Chapter ½ Review – Chapter 3 Preview:

You have each been given a sample of sweet and salty M&M mix. We want to know if you get the same amount of sweet (m&m and cookies) and salty (pretzels and peanuts) in each handful. First, we should define the following:

What are the variables?

What are the possible values?

What is the score for sweet \_\_\_\_\_\_ and salty \_\_\_\_\_\_\_?

What type of variables are we using?

Get some data! Ask the people around you for their scores:

|  |  |
| --- | --- |
| Sweet | Salty |
|  |  |
|  |  |
|  |  |
|  |  |

Frequency table of sweet:

Histogram of salty:

What type of distribution is salty? (describe the distribution):

What is the average sweet score?

What is the standard deviation sweet score?

What is the average salty score?

What is the standard deviation salty score?

If I said that my average sweet score was *M* = 4.5 (*SD* = 2.2) – could you explain what that means in plain English?

Is your score weird?! (chapter 3 preview)

Fill in the following formula:

(Your score – The average score) / the standard deviation of the score

Sweet:

Salty: