

## WHAT:

### Scatter Diagram or Scatter Plot

## WHY:

- Analyze the correlation between two variables
- Identify possible cause and effect relationships between factors in a process

## HOW:

1. Identify and name the two factors that you think may be related.
2. Complete a check sheet containing paired observations of the two factors being studied.
3. Plot one set of observations along the vertical axis.
4. Plot one set of observations along the horizontal axis.
5. Look for patterns in the plot.
  - A narrow band of points from lower left to upper right suggests a positive correlation.
  - A circular pattern suggests that no correlation or relationship exists.
  - A narrow band of points from upper left to lower right suggests a negative correlation.