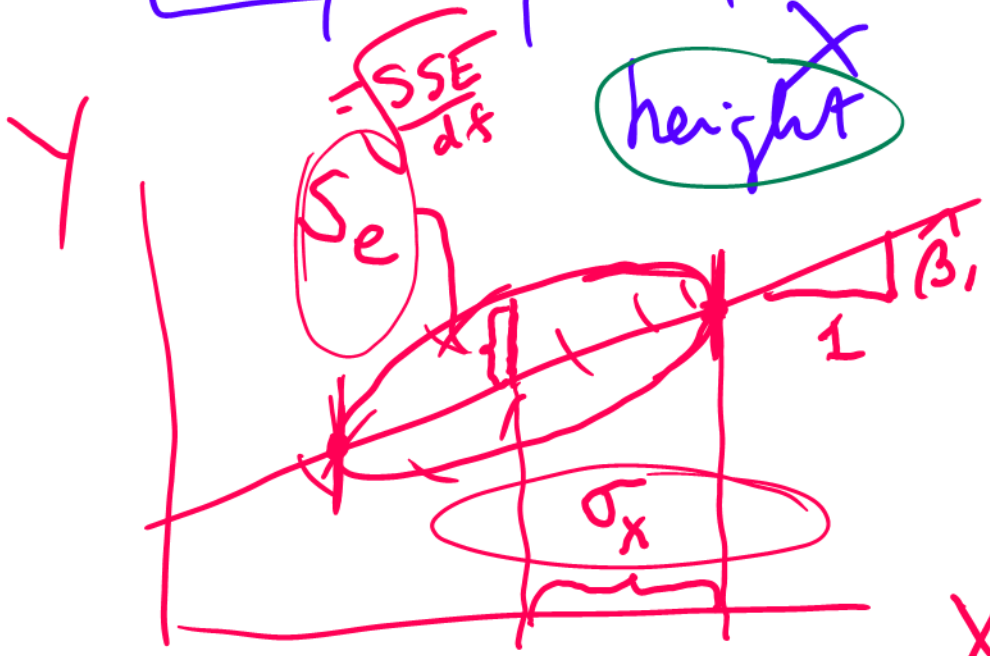
Coef	SE	t	P
10.2	2.0	5.1	0.0001

smaller n → ~ 10.2 ↑

$\frac{10.2}{2.0}$



$n \uparrow \quad SE(\hat{\beta}_1) \downarrow$

$$SE(\hat{\beta}_1) = \frac{1}{\sqrt{n}} \frac{S_e}{\sigma_x}$$

Effect size?

X

Coef $\hat{}$ 10.2 : E $\left(\frac{\Delta \text{Wei}}{\Delta \text{Hei}}\right)$

