**SIMULATIONS**

The imitation of chance behavior

1. **State:**
	* The problem
	* The possible outcomes
	* Probabilities
2. **Plan:**
	* What random model will you use?
	* What does each outcome on the model represent in context of the problem?
	* What will you measure?
	* What exactly are you going to do?
	* Repeat how many times?

**\*\*\*Be clear enough so the reader could run your exact simulation from reading only your written explanation.**

1. **Do:**
	* Perform repetitions of the simulation
	* Show what you got
2. **Conclude:**
	* Analyze your results
	* Estimate your probability
	* Answer the original question in context