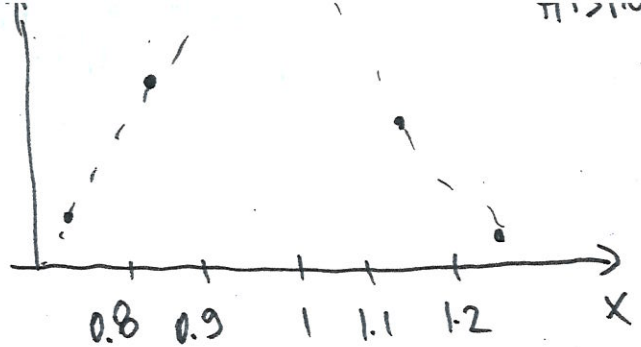
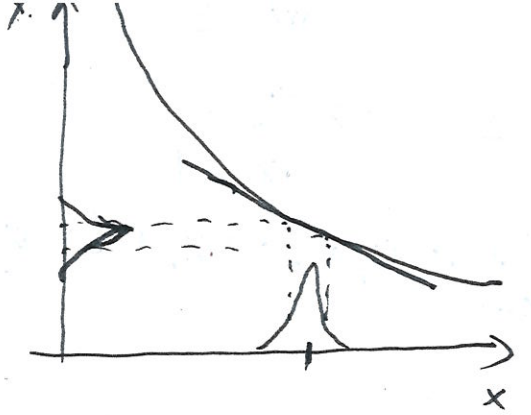




$x \pm \sigma$

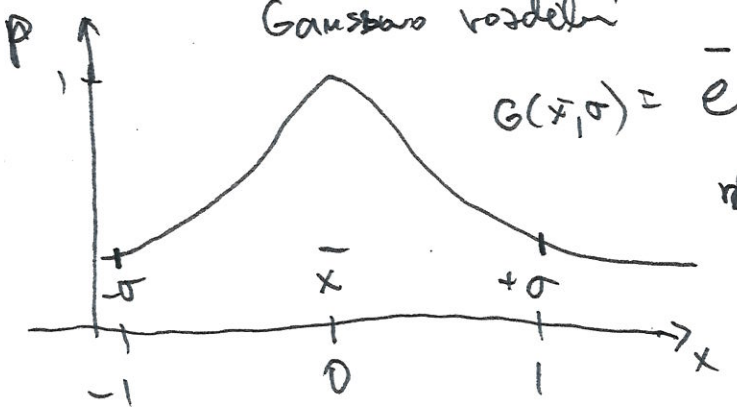
$$y = \frac{1}{x}$$

$$y_\sigma^2 = \left(\frac{\partial y}{\partial x}\right)^2 x_\sigma^2$$

Gaussovo rozdělení

$$G(\bar{x},\sigma) = e^{-\frac{(x-\bar{x})^2}{2\sigma^2}}$$

rel. $\frac{\sigma}{\bar{x}}$

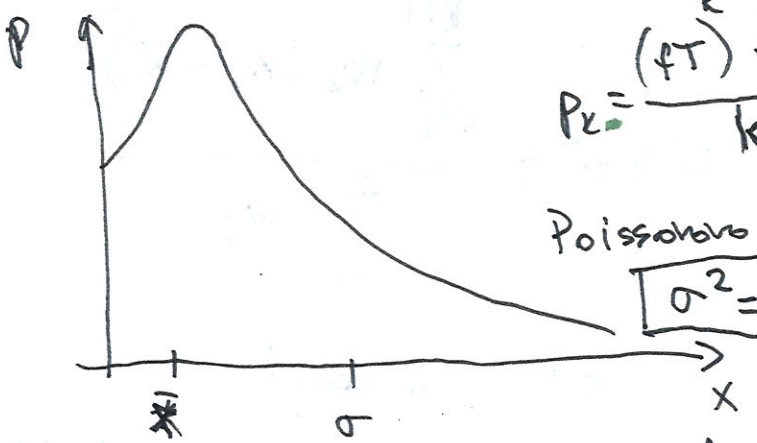


$$\frac{ce}{c} = \frac{\sigma_f}{f}$$

$$* \quad y = \frac{1}{N}\sum_{i=1}^{N} x_i$$

$$\sigma_y^2 = \left(\frac{\partial x_1}{\partial \bar{x}}\right)^2 \sigma_{x_1}^2 + \dots$$

$$\bar{x} \pm \frac{\sigma}{\sqrt{n}} = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n(n-1)}}$$



$$P_k = \frac{(fT)^k e^{-fT}}{k!}$$

Poissonovo rozdělení

$$\boxed{\sigma^2 = \bar{x}}$$

rel. $\frac{\sigma}{\bar{x}} = \frac{\sqrt{\bar{x}}}{\bar{x}} = \frac{1}{\sqrt{\bar{x}}}$