

Types of the control charts

■ Variables control charts

- Variable data are measured on a continuous scale. For example: time, weight, distance or temperature can be measured in fractions or decimals.
- Applied to data with continuous distribution
- Some commonly used such control charts are – X-bar R chart, X-bar S chart , moving average–moving range chart (also called MA–MR chart) , CUSUM (cumulative sum chart) , EWMA (exponentially weighted moving average chart) , multivariate chart etc

■ Attributes control charts

- Attribute data are counted and cannot have fractions or decimals. Attribute data arise when you are determining only the presence or absence of something: success or failure, accept or reject, correct or not correct. For example, a report can have four errors or five errors, but it cannot have four and a half errors.
- Applied to data following discrete distribution
- Some commonly used such control charts are – c- chart, p- chart , np- chart , u- chart etc