1}{2}-1} e^{-\frac{(n-1)S^2/2}{\sigma^2}} \begin{pmatrix} \sigma^2 \end{pmatrix}^{\frac{1}{2}-1} e^{-\frac{(n-1)S^2/2}{\sigma^2}} \end{pmatrix} = \begin{pmatrix} \sigma^2 \end{pmatrix}^{\frac{1}{2}-1} e^{-\frac{(n-1)S^2/2}{$$

$$= \int_{\overline{A}} \int_{\overline{A}} \frac{1}{|A|^{2}} e^{-\frac{1}{2} \frac{1}{4} (K_{0} - 0)^{2}} \int_{\overline{A}} \frac{1}{|A|^{2}} e^{-\frac{1}{2} \frac{1}{4} (K_{0} - 0$$