Chapter 6

# Try It Yourself: Simulate Samples

## StatCrunch Instructions

1. Open StatCrunch
2. Applets → Simulation → Coin Flipping
3. Probability of Heads → 0.5
4. Number of coins: 30
5. Under “Tally heads in tosses”:
   1. Click “Proportion”
   2. Select “>=”
   3. Enter 0 in the box to the right
6. Click Compute!
7. Click “1000 runs” 10 times to simulate 10,000 sample proportion values

Simulate distribution for sample size 100

1. Applets → Simulation → Coin Flipping
2. Probability of Heads → 0.5
3. Number of coins: 100
4. Under “Tally heads in tosses”:
   1. Click “Proportion”
   2. Select “>=”
   3. Enter 0 in the box to the right
5. Click Compute!
6. Click “1000 runs”10 times to simulate 10,000 sample proportion values

Simulate distribution for sample size 1000

1. Applets → Simulation → Coin Flipping
2. Probability of Heads → 0.5
3. Number of coins: 1000
4. Under “Tally heads in tosses”:
   1. Click “Proportion”
   2. Select “>=”
   3. Enter 0 in the box to the right
   4. 5. Click Compute!
5. Click “1000 runs”10 times to simulate 10,000 sample proportion values
6. Observe all three distributions and compare.