

## Events are subsets

- Since events are subsets, we can interpret all of the “set things”:
- $A \cup B$  = “at least one of  $A$  or  $B$  happens” (inclusive or);
- $A \cap B$  = “both  $A$  and  $B$  happen”;
- $A^c$  = “ $A$  does not happen”;
- $A \subseteq B$  = “If  $A$  happens, then  $B$  happens”