

Understanding Variation Course Outline

Lesson 1 | Introduction to Variation

- What variation is and why it's a problem in manufacturing.

Lesson 2 | Measuring Variation

- Using a histogram to measure the variation in a process.

Lesson 3 | Patterns of Variation

- Types of patterns of variation, what they tell you, and what to do about them.

Lesson 4 | Measures of Variation

- Statistical measures of variation: Mean, range, and standard deviation.

Lesson 5 | Normal Curve

- Properties of the normal curve and the 68, 95, 99.7 rule.

Lesson 6 | Stability

- The importance of a stable process in manufacturing.

Course Challenge

- An assessment of the learner's progress in the course.