



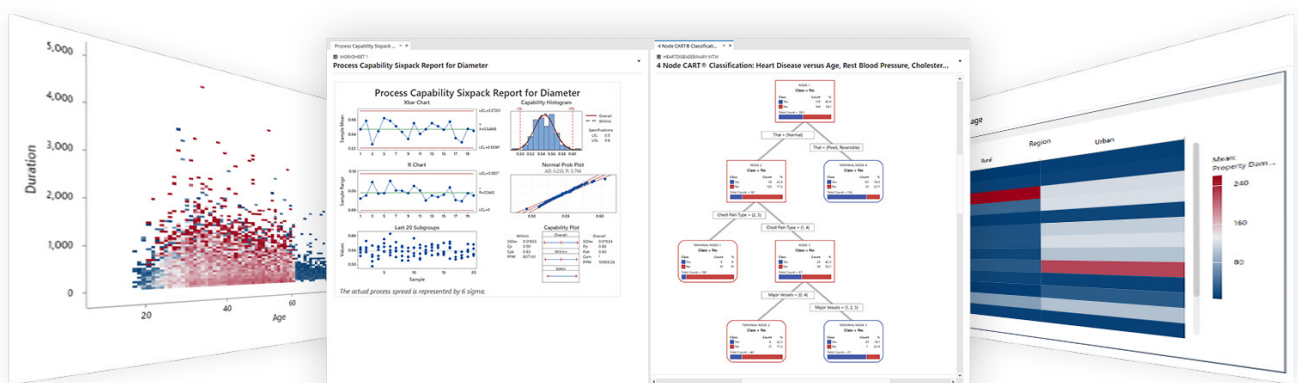
Unlock the Value of Your Data With Minitab Statistical Software



# Minitab Statistical Software can visualize, analyze, and harness the power of your data to solve your toughest challenges from anywhere on the cloud.

Minitab has the market's most trusted statistical tools on your desktop or the cloud to get the most out of your data, discover trends, find and predict patterns, uncover hidden relationships between variables, and create stunning visualizations to tackle even the most daunting challenges and opportunities.

With the power of statistics, industry-leading data analytics, and dynamic visualizations on your side, the possibilities are endless.



Download your free trial today!

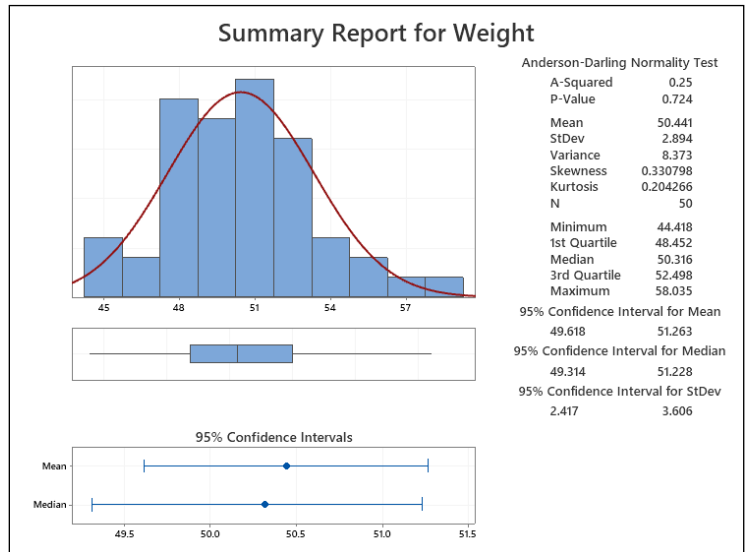
# Harness the Power of Statistics

Minitab empowers all parts of an organization regardless of analytical background or geographic location through our comprehensive set of statistical tools for exploring data, illustrating insights, and predicting future trends with lightning speed.



## Discover

Make better data-driven decisions at anytime from anywhere. Our trusted and robust data analysis tool has an easy-to-use and intuitive interface for both new and seasoned users alike.



