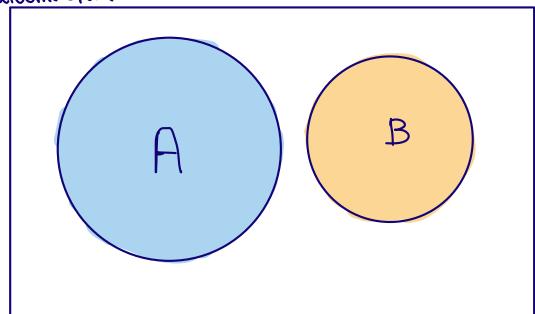
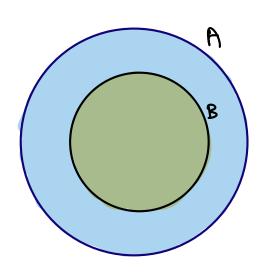
Outcome Space



More generally.....

$$P(\hat{V}|A_i) = \sum_{i=1}^{n} P(A_i)$$

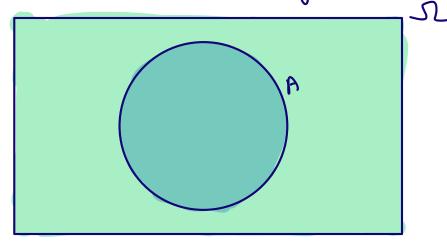
Nested Events



$$P(A \text{ but not } B) = P(A \setminus B)$$

$$= P(A) - P(B)$$

This is where the complement rule skins from:



$$P(A') = P(\mathcal{I}(A)) = P(\mathcal{I}(A) - P(A)$$

= 1 - P(A)