Chapter 6

# Try It Yourself: Simulate Flipping a Loaded Coin

1. Applets → Simulation → Coin Flipping
2. Probability of heads → 0.7
3. Number → “>=” → 0
4. Seeding for random data → Use fixed seed → Seed → 1234
5. Click Compute!

Flip Coin X Times and Plot Results

1. If you’d like to flip the coin 5 times then you can click “5 runs.” If you’d like to flip the coin 20 times then you’ll need to click the “5 runs” button 4 times. And so on.
2. Click “Analyze”
   1. Results of coin flips will be stored in the first empty column.
   2. Change the name of this column of results to number\_of\_heads
3. Graph → Bar Plot → With Data
   1. Select columns → Select the column of coin flip results (number\_of\_heads)
   2. Type → Relative Frequency
   3. Click Compute!
4. Repeat steps 6–8 for 5, 10, 100, 1000 flips of the coin.