

Expectations for M&M's activity

- DO NOT EAT UNTIL DONE!
- On task!
- Respect your materials and those of your classmates as well
- Participate!
- Pick up any that fell on floor during activity

***1st hour, keep your containers and lids when finished. I need them back!

M&M's Scatter Plot activity

- We are going to create different kinds of scatter plots based on association



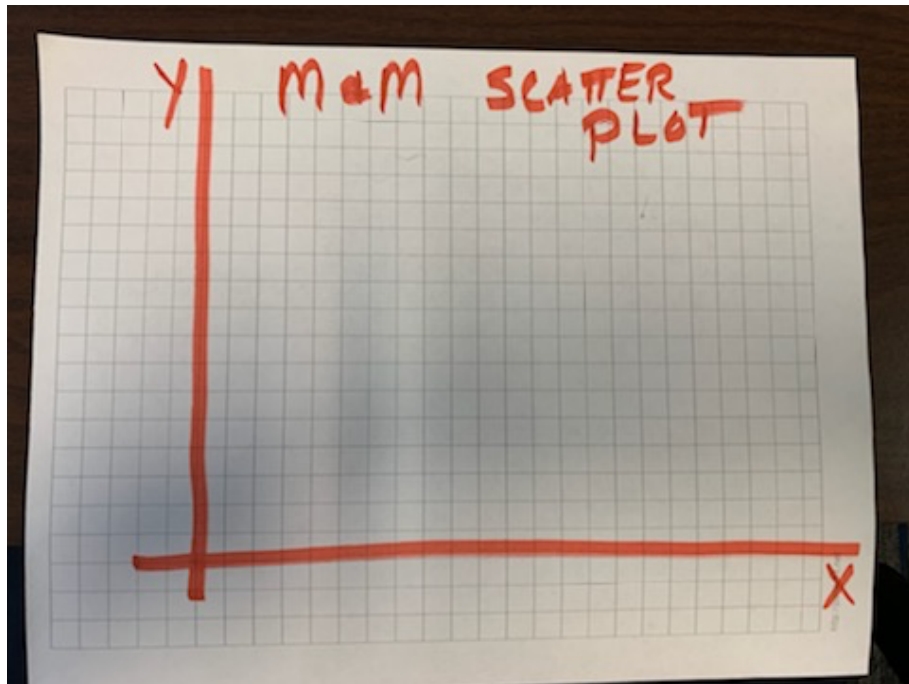
Mr. R
thinking
about the
M&M's
scatter
plot
activity!

Mr. R after the scatter plot activity if M&M's and Skittles are found on the floor by the janitors!

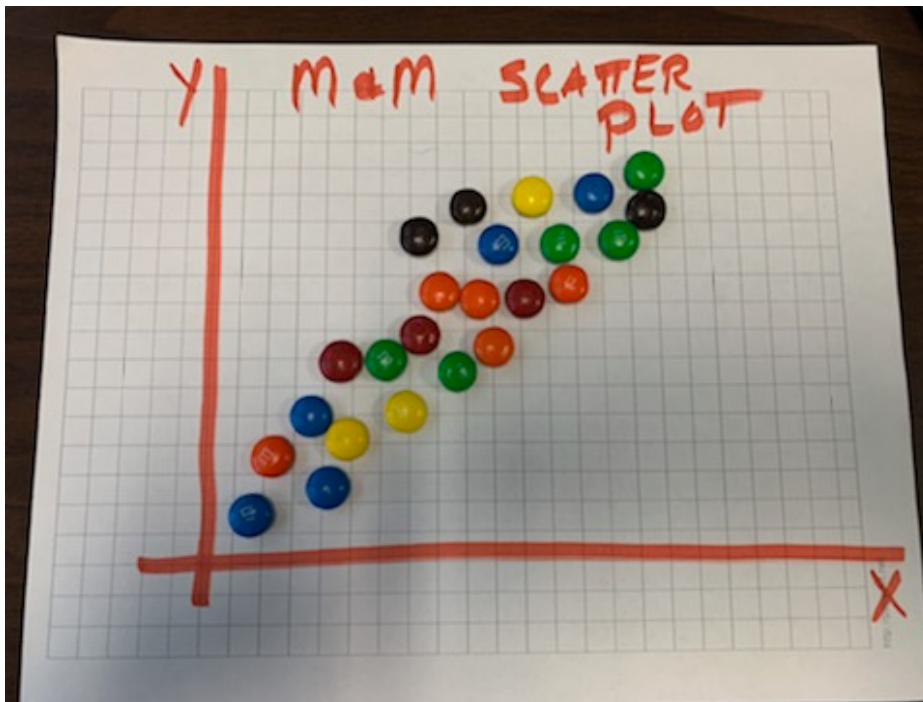


M&M Scatter Plot!

