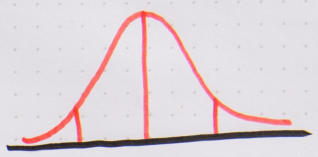


Is The Relationship Important?

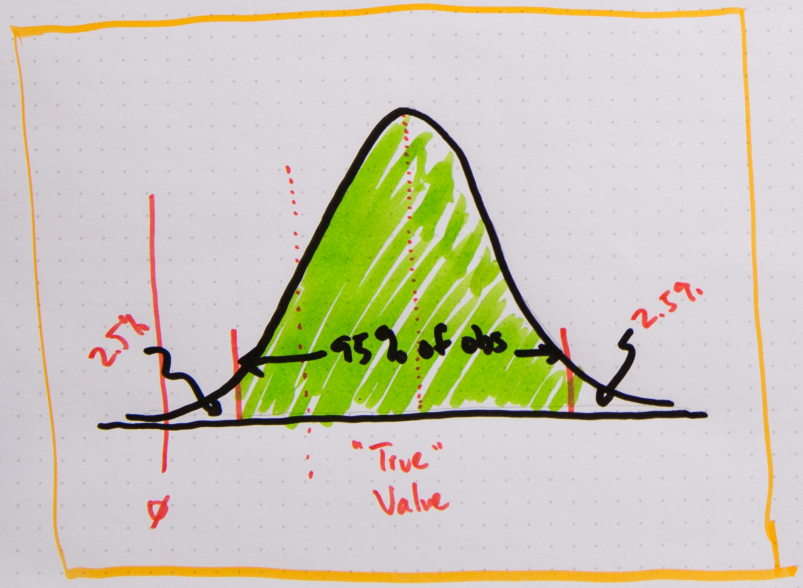
$$[H = a + b \cdot \text{YearsEd}]$$



1. Substantively - Is 1.2 large?
- You get to decide

2. Statistical - how sure am I of this relationship?

1. 250 people drawn.
 2. Estimate $\rightarrow \hat{a}, \hat{b}$
 3. plot \hat{b} 's
- } repeat lots of times



Decision rule: If a value as far away as μ occurs

< { 5% of time } \Rightarrow stat. significant

> { 5% } \Rightarrow not stat signif.

$$H = 64 + 1.2 \cdot \text{Years}$$

(50, 78) (0.1, 2.3)

Yes, it is stat. sign. diff. fl/