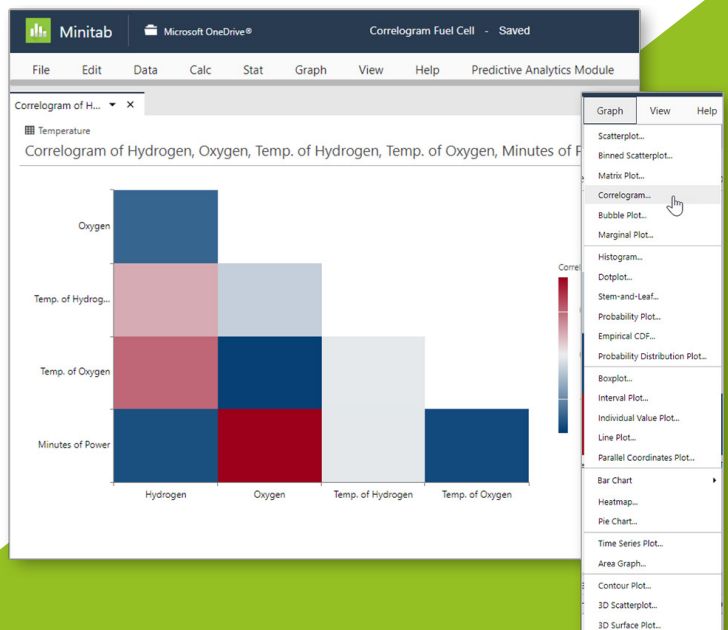
## Greater Opportunities and Decision-Making Capabilities

Project better outcomes, design better products, improve processes, and feel empowered by your data, regardless of your statistical background.

## Drive Business Excellence

Only Minitab offers a unique, integrated approach by providing software and services that drive business excellence from anywhere on the cloud.

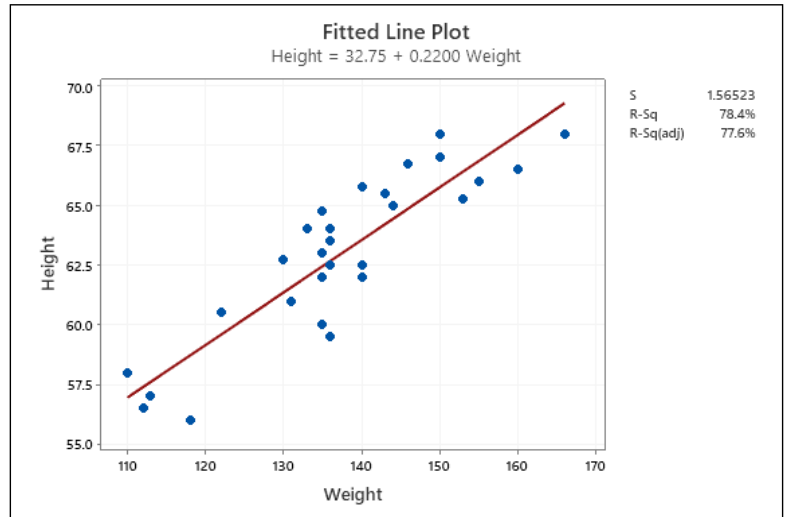
See our full list of features





# Predict

Business is ever evolving. Look further into your future and forecast trends to make better decisions, eliminate unnecessary costs, and stop mistakes before they happen.

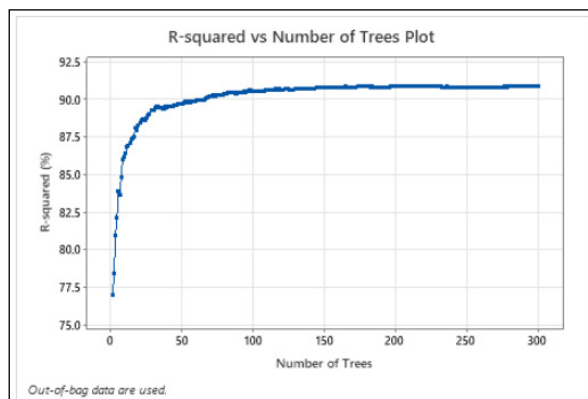
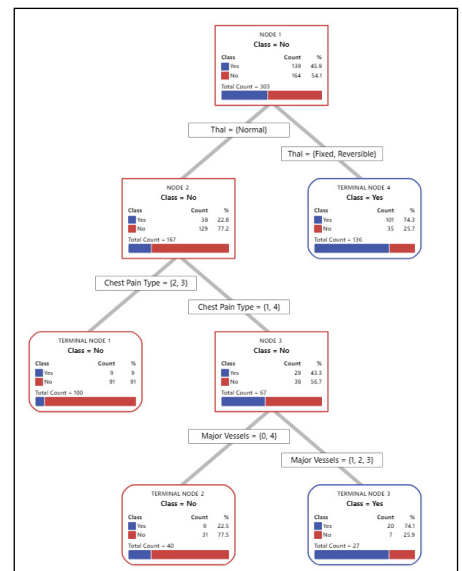


