

# Lab Report: Normal Distribution

Name(s):

## ***Key Terms***

Provide the definitions for the following terms:

- normal distribution
- standard normal distribution
- z-scores
- critical value

## ***Histogram***

Copy/paste the histogram generated by Statcato below:

## ***Descriptive Statistics***

Mean and standard deviation

## ***z-scores***

Copy/paste the unusual data values:

**Unusually low values:**

**Unusually high values**

## ***Normal Distribution***

**Probability that a randomly chosen schizophrenic eye gain ratio is less than 0.8:**

**Probability that a randomly chosen schizophrenic eye gain ratio is at least 0.5:**

**Probability that a randomly chosen schizophrenic eye gain ratio is between 0.8 and 1:**

**The 60<sup>th</sup> percentile:**

***Discussion***

- 1.
- 2.
- 3.
- 4.