

Resources

Further Learning

Chapter 1

Create Attribute Agreement Analysis Worksheet in Minitab

If you'd like a quick tutorial on **attribute agreement analysis**, I recommend the video [“Measurement System Analysis \(MSA\)”](#) in the LinkedIn Learning course [Six Sigma: Green Belt](#).

Attribute Agreement Analysis Using Minitab

If you're new to attribute agreement analysis or you need a refresher on the topic, watch the video [“Measurement Systems Evaluation”](#) in the course [Quality Management for Operational Excellence](#).

Chapter 2

SPC Variable Charts for Individuals

If you're new to SPC or you'd like a refresher, check out the video [“Statistical Process Control \(SPC\)”](#) in the course [Quality Management for Operational Excellence](#).

SPC Variable Charts for Subgroups

If you're new to SPC variable charts, or if you need a refresher, I recommend the video [“SPC Charts for Variables”](#) in the [Six Sigma: Green Belt](#) course.

Chapter 3

Normal Process Capability Using Minitab

Want more explanation? Watch the [“Process Capability”](#) video in the course [Quality Management for Operational Excellence](#).

Capability Analysis between and within Subgroups

If you are new to this topic or need a refresher, I recommend watching the [“Statistical Process Control Charts”](#) video in the [Six Sigma: Green Belt](#) course and the [“Process Control vs. Process Capability”](#) video in the [Quality Management for Operational Excellence](#) course.

Chapter 5

Design of Experiments: Analyze Screening Design

If you want or need a refresher on fractional factorial designs, I recommend watching the video [“Two-Level Fractional Factorial Experiments”](#) in the [Six Sigma: Black Belt](#) course.

Design of Experiments: Create Factorial Design and

Design of Experiments: Analyze Factorial Design

For more information on full-factorial experiments, watch the video [“Full-Factorial Experiments”](#) in the [Six Sigma: Black Belt](#) course.

Design of Experiments: Create Response Surface Design

For a good introduction to response surface methods, watch the first half of the video [“Response Surface Methods”](#) in the [Six Sigma: Black Belt](#) course.

A good website for **definitions of quality concepts and quality tools** is the American Society for Quality site at ASQ.org.

If you want more details and explanations on **Minitab commands and outputs**, an excellent resource is the Minitab site at support.minitab.com.

Data Sources

Thanks to the National Institute of Standards and Technology (NIST) for making the following example data available:

- Data for the Reactor example originally came from page 379 of Box, Hunter, and Hunter’s “Statistics for Experimenters” (1978).
- <https://www.itl.nist.gov/div898/education/datasets.htm#dex>
- <https://www.itl.nist.gov/div898/education/dex/boxreac2.dat>
- <https://www.itl.nist.gov/div898/education/datasets.htm#dex>
- <https://www.itl.nist.gov/div898/education/dex/boxsprin.dat>