

Graphical Process Analysis using Minitab

This one day course will provide a comprehensive introduction to Minitab's powerful capabilities, focusing on learning the software from scratch using a wide range of graphical and basic statistical tools. Upon completion, delegates will be able to run and interpret their own analyses with confidence. Detailed training materials and data files will be provided.

Who is the course for?

Anyone who requires a practical introduction to using Minitab to explore and display process data in the workplace. The course also serves as a primer for more advanced statistical modules.

Learning Outcomes

You will be able to use Minitab to quickly carry out graphical and basic statistical analysis of real process data in your workplace.

Course Contents

- Minitab overview
- Entering and importing data
- Project and worksheet files
- Data types in Minitab
- Manipulating worksheets and data
- The Minitab calculator
- Help functions
- Basic Statistics—turning data into information
- Histograms, Dot Plots, and Box Plots
- Scatter Plots and Matrix Plots
- Plotting Data versus Time
- Pareto and Pie Charts
- Overview of Statistical Process Control Charts
- Barcharts
- Review - case study exercise

The course is 100% hands-on from the outset so delegates will need to have at least the 30 day Minitab demo installed on their pc. The session will finish with a challenging exercise.

Catalyst offers Minitab statistical analysis training at introductory and advanced level in topics including Statistical Process Control, Capability Analysis (Cp/CpK), Hypothesis Testing, Regression Analysis, Measurement Systems Analysis, Design of Experiments.