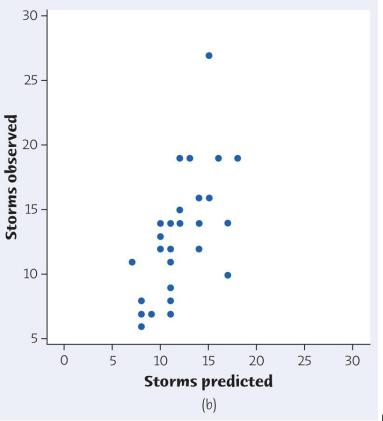
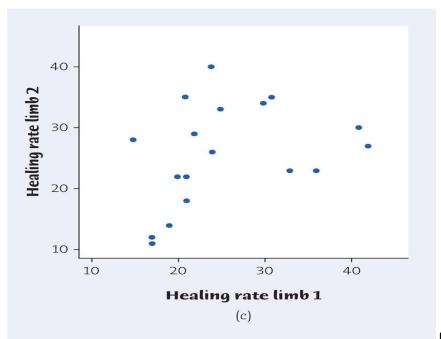


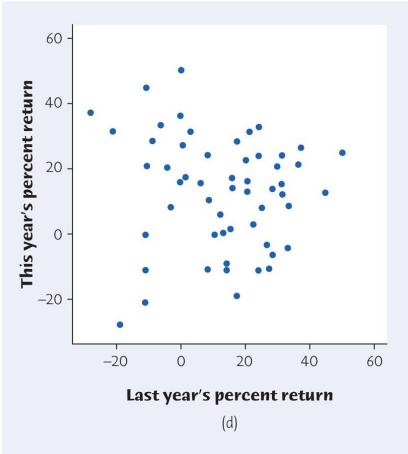
r = 0.954



r = 0.609



r = 0.358



r = -0.081

e		
ate		
	e	

4 cases of r

X increases Y increases

Each of the following statements contains a blunder. Explain in each case what is wrong.
(a) "A correlation of -1 means that two variables have no association whatsoever."
(b) "The correlation between atmospheric CO2 and Sea Surface temperature was found to be 33.49 degree Fahrenheit."
(c) "There is a high correlation between ethnicity of American workers and their income."
(d) "We found a correlation of 1.02 between exercise and life span in the elderly."
(e) "If X increases with the increase in Y values, almost linearly, then r would be negative."
(f) "There is a negative correlation between number of cigarettes smoked per day and the blood pressure of the individual."
(g) "r will be negative when X decreases and Y also decreases."