## Forecast Your Business

Expertly predict with classical methods or use our revolutionary machine learning algorithm, Classification and Regression Trees (CART®).

## Tap Into the Analytics Community

Our open-source integration allows Minitab to call R and Python scripts, providing maximum flexibility for data scientists.



## CART® (Classification & Regression Trees)

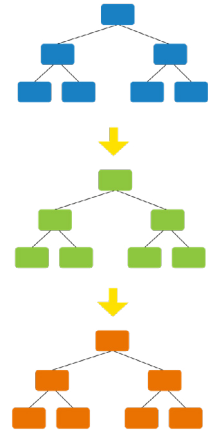
CART is a tree-based algorithm that works by looking at various ways to locally partition or split data into smaller segments based on differing values and combinations of predictors. CART selects the best performing splits, then repeats this process recursively until the optimal collection is found. The result is a decision tree represented by a series of binary splits leading to terminal nodes that can be described by a set of specific rules.

# Elevate Your Predictive Analytics

**Minitab's Predictive Analytics Module** can provide deeper insights in your data and help solve everyday challenges.

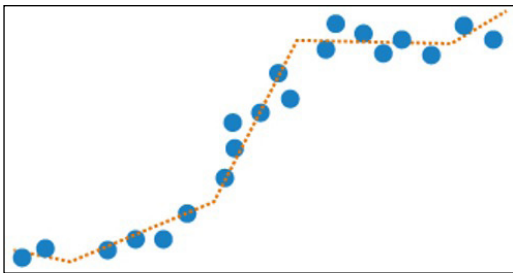
## TreeNet® (Gradient Boosting)

Our most flexible, award-winning and powerful machine learning tool is known for its superb and consistent predictive accuracy due to its iterative structure that corrects combined errors of the ensemble as it builds.



## Random Forests®

Based on a collection of CART Trees, this algorithm uses repetition, randomization, sampling, and ensemble learning while simultaneously bringing together independent trees to determine the overall prediction of the forest.



## MARS® (Multivariate adaptive Regressions-Splines)

The MARS methodology's approach to regression modeling effectively uncovers important data patterns and relationships that are difficult, if not impossible, for other regression methods to reveal. The MARS modeling engine builds its model by piecing together a series of straight lines with each allowed its own slope. This permits the MARS modeling engine to trace out any pattern detected in the data.

## Automated Machine Learning

Use this automated tool to easily confirm you're using the best predictive model to answer your question. Perfect for those new to predictive analytics who need recommendations and experts looking for a second opinion.

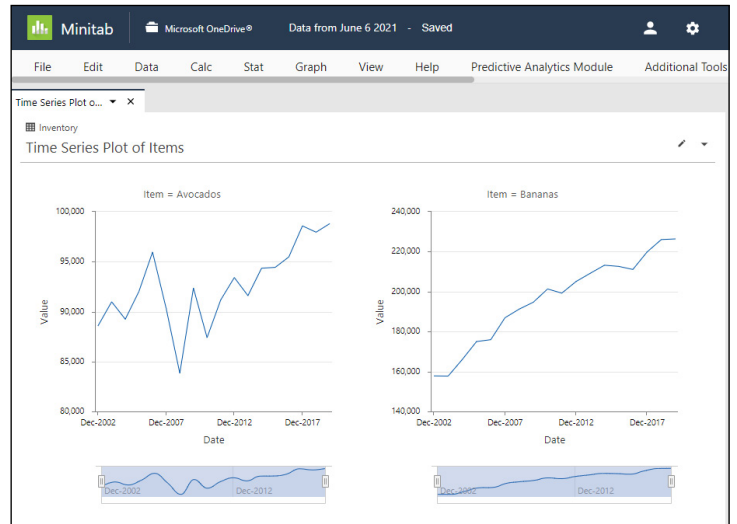
[Learn more about Minitab's Predictive Analytics Module](#)





# Achieve

Seeing is believing. Put your data to work with dynamic visualizations that accurately communicate and support your insights.

