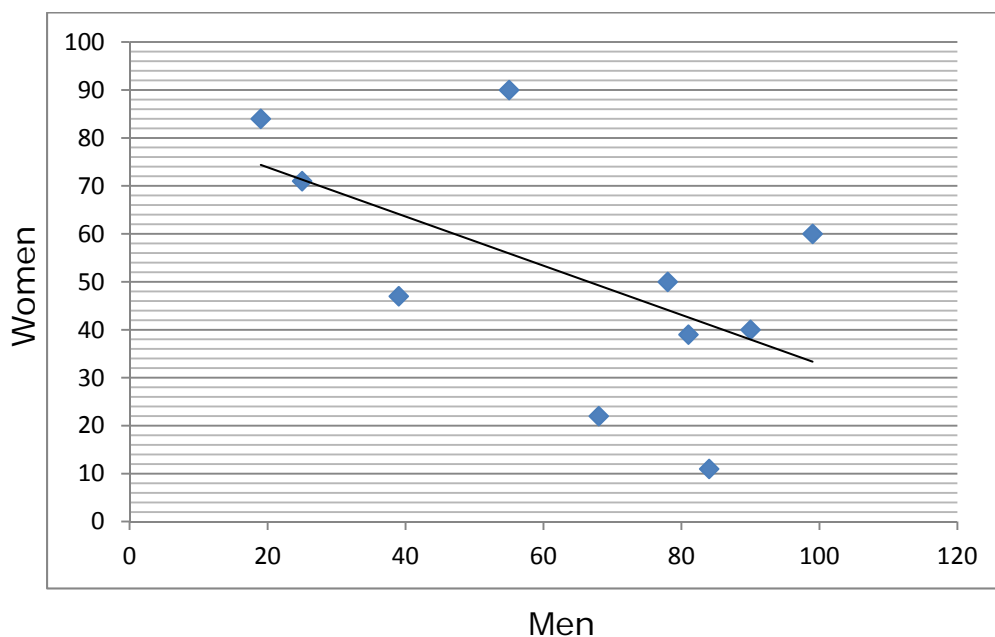## Scatter Plots for Bivariate Data - Guided Lesson Explanation

### Explanation#1

A scatter plot shows a positive trend if *y* tends to increase as *x* increases or y tends to decrease as the x decreases.

A scatter plot shows a negative trend if one value tends to increase and the other tends to decrease.

A scatter plot shows no trend if there is no obvious pattern.



When you place a line of best fit, the line shows that it is a negative slope. So it is a negative association.
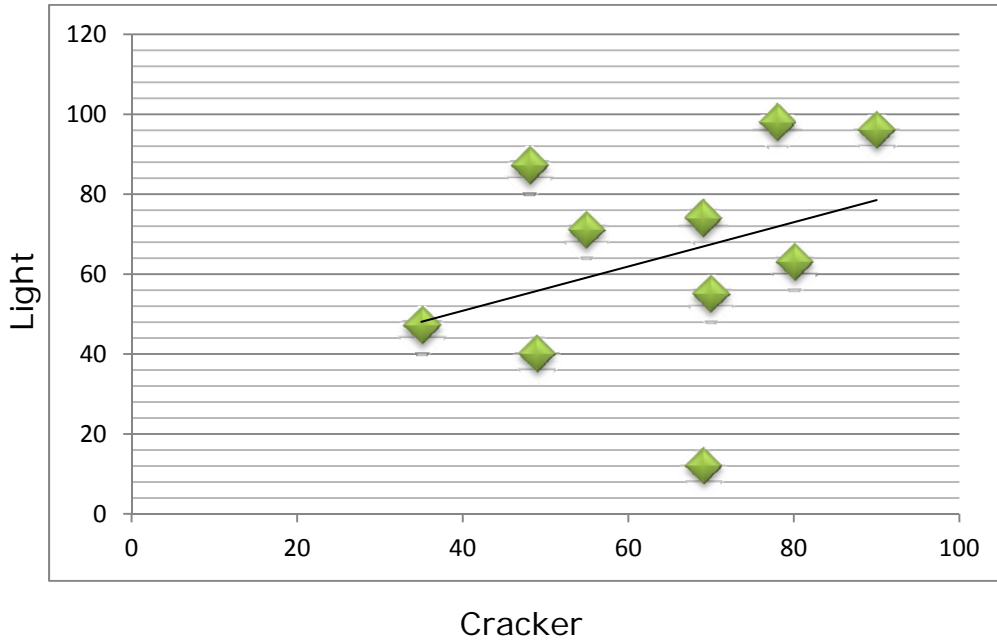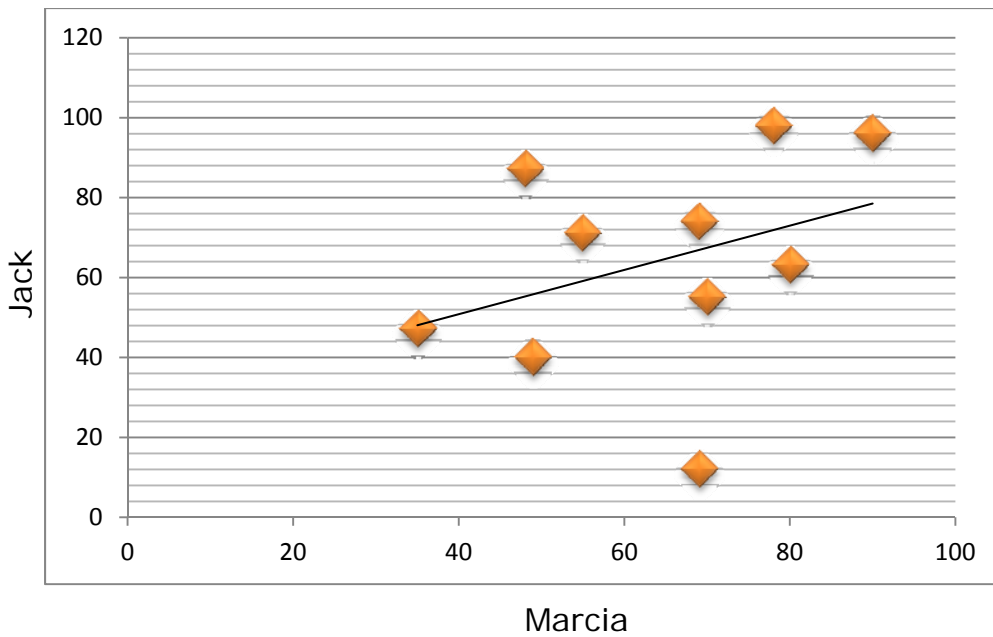
## Explanation#2

We plot the points again and attach a line of best fit.



The line shows that it is a positive slope. So it is a positive association.

## Explanation#3



Line he line shows that it is a positive slope. So it is a positive association.