Group Work #1

Describe the scatterplots.

Scatterplot for quality characteristic XXX
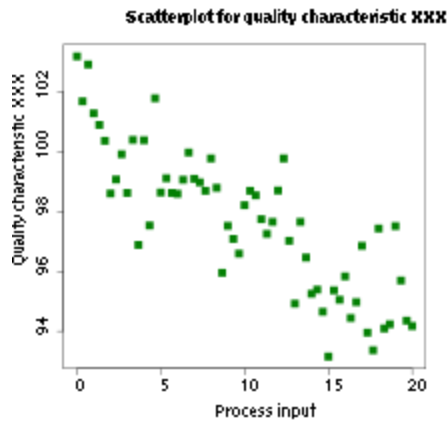
1.
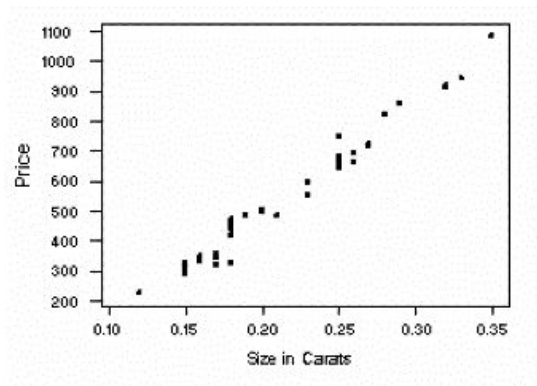
2.

Group Work #2

3. Chicken sandwiches are often advertised as a healthier alternative to beef because many are lower in fat. An organization interested in predicted fat content from the number of calories gathers information on 11 brands of fast food chicken sandwiches. Suppose the calorie content has a mean of 472.7 with a standard deviation of 144.2. The fat content of the sandwiches had a mean of 20.6 grams with a standard deviation of 9.8. A scatterplot showed the association to be reasonably linear, and the correlation between calories and fat content was 0.947. Find the equation of the regression line.

Group Work #3

Find the equation of the regression line. Then, interpret the slope and y intercept. Note: dependent variable is left hand span in inches. The independent variable is right hand span in inches.

Dependent variable: Left hand span

| Predictor	Coef	SECoef	T	P
RtSpan	0.9383	0.0225	41.67	0.000
Constant	1.4365	0.4792	3.05	0.003
s = 0.6386		R-sq = 90.2%	R-sq (adj) = 90.2%	

Group Work #4

1. Find the predicted left hand span of an individual with a right hand span of 8.5 inches.
2. Find the predicted left hand span of an individual with a right hand span of 9 inches.

Group Work #5

The graph below shows the relationship between Fat (g) and Calories of several pizza options.
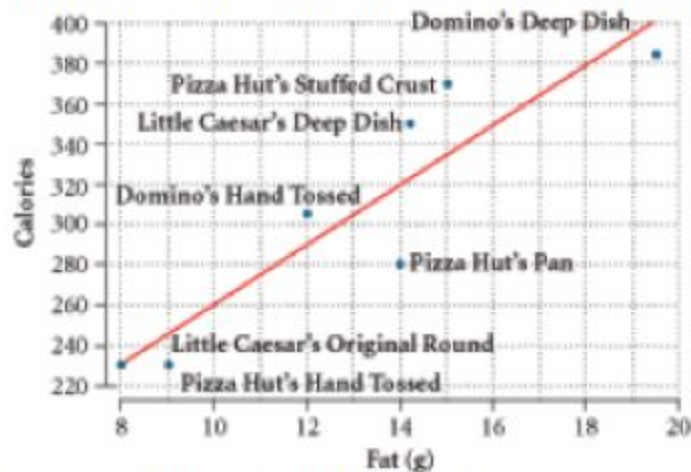
a) Estimate the residual for the Domino's Hand Tossed Pizza.
b) Which pizza has the largest residual?
c) What does it mean if a pizza has a residual of zero?
d) If a pizza has a residual of -10, what does that mean?