

# AP Statistics

## 2019-01-28 5.1 Randomness, Probability, & Simulation

### Notes taken by: **Noah Overcash**

The **law of large numbers** says that the more times a chance simulation is performed the closer the proportion of outcomes come to what is expected

For example, flipping a coin. The more times it is flipped the closer to 50% of the time

The imitation of chance based on an accurate model is called a **simulation**

Performing a simulation:

State

What is the question?

Plan

Describe how to use a chance device to imitate the process. Explain the outcomes of the process.

Do

Perform many repetitions of the simulation

Conclude

Answer the question using the results