

Practice

- Which statement is not a characteristic of a Measurement System?

Do we really need a measurement system?

- Calibration:

Matches the output of a measuring device to a known standard

- Only the Measurement System Variability form the Total Observed Variation distribution.

False

- Gage Bias is defined as:

The (directional) difference between the observed mean of measurements and a known standard

- Which is not a source of variation?

The mean drift of the measuring device.

Practice

- Accuracy is how close the agreement is between the mean of one or more measured results to that of a reference or standard value

True

- In a measurement system, what is Reproducibility precision?

The variation in measurement averages when the same gage is used by different operators

- Accuracy and Precision are the same thing.

False

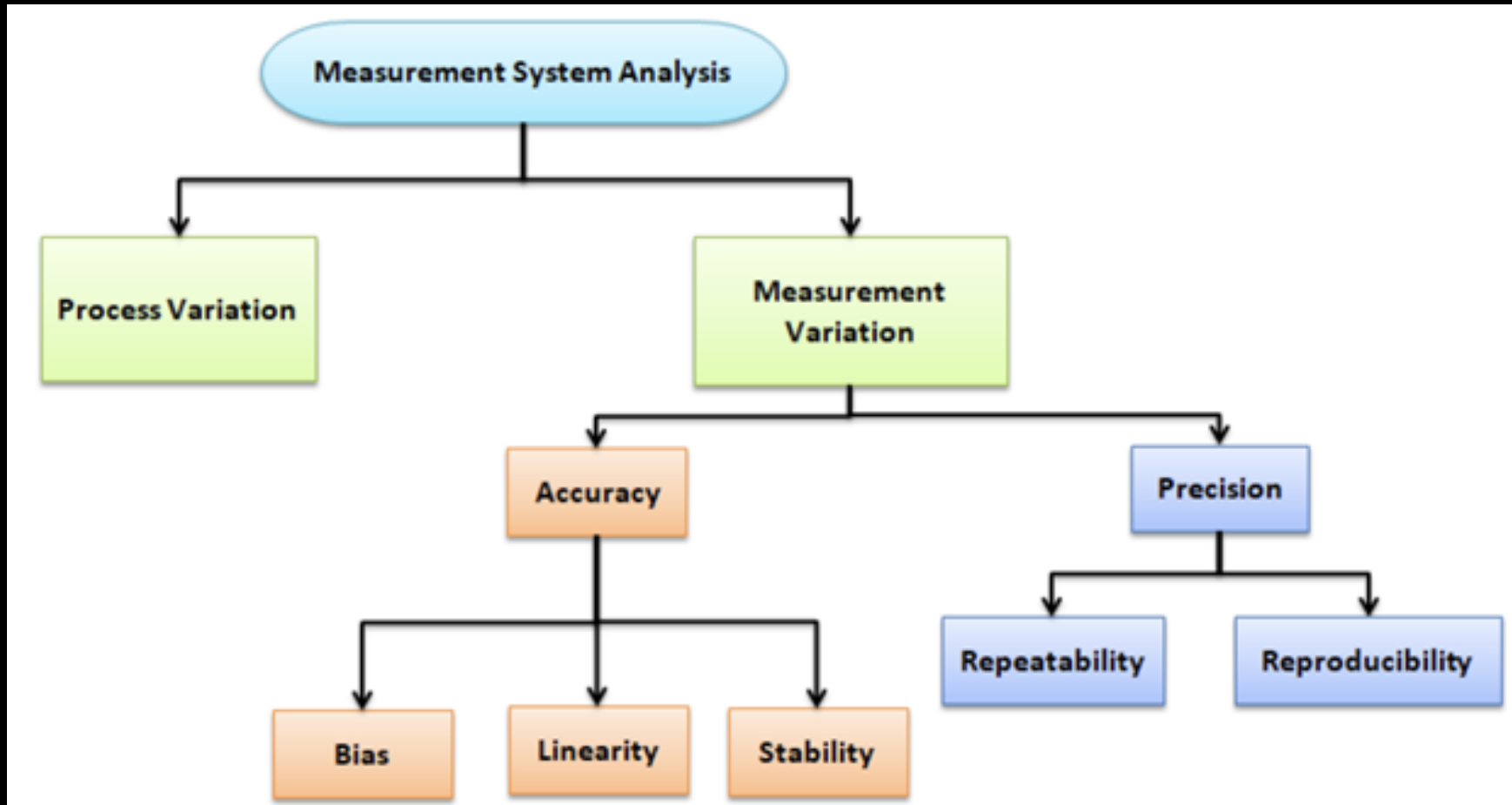
- What is the basis for Gage Repeatability and Reproducibility?

Variation in the observed measurements due to the operators and the equipment

- Linearity is the accuracy of measurements at various points along the measuring range of the equipment.

True

MSA



Reference :

- Measurement Systems Analysis (MSA), Ted Hessing, [6 σ STUDY GUIDE .com](https://sixsigmastudyguide.com/measurement-systems-analysis/).
<https://sixsigmastudyguide.com/measurement-systems-analysis/>