

# Probability

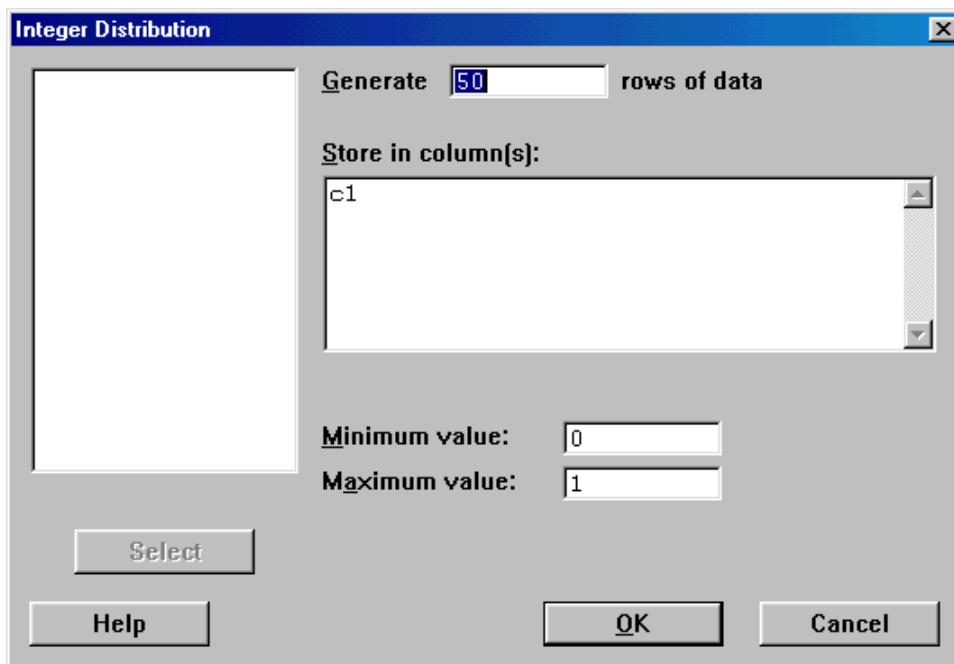
## Technology Assignments

### Chapter

# 4

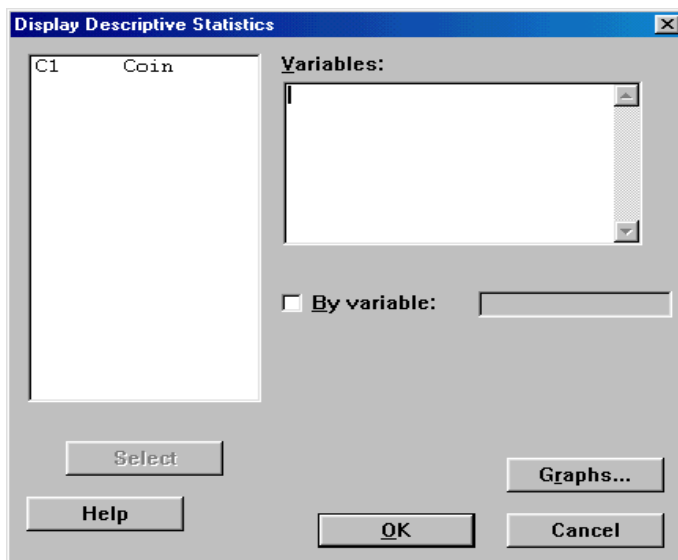
#### TA 4.1, pg. 187 Simulating Probabilities

You can use MINITAB to simulate the tossing of a coin. Use Column 1 to represent the coin. Label C1 'Coin'. The possible outcomes on each toss are 'heads' or 'tails'. Assign a '0' for a Head and '1' for a Tail. Click on **Calc** → **Random data** → **Integer**. **Generate 50 rows of data** and **Store in column C1**.

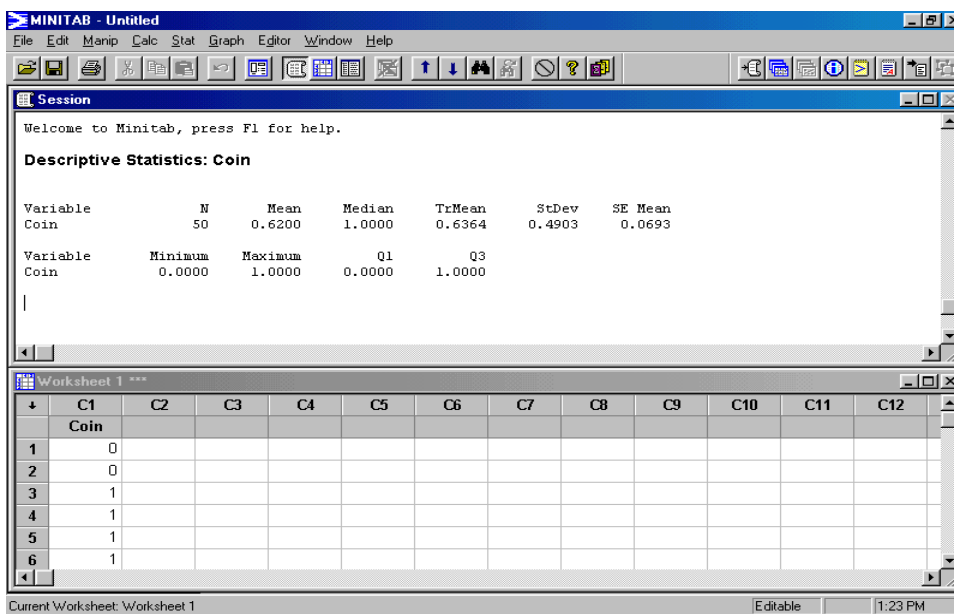


Click on **OK** and you should see the random data in C1.

To find the mean of this data, click on **Stat** → **Basic Statistics** → **Display Descriptive Statistics**. You should see the input screen below.



Double click on C1 to select C1. It will appear under **Variables** on the right side of the screen. Click on **OK** and the descriptive statistics should appear in the Session Window.



In this simulation, the mean is 0.62. This means that 62% of the simulated coin tosses were Heads. Since this is random data, your simulation will be different than the one shown here. Repeat these steps for parts b and c.



## **Suggested Exercises**

### **Technology Assignments**

pg. 187: TA 4.2