- Label x and y axis
- Get M&M's ready to go, DO NOT EAT!!

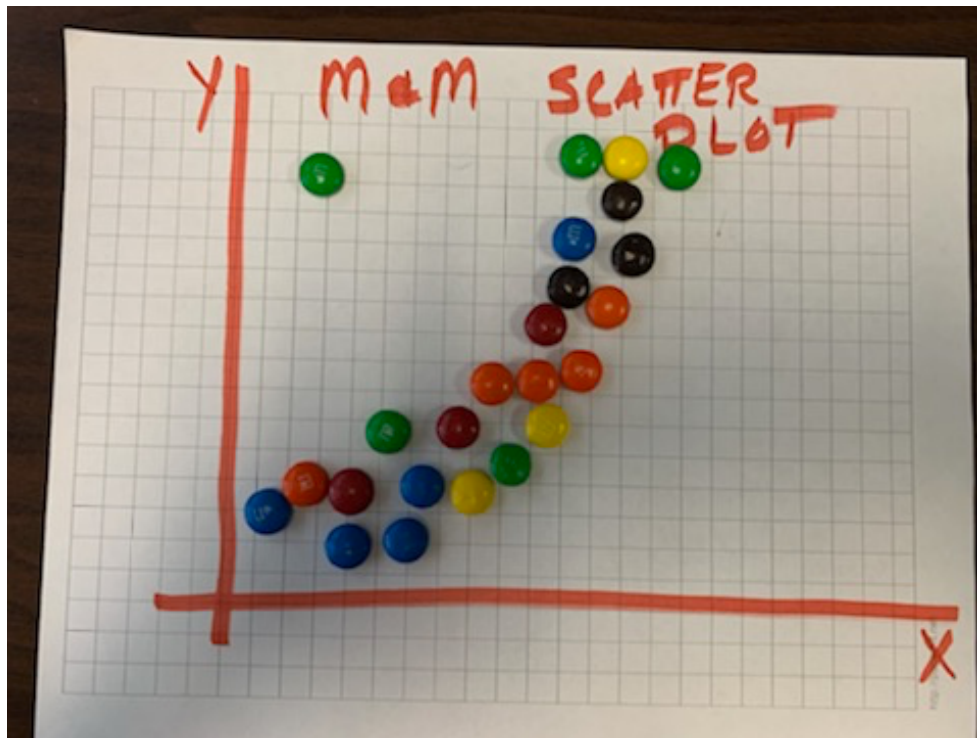


1.) Create a scatter plot that is **linear** and has a **positive, strong association**



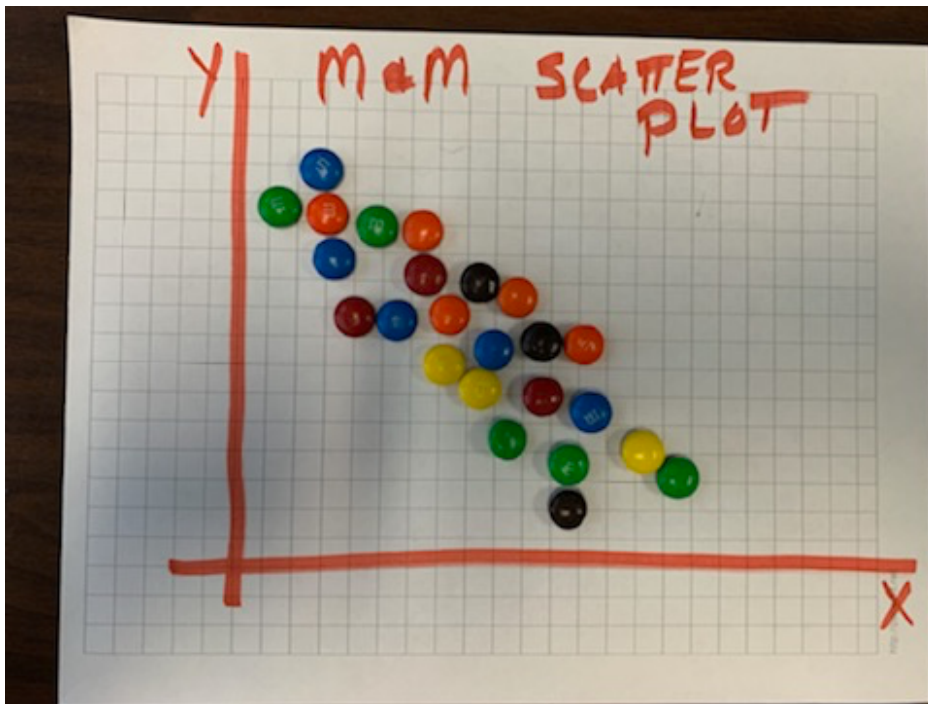
Outliers?

