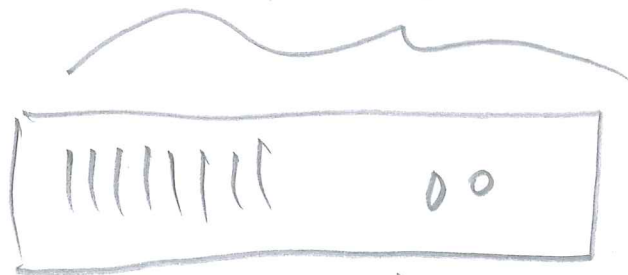
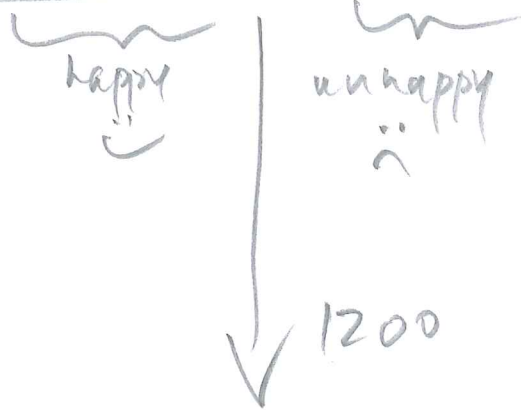


$$H_0: p = P(\text{Uber customer in Sydney}) = 0.8$$



$$\text{mean} = 0.8$$

$$\text{SD} = 0.4$$



$$OV = 948$$

sample sum

$$EV = 1200 \times \text{mean} = 960$$

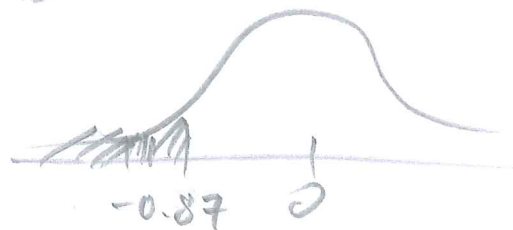
$$SE = \sqrt{1200 \times SD} = 13.9$$

$$H_0: p = 0.8$$

$$H_1: p \neq 0.8$$

$$TS = \frac{OV - EV}{SE} = \frac{948 - 960}{13.9} = -0.87$$

$$p\text{-val} = 0.39$$



Retain H_0 ...
Sydney Uber customers have same
Satisfaction ratings to Melbourne.