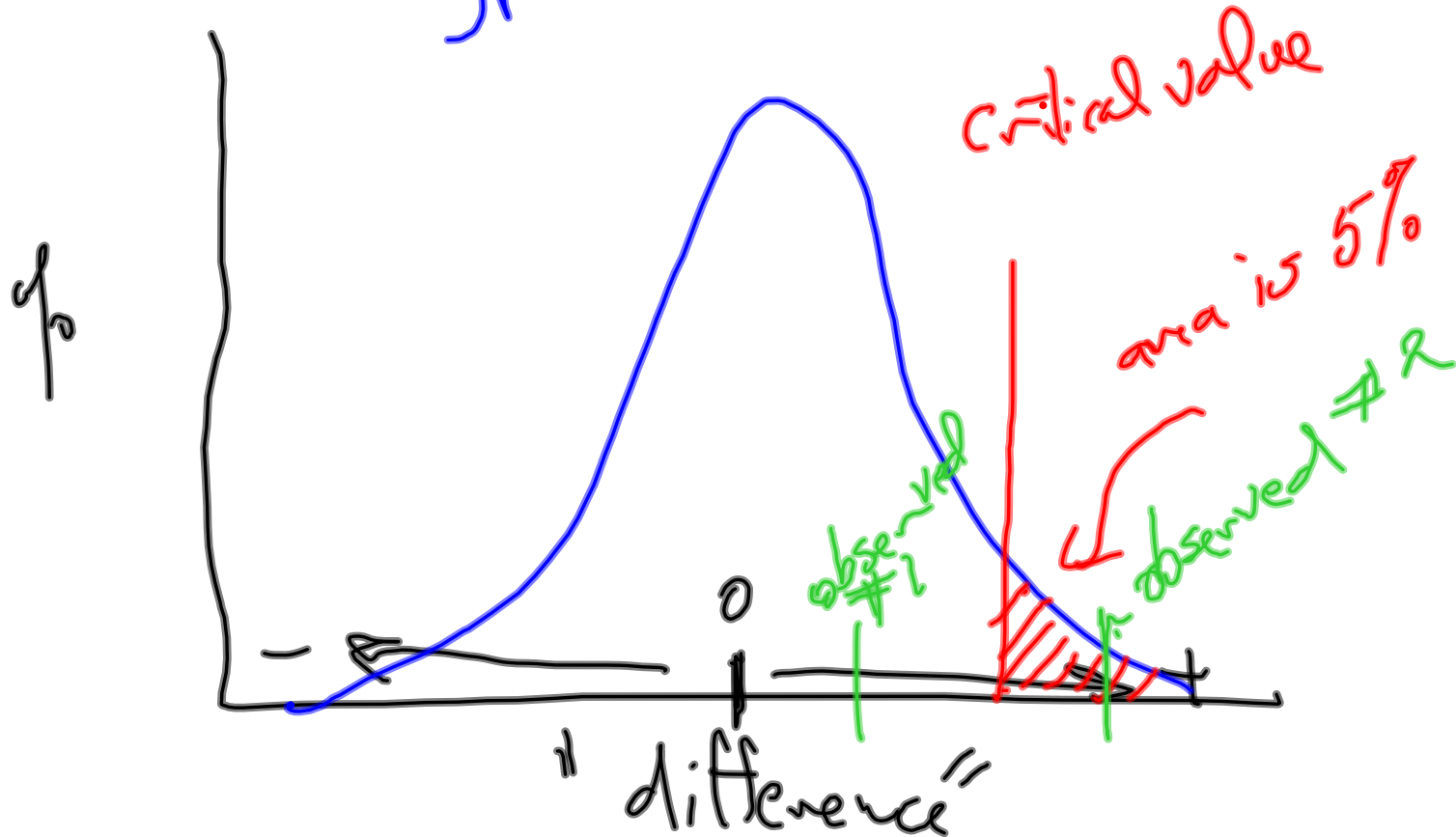


+

# Should statistics be shot?

hypothesis: no difference



Ante: \$ 1 Decision Theory  
Prize: \$ 10

Prob of winning is  $\frac{4}{52}$   
Take the bet:

$$\begin{aligned} & \frac{4}{52} (10-1) + \frac{48}{52} (-1) = \\ & \frac{9 \cdot 4 - 48}{52} = \frac{36 - 48}{52} \\ & = \frac{-12}{52} \end{aligned}$$