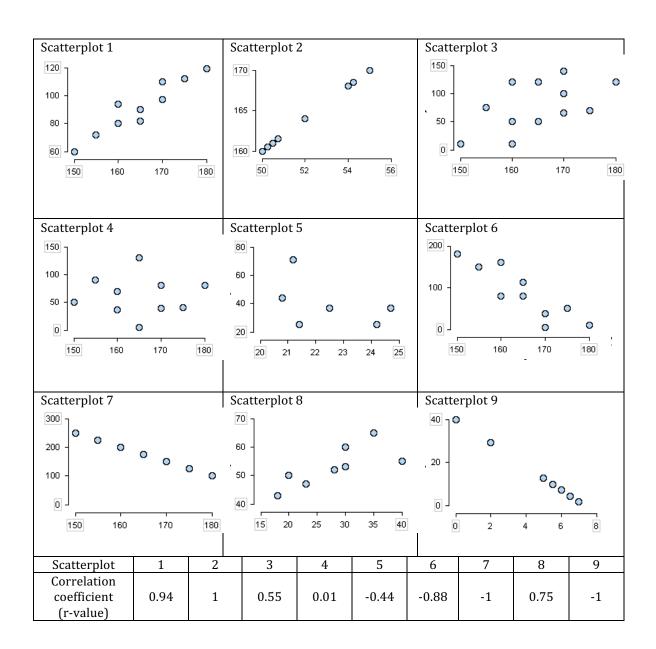
Learning Goal: Use a scatterplot to display the relationship between two quantitative variables. Describe the overall pattern and striking deviations from the pattern.

Learning Objective: Use r to describe strength and direction for a linear relationship.

Our goal in this activity is to look for patterns to try to figure out what the correlation r measures. Label each scatterplot with its correlation coefficient given below. The correlation coefficient is also called the r-value. Look at how the r-value relates to the trends in the scatterplots to answer the questions on the next page.



1)	Which of the nine scatterplots show a positive association between x and y?	
	A negative association?	No association?
2)	Look for patterns by comparing scatterplots r seem to be related to the patterns you see i	
3)	Prepare for the class discussion by answerin a) What does the correlation coefficient r te	
	b) Is there a largest possible value for r or convition without limit? What makes you think so?	an it have larger and larger values
	c) Is there a smallest possible value for r or values without limit? What makes you th	