

Basic Principles of Using Data

- The purpose of collecting data is to make predictions
- Since all decisions are predictions, data is needed for decision making
- Measurements and measurement methods, must be defined and agreed upon
- The accuracy, repeatability and precision of measurements must be estimated
- Graphs provide more information than tables
- Data displayed in time sequence provide context
- All data has noise associated with it
- Improvement strategies are dependent on the type of variation encountered in the data.