2.) Create a scatter plot that is **non-linear** and has a **positive, strong association with 1 outlier**



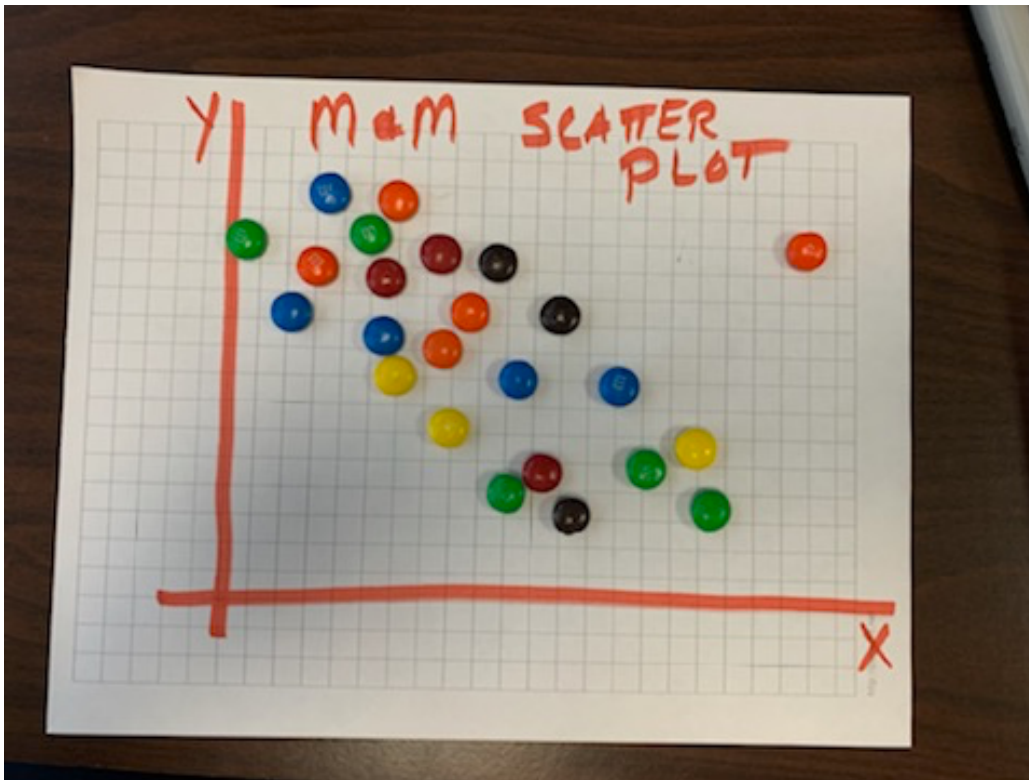
Outliers?

3.) Create a scatter plot that is **linear** and has a **negative, strong association**



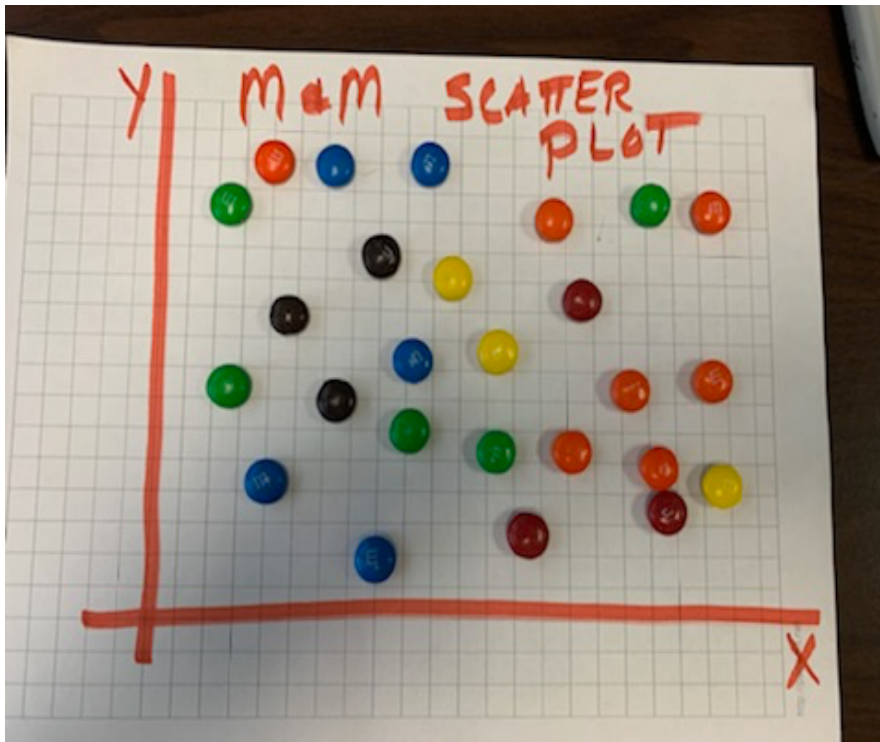
Outliers?

