Precision for the Ganssian / Mormal PXX What is the precision ?? $N(X) \mu = \frac{1}{\sqrt{2\pi}} erpl - \frac{1}{2\pi^2} (x-\mu)^2$ Textbooks $N(X; \mu_1(x^2)) = \frac{1}{6^2 2\pi} \exp(-\frac{1}{2\sigma^2}(X-\mu)^2)$ $\mathcal{N}(X)_{\mu}$ \mathcal{N}^{2} = $\frac{\mathcal{T}}{2\pi}$ expl $-\frac{\mathcal{T}}{2}(X-\mu)^{2}$) $T:=\frac{1}{\sigma^2}$ inverse of the variance Why? —7 Souphfies Bayeson Analyses Cobecanse T Bh the numerator P(X) (=0.5) (2=0.25) = 4 (=1, 02=1, c=1 0 W=5 10 wites Normal high TIG2 s norrow Norral myh z 0,02,0 do not affect the mode linear