2.2: Sample Space and Events

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Def: The **sample space** S is the set of all possible outcomes from an experiment.

Def: Any subset $E \subset S$ is called an **event**. An event is a set consisting of some, but not all, possible outcomes of an experiment. If the outcome of an experiment is in E we say that event has occured.

0.1 De Morgan's Laws

$$\left(\bigcup E_i\right)^c = \left(\bigcap E_i^c\right)$$

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