4.) Create a scatter plot that is **linear** and has a **negative, weak association** with **1 outlier**



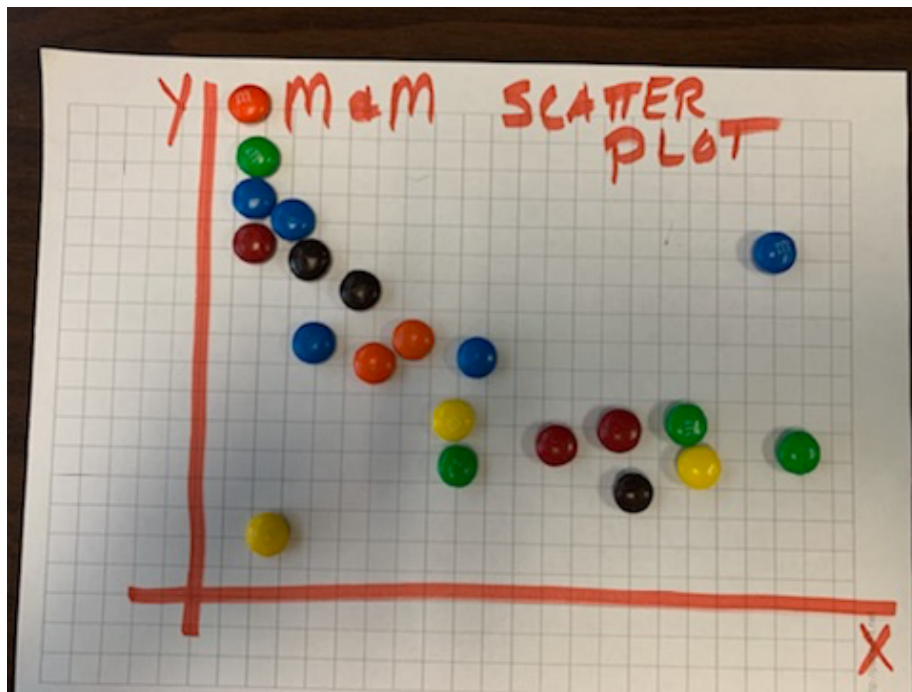
Outliers?

5.) Create a scatter plot that has **no association!**



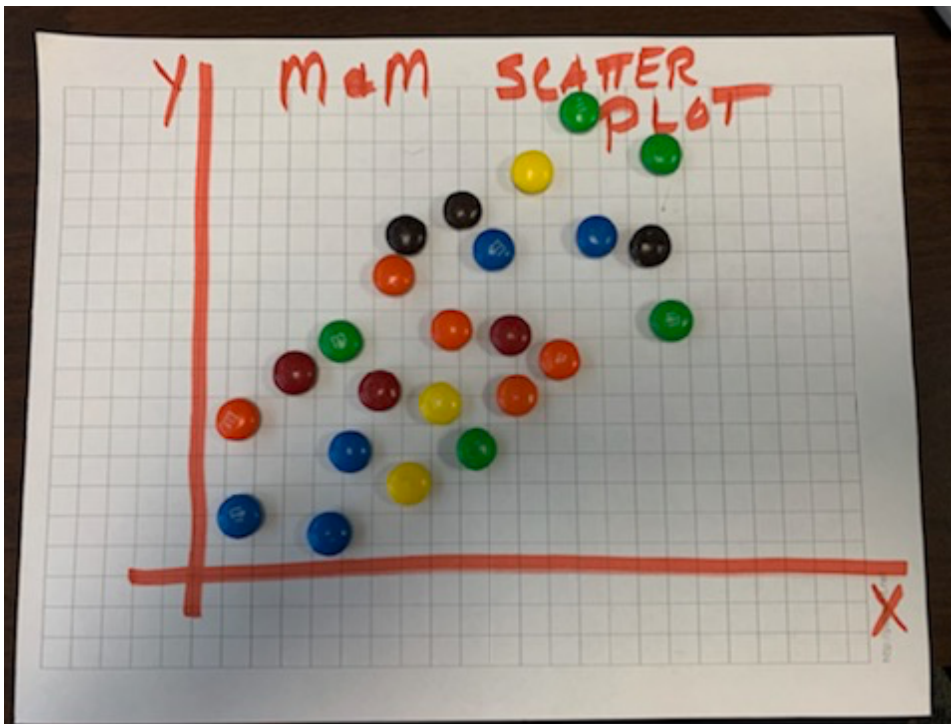
Outliers?