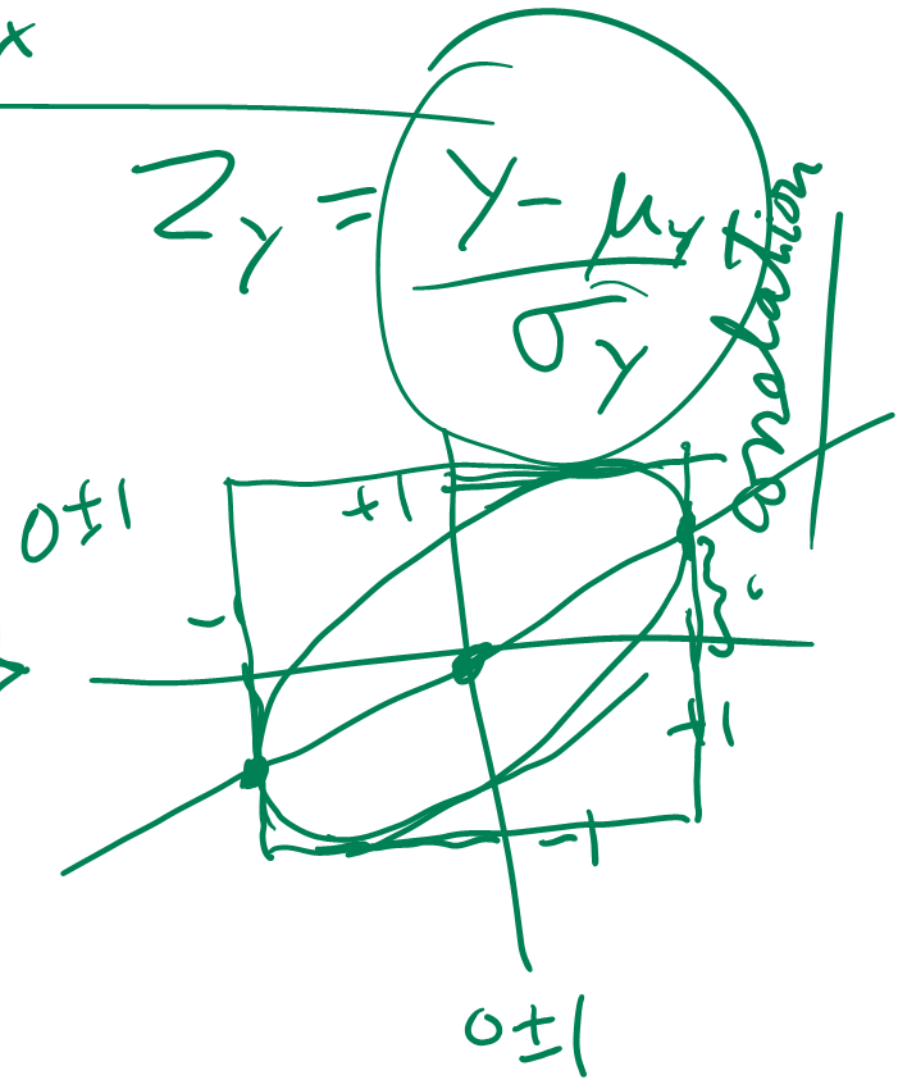
kg/cm

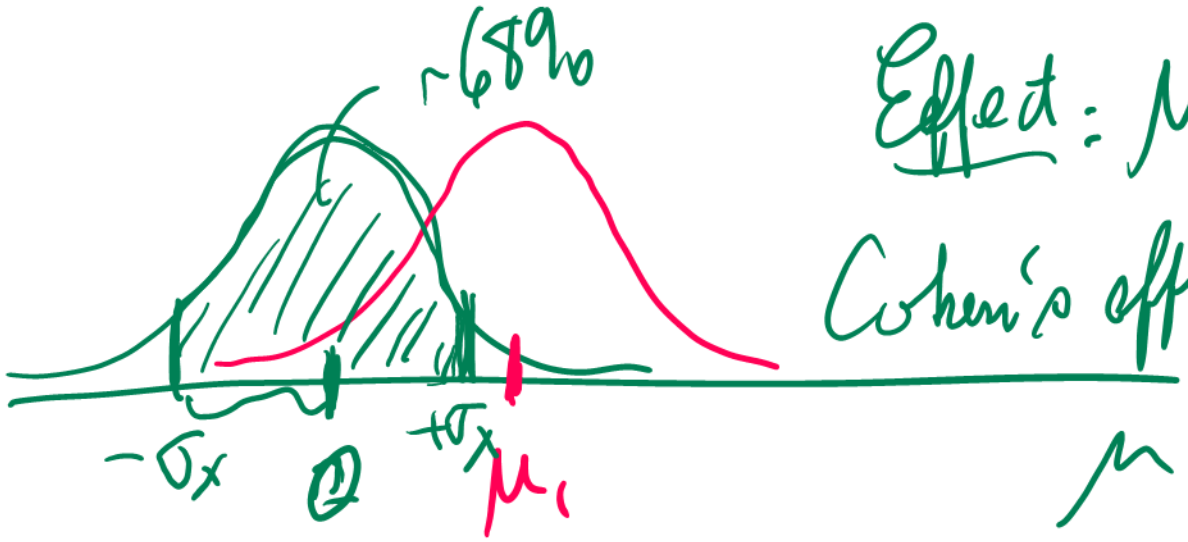
X in cm X in σ_x

Y in σ_y X in σ_x

$$Z_x = \frac{X - \mu_x}{\sigma_x}$$

$$Z_y = \frac{Y - \mu_y}{\sigma_y}$$





Effect: $\mu_1 - \mu_0$ depends on unit

Cohen's effect size

$$\frac{\mu_1 - \mu_0}{\sigma}$$

Coef SE $\pm$ P

$\bar{X}_2 - \bar{X}_1$ SE $\pm$ .002 ?