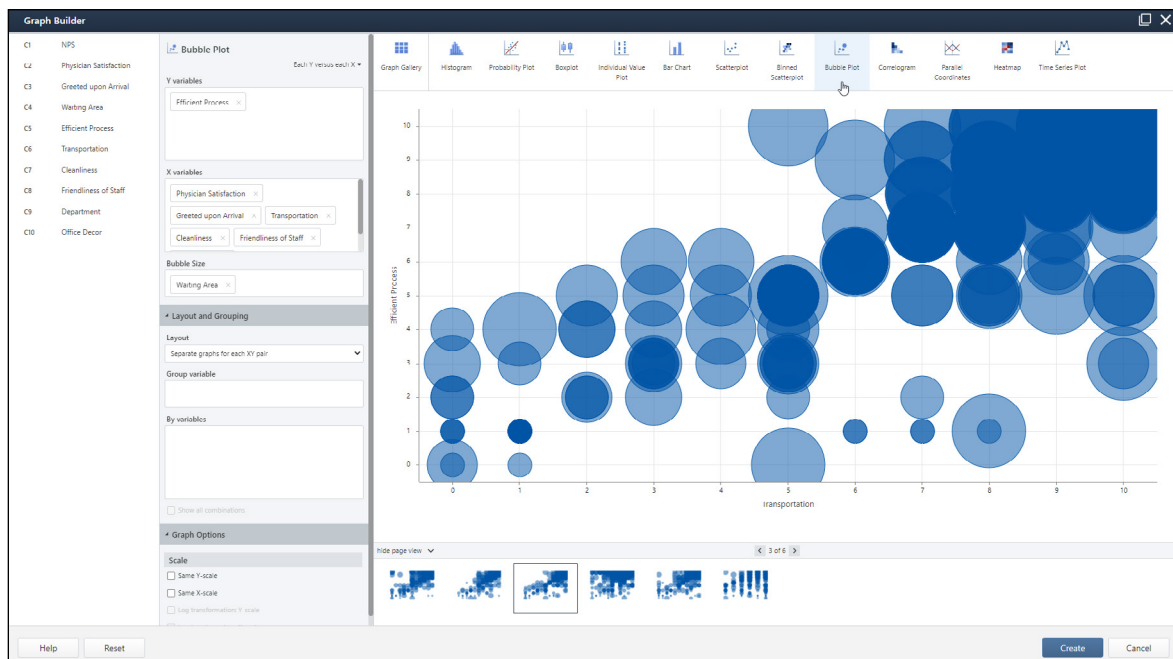


## Create the Right Visualizations

Communicate insights and achievements accurately with Graph Builder, our new interactive tool with an easy-to-browse gallery that creates multiple graph options using the same data without re-running your analysis. Seamlessly switch from bar chart to correlogram to bubble plot and more, so you can focus on choosing the best visual for your needs.

## Save Time Importing and Exporting

One-click import from Microsoft Excel and Access or send from Minitab Connect means you don't waste time gathering data before starting your analysis. Then export in one-click from our desktop app to Microsoft PowerPoint and Word, Minitab Engage, and Minitab Workspace.

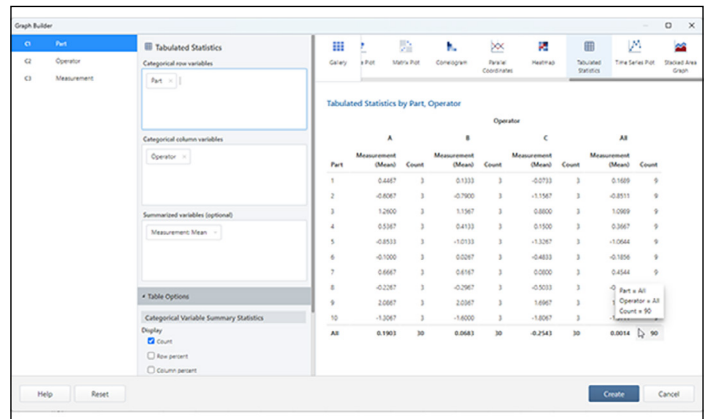


# What's New in Minitab Statistical Software

Minitab continues to invest in expanding capabilities to enable additional problem solving, increasing automation to make your data analysis faster and easier, and enriching visualizations to better see and interact with your data.

