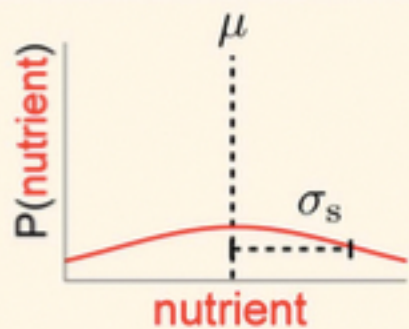
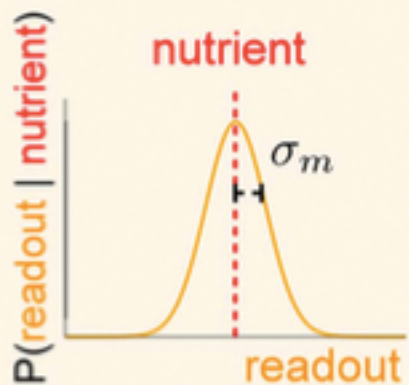


Environmental  
distribution

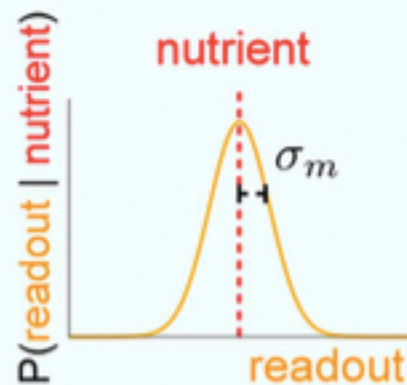
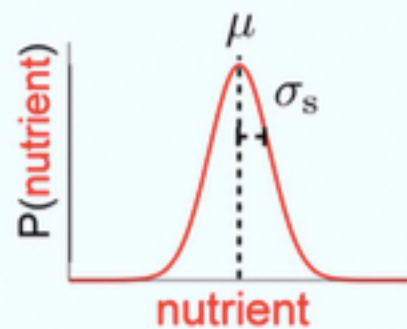


Measurement  
imprecision



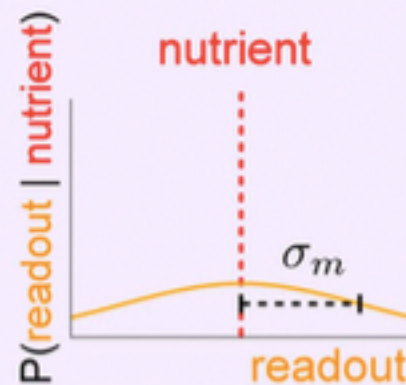
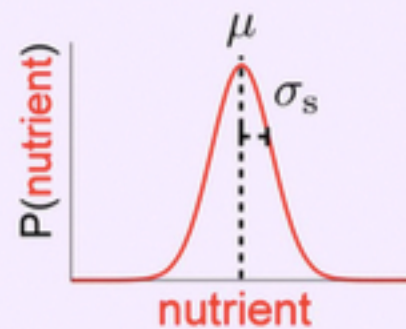
$$r \ll 1$$

**definitive measurement**



$$r \sim 1$$

**ambiguous measurement**



$$r \gg 1$$

**useless measurement**

$$r \equiv \frac{\sigma_m^2}{\sigma_s^2}$$

Optimal regulatory  
strategy

*naive response*



*inference*



*constitutive response*

