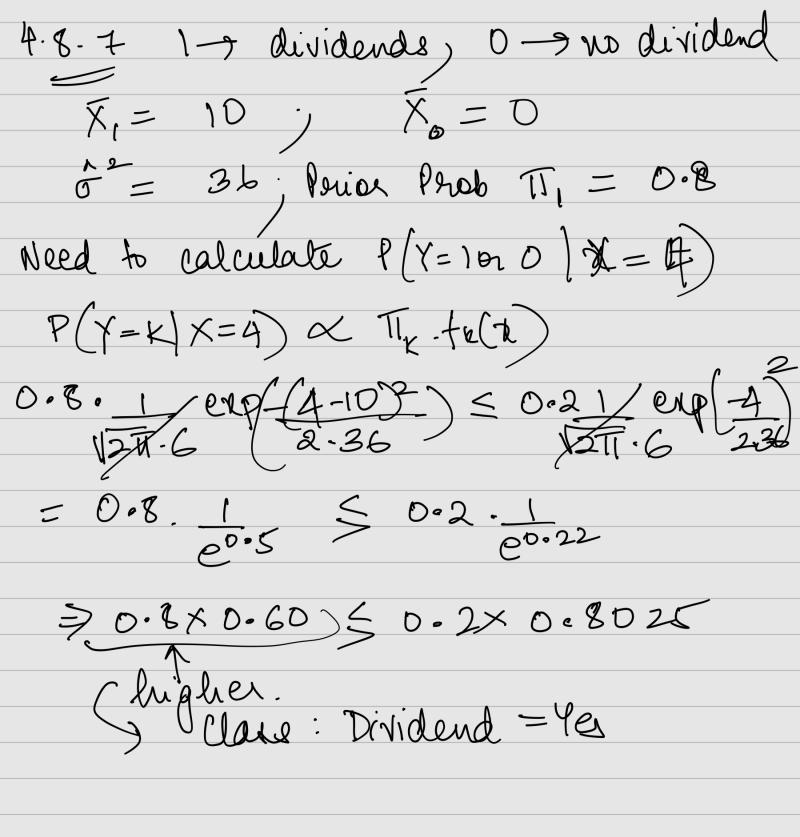
| 4.8.3 |
|--|
| |
| DDA, Normal Dict P=1 K dames X ~ N(µk, ok) |
| p=1 K danes |
| X ~ N(Mk, OK) |
| 1 |
| $f_{K}(i) = \frac{1}{\sqrt{2\pi}} \frac{e^{2} - 1}{\sqrt{2\pi}} \left(\frac{1}{2\pi} - \frac{1}{2\pi} \left(\frac{1}{2\pi} - \frac{1}{2\pi} \left(\frac{1}{2\pi} - \frac{1}{2\pi} \right) \right)$ |
| |
| We know that $PK(1) = \prod_{k \in I} f_k(1)$ |
| = "LTL(:L) |
| re = MIAA AMMAAAAAAAAAAAAAAAAAAAAAAAAAAAAA |
| - Alamaday Locali |
| = argmans lug II ic - (lug liett or) |
| $-\frac{1^{2}}{2\sigma_{k}^{2}}+\frac{\mu_{k}}{\sigma_{k}^{2}}-\frac{\mu_{k}}{2\sigma_{k}^{2}}$ |
| $\frac{1}{2} \frac{1}{\sqrt{2}} \frac$ |
| 20K |
| lince depende on k cannot ignore thus term like we did in LDA where it was a constant |
| this term like we did in LDA |
| where it was a constant |
| |
| dhoue arguar. |
| is a gradic function of xx. |
| Above arguardic function of rx. |
| |



To cale phobability. P(Y=1|X=4) = 11, f(1) T(1) + T(1) + T(1)0.8 x 1. exp(-(4-10)2) 1211-6 2x36 0.8×1 exp(4-103) + 0.2×1 exp(-(4-0)2)
1211.6 (2.36) $= 0.8 e^{-0.5} = 0.8 \times 0.606$ $= 0.8 \times 0.606$ $= 0.8 \times 0.606$ $= 0.2 \times 0.606$ = 0.48 = 74% 0.48 to . 1601 74.). perob flred company will island.