

Mean Height = 169.2 cm
 Mean Arm Span = 168.6 cm

Drawing a vertical line at the mean height (169.2) and a horizontal line at the mean arms pan (168.6) divides the scatterplot into four quadrants illustrated below.

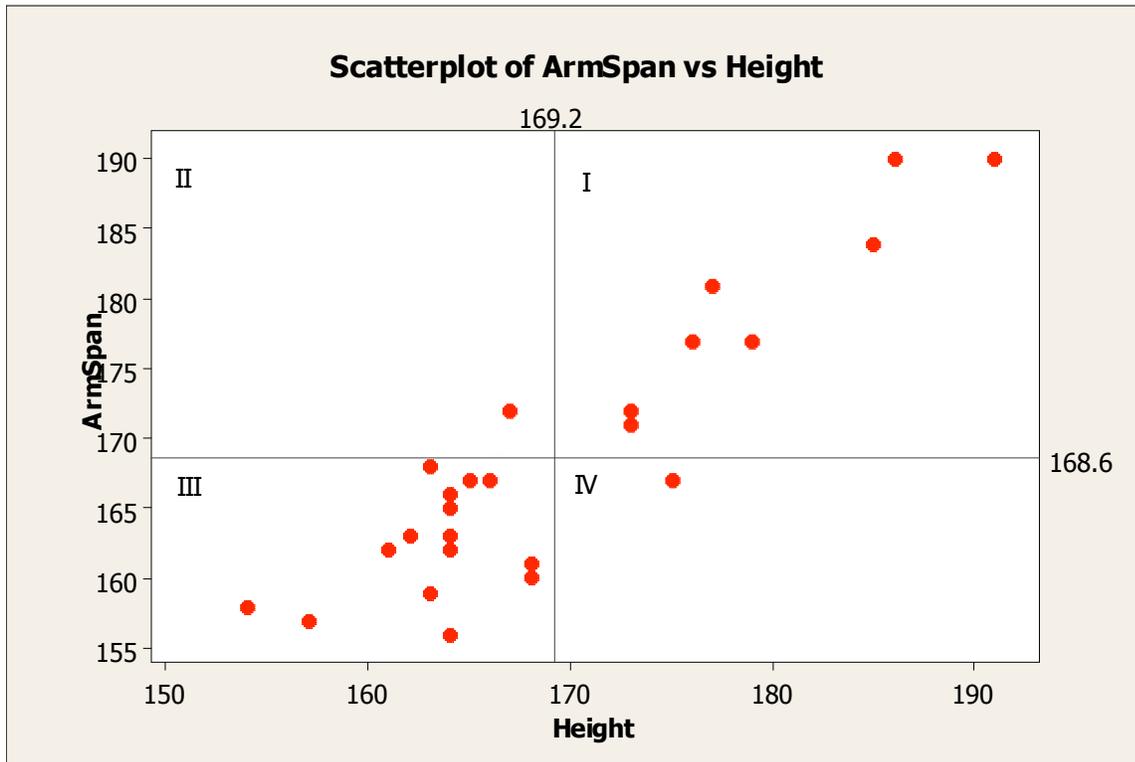


Figure 1b/Scatterplot with vertical line at mean height and horizontal line at mean arm span.

The quadrants are labeled counterclockwise as indicated in Figure 1b.

The QCR is defined as:

$$QCR = \frac{(n(Q1) + n(Q3)) - (n(Q2) + n(Q4))}{n},$$

where n is the number of points and n(Q) represents the number of points in each quadrant.

The QCR for these data is:

$$QCR = \frac{8 + 15 - 1 - 1}{25} = .84$$

The value of the QCR suggests that there is a fairly strong positive association between arm span and height.