**Probability**

Impossible equally likely Certain

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Theoretical

Probability

Experimental

Probability

What you expect to happen

No action: chances of pulling a card out of a deck

Do an experiment

Action: pull a card from a deck

**Probability of a single event:**

p(a particular outcome) = # of ways of getting outcome

total # of outcomes

**Probability of two events:** FUNDAMENTAL COUNTING PRINCIPLE

(multiply the probabilities together)

Make: lists, tables, matrices, tree diagrams to calculate probabilities

**Conditional Probability**

**Independent dependent**

with replacement without replacement