6.) Create a scatter plot that is **non-linear** and has a **negative, strong association** with **2 outliers**



Outliers?

7.) Create a scatter plot that is **linear** and has a **positive, weak association with 1 outlier**

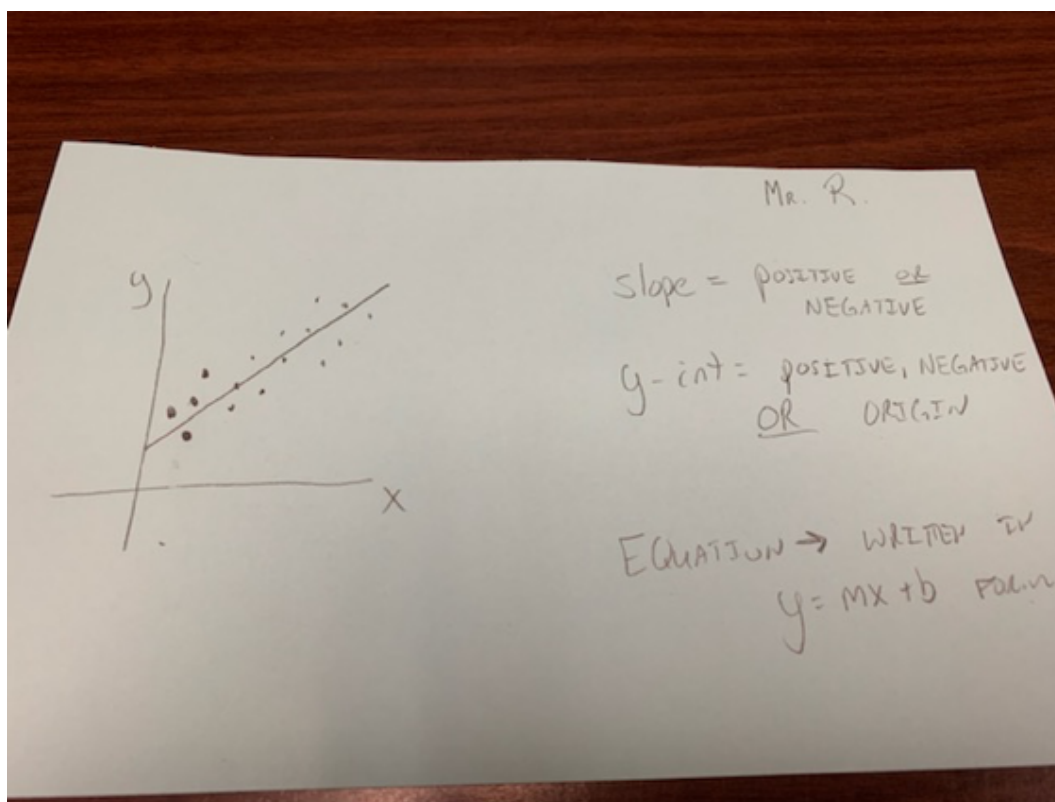


Outliers?

Donut eat your M&M's just yet.....



Exit Slip



Exit Slip

- 1.) Grab a half piece of paper and put your name on it.
- 2.) Create an M&M scatter plot on your graph paper that has linear and positive OR negative association.
- 3.) Re-create your graph by drawing the scatter plot on your half-sheet of paper.
- 4.) Fit a trend line into your data.
- 5.) Write a possible equation for your trend line
--focus on slope and y-int.

You may eat your data points!

