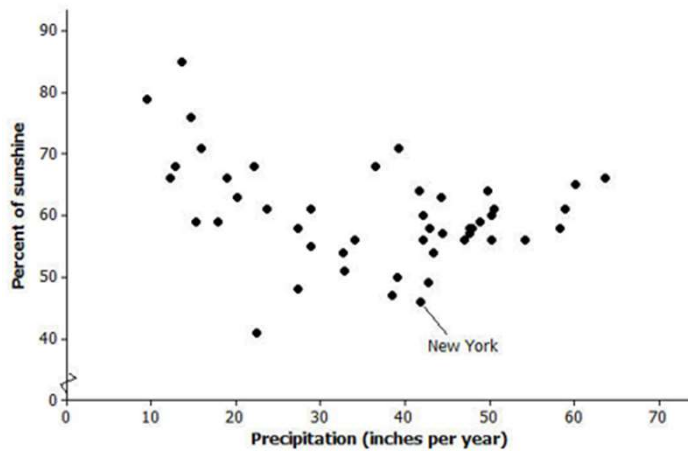


Scatter Plots

1. The plot below shows the mean percent of sunshine during the year and the mean amount of precipitation in inches per year for the states in the United States.



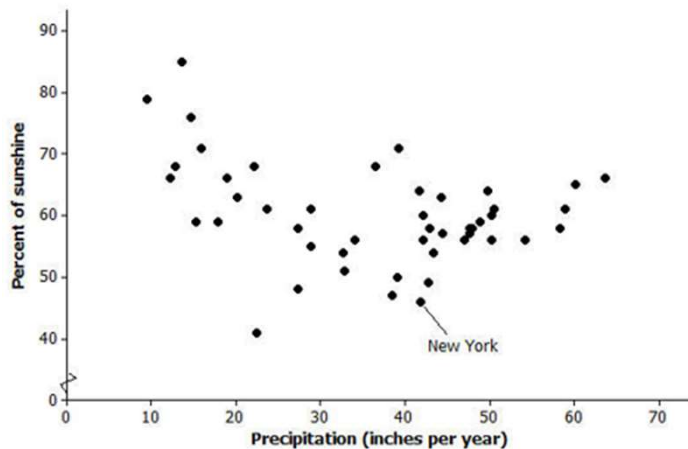
a) Where on the graph are the states that have a large amount of precipitation and a small percent of sunshine?

b) The state of New York is the point (46, 41.8). Describe how the mean amount of precipitation and percent of sunshine in New York compare to the rest of the United States.

c) Write a few sentences describing the relationship between mean amount of precipitation and percent of sunshine.

Scatter Plots

1. The plot below shows the mean percent of sunshine during the year and the mean amount of precipitation in inches per year for the states in the United States.



a) Where on the graph are the states that have a large amount of precipitation and a small percent of sunshine?

Those states will be in the lower right-hand corner of the graph.

b) The state of New York is the point (46, 41.8). Describe how the mean amount of precipitation and percent of sunshine in New York compare to the rest of the United States.

New York has a little over 40 inches of precipitation per year and is sunny about 45% of the time. It has a smaller percent of sunshine over the year than most states and is about in the middle of the states in terms of the amount of precipitation, which goes from about 10 to 65 inches per year.

c) Write a few sentences describing the relationship between mean amount of precipitation and percent of sunshine.

There is a negative relationship, or the more precipitation, the less percent of sun. If you took away the three states at the top left with a large percent of sun and very little precipitation, the trend would not be as pronounced. The relationship is not linear.

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