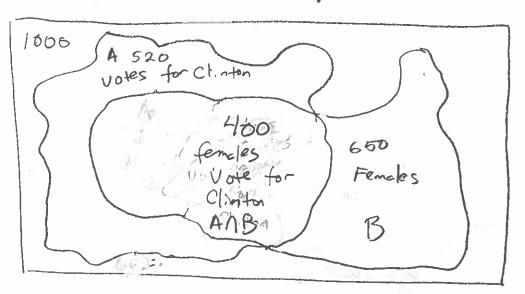
## A sample of 1000 voters



(Not scaled Vory well, but you get the ideal)

$$P(B) = .15$$

$$\rho(A) = .52$$

We know a vote was cast by a femela. What is the probability the voke was for Clinton?

$$P(A|B) = \frac{\text{area ANB}}{\text{area B}} = \frac{P_r(A,B)}{P_r(B)} = \frac{.4}{.65} = .61$$

The Knowledge that a voter was female changel the probability of a vote for Clinton from .52 to .61.