**Study Guide**

Read the class syllabus and watch the three videos on cards, dice, and coins. Be able to answer the following questions:

1. From the syllabus:
   1. What are the three main course objectives (i.e., what should you be able to do when you finish the course)?
   2. How many assignments will there be, and what are they?
   3. When the instructor calls on you in class, what is expected of you?
   4. What are synthesis days?
   5. What are the units of the class?
   6. How is your grade calculated?
2. From the videos:
   1. What is a fair coin? How does it generate random outcomes?
   2. What is a fair die? How does it generate random outcomes?
   3. What does it mean to "shuffle" a deck of cards? Why is the first card drawn from a deck more "random" than the second card drawn from a deck?

**Pre-class Work**

You'll be polled on the answers to the questions in the study guide. Have them ready to copy and paste.