



Powerful statistical software everyone can use



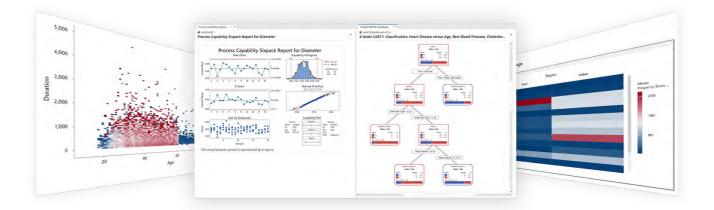


# 💵 Minitab®

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.



## 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**

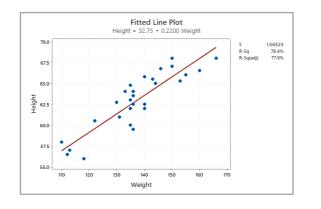
Only Minitab offers a unique, integrated approach by providing software and services that drive business excellence from anywhere on the cloud.





# 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.

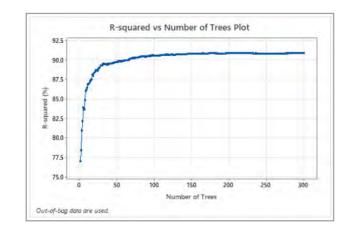


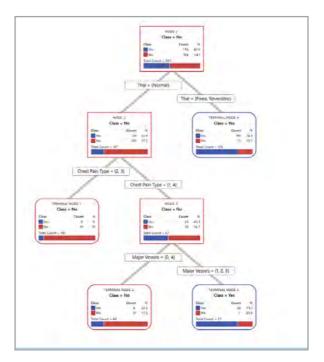
#### **Forecast Your Business**

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.



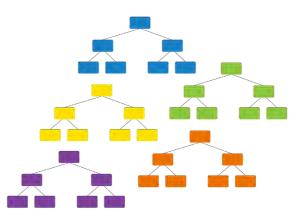


# Boost Your Predictive Analytics Further

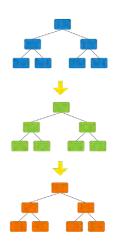