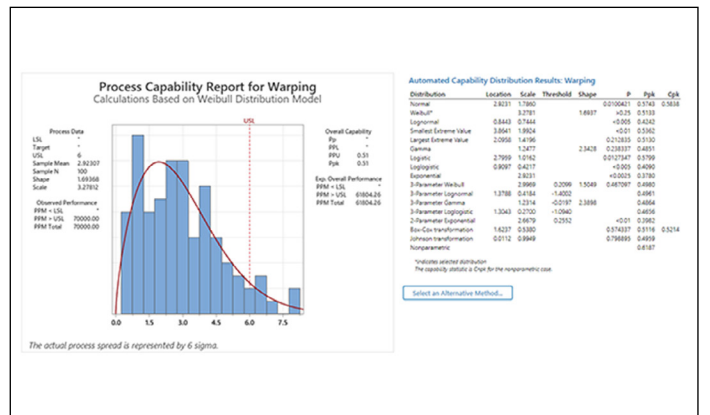
## Interactive Table Builder

Interactively explore relationships between variables and build meaningful descriptive statistics tables using the Graph Builder's drag-and-drop interface and live preview.



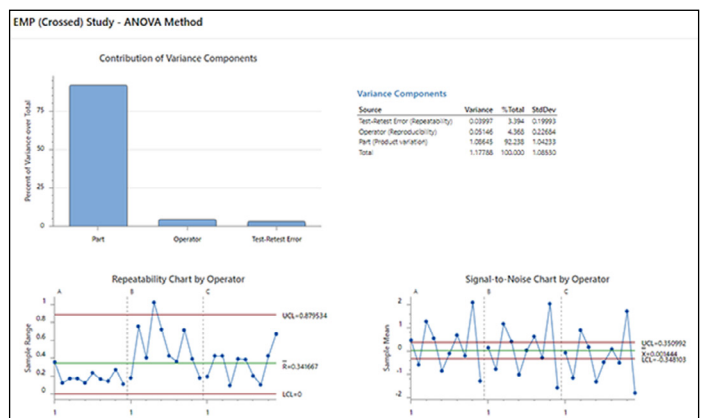
## Automated Capability Analysis

Determine the appropriateness of the normal distribution and get alternative distribution fits or transformations.



## EMP Method for Gage Studies

Assess the process variation in a measurement system with crossed designs using the preferred Wheeler's EMP criteria.



# Partner with Minitab on Your Analytics Journey

Leverage our comprehensive set of statistics for data analysis in your organization or role.

Visualizations and the right statistical methods enable data-driven decisions leading to better decisions and better business outcomes.



## For Quality

### Measurement Systems Analysis

- Gage Studies, AIAG and EMP Methods
- Attribute Agreement Analysis

### Capability Analysis

- Automated Capability Analysis
- Capability for Normal and Nonnormal Data
- Nonparametric Capability Analysis
- Capability Sixpack

### Control Charts

- Variable and Attribute Data
- Multivariate
- Time-Weighted
- Rare Events

### Acceptance Sampling

- Variable and Attribute Data
- OC Curves

### Tolerance Intervals

- Normal and Nonnormal Distributions
- Nonparametric
- Sample Size Estimation

### Quality Tools

- Pareto Charts
- Variability Charts



## For Reliability Engineering

### Distribution Analysis

- Censored Data (Right, Left, Interval)
- Weibull Analysis
- Parametric and Nonparametric Analysis
- Multiple Failure Modes

### Test Plans

- Demonstration Tests
- Estimation Test Plans

### Accelerated Life Testing

- Arrhenius, Power, Linear and Flexible Relationships
- Accelerated Life Test Plans

