Scatter Plot:

Data plotted to try and show an association (relation) between two quantities (variables).

 **Types of Scatter Plot Associations (correlations):**

 

 y**-values increase as y-values decrease no pattern between**

 **x-value increase as x-values increase x and y values**

 **Linear Linear**

**Trend Line (best fit line) are used to make predictions inside the data and outside the data.**

Straight line drawn though the data points which usually shows a positive or negative correlation.

 

As the price decreased the number of As the study hours increased the math grade

peaches increased. increased.

For every $1 decreased peaches increase by 1 For every 1 hour studied grade increases 10 points

Association (negative) (positive)

**Outlier: a point that is off from the other data points**

 **Outlier**: (6,60) for 6 hours I only made $60 (should be $78)

**Linear: data appears to make straight line Non-Linear: not a straight line; has a curve**