Gaussion/Normal Distribution - Intro the "bell-cyrve" -> Position? -> Scale? How can we get the bell shape? hae: Special case of univariale, that X is the dimension of (= a Scalar) p(x) is only oat to P(x) $p(x) \sim exp(-x^2)$ Move to left & right? $p(x) \sim exp(-(x-y)^2)$ Change the shape? P(x) vexp(- 1 Cxm)2) Vormable? $P(x) = \frac{1}{\sigma(z_{\overline{y}})} exp(-\frac{1}{2\sigma^2}(x-y_{\overline{y}})^2)$ Parameter of the Normal M. mean (centr) (par) V. Standard deviction (Scale) Shorthand; $\chi \sim_{P}(\chi) = \chi(\chi)$ the grades X ~ N (2.5, 1.0)