

Pareto Diagram



Definition

Ranks data in categories from largest to smallest in terms of frequency of occurrence, cost, or time. Evaluates related measures of a problem or categories.

Utility

A Pareto Diagram is useful because it graphically represents the categories and their value, and helps an improvement team separate the "significant few" categories from the "trivial many" in order to focus their efforts on an area that will yield the most significant results. Any time data can be stratified (separated by type or category), a Pareto is useful. This includes project selection, cause analysis, and location identification.

Construction

1. Choose logical categories to stratify your data.
2. Specify the time period you will collect data.
3. Collect the data on to a frequency table.
4. Draw and scale the horizontal and vertical axes.
5. Draw and label the bars for each category.
6. Review the chart, using these data to focus the team's efforts.

Worksheet #30 *Pareto Diagram Template*

Activity Worksheet

Name: _____

Date: _____

Note: Make sure to rank-order from highest to lowest.

25			100%
24			
23			
22			
21			
20			
19			
18			75%
17			
16			
15			
14			
13			50%
12			
11			
10			
9			
8			
7			25%
6			
5			
4			
3			
2			
1			
0			0%

Kinds of angles