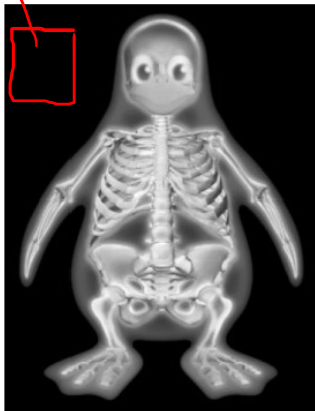


A metric to describe noise strength

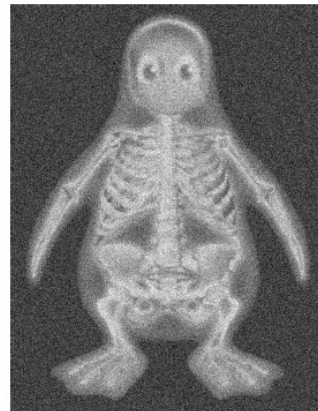
$$SNR = \frac{\mu_{image}}{\sigma_{image}} \quad (3)$$

$$SNR_{db} = 20 \log \frac{\mu_{image}}{\sigma_{image}} \quad (4)$$

- Select a region
- Compute average intensity
- Compute std deviation
- Apply eqns 3 or 4



SNR =  $\infty$



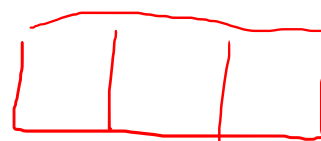
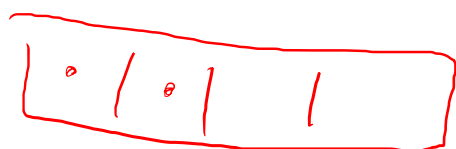
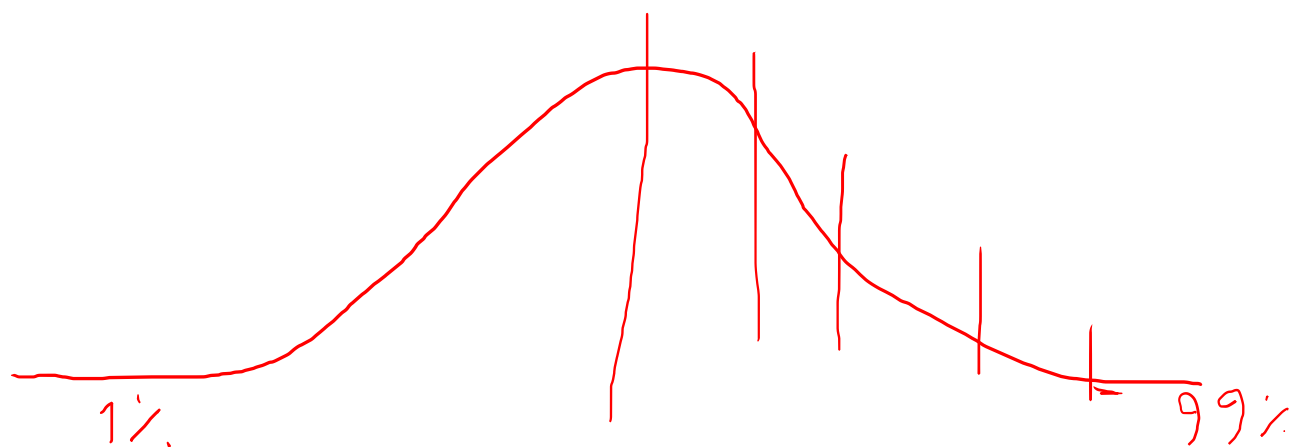
SNR = 5



SNR = 2



SNR = 1



$\frac{1}{n}$

$1 \quad 0 - 1$

$\frac{1}{n}$