### Warranty Analysis

- Warranty Prediction
- Warranty Cost Estimation

### Repairable Systems Analysis

- MTBF Estimation
- Parametric and Nonparametric Growth Curves

### Reliability Modeling

- Cox Regression
- Regression with Life Data
- Probit Analysis





## For Product Development

### Design of Experiments

- Screening
- Full Factorial
- Fractional Factorial
- Response Surface
- Mixture
- Taguchi

### Power and Sample Size

- Interval Estimation
- Hypothesis Test
- Reliability

### Tolerance intervals

- Normal and Nonnormal Distributions
- Nonparametric
- Sample Size Estimation



## For Business Analytics

### Visualizations

- Table Builder
- Scatterplots, Correlogram
- Histogram, Bar Chart
- Heatmap
- Boxplot

### Statistical Modeling

- Automated Machine Learning
- Regression
- Logistic Regression
- Classification and Regression Trees (CART®)
- Random Forests®
- TreeNet®
- MARS®

### Forecasting

- Automated ARIMA Modeling
- Smoothing Methods
- Trend and Seasonal Models
- Time Series Plots



## For Process Validation

### Stage 1: Process Design

- Measurement Systems Analysis
- Hypothesis Testing
- Regression/ANOVA
- Baseline Process Capability

### Stage 3: Continued Process Validation

- Acceptance Sampling
- Control Charts

### Stage 2: Process Qualification

- Control Charts
- Automated Capability Analysis
- Tolerance Intervals

# Expert Guidance at Every Step

From beginner to advanced users, Minitab is by your side while you discover, predict, achieve, and transform through data analysis.

Start with our free resource **Minitab Quick Start**, a web-based e-learning guide to get you started with Minitab Statistical Software's basic functions and navigation. Learn how to use Minitab to analyze your data, gain insights from it, and find solutions to your most challenging business problems.



## Minitab Quick Start™

# Solutions Modules

Tackle challenges in your industry with Minitab's specialized modules. These guided data analysis tools are built to help measure, understand, and improve KPIs in specific industries, and are written in commonly-used terminology that you don't have to be a statistician to understand.

### Solutions Modules for Specific Capabilities

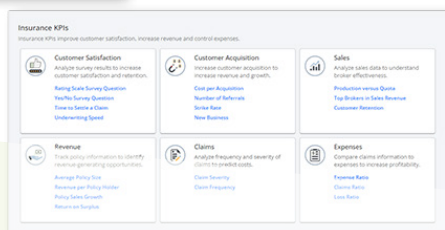
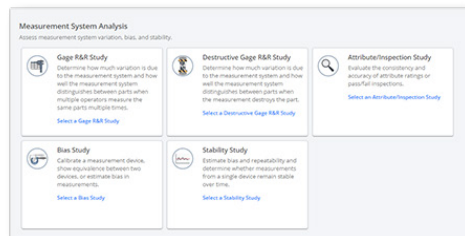
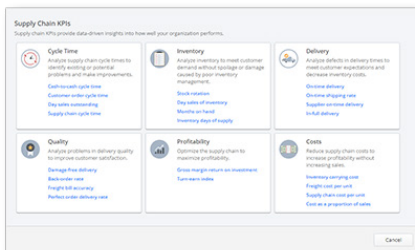
- Measurement System Analysis
- Reliability
- Sample Size

### Solutions Modules for Specific Business Functions

- Customer Contact Center
- Information Technology
- Research & Development
- Supply Chain

### Solutions Modules for Specific Industries

- Healthcare
- Insurance





## Ease of Use

“What I really appreciate about the usability [of Minitab] is that you don’t have to be an expert in stats to be able to use it and to be able to get value from it.”

Quality Manager, Manufacturing Organization



## Visualization

“Minitab made that information so clear not only through the statistical output that you get, but also through all of the graphical output that you can do and that you cannot do in some of the other software programs.”

Six Sigma Master Black Belt, Top Automotive Company



## Self-Help & Training

“I owe a lot of credit to where I’m at today from the training I got at Minitab. From the capabilities it has given me – it just ignited the passion in me to apply statistics to manufacturing.”

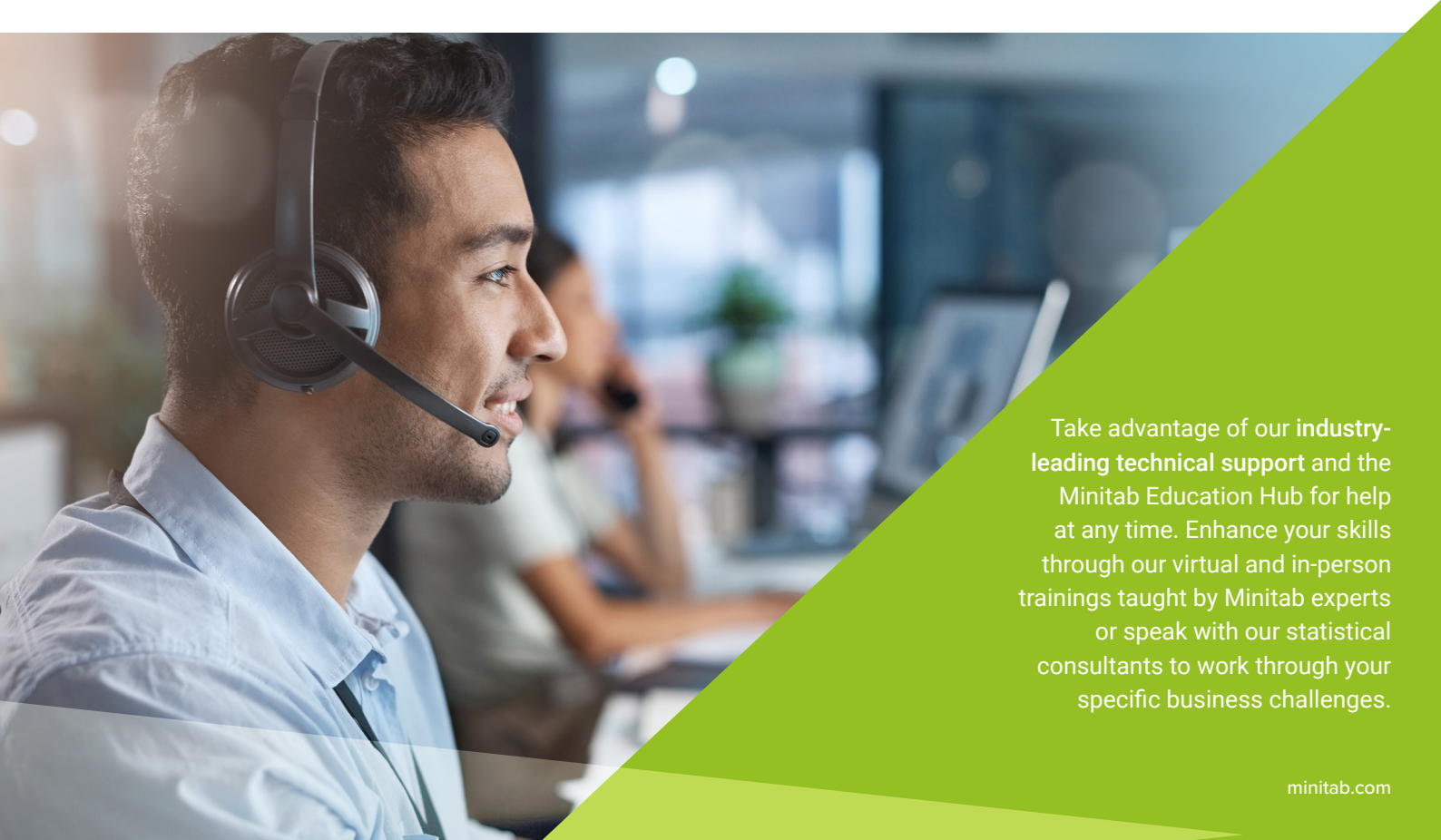
Quality Manager, Medical Device Organization



## Customer Support

“There’s actually people on the other end of the phone that can help you get there. That’s awesome.”

Continuous Improvement Manager, Manufacturing Organization



Take advantage of our industry-leading technical support and the Minitab Education Hub for help at any time. Enhance your skills through our virtual and in-person trainings taught by Minitab experts or speak with our statistical consultants to work through your specific business challenges.



Powerful statistical software everyone can use

**Talk to Minitab:**

[minitab.com/talk-to-minitab/](https://minitab.com/talk-to-minitab/)



Your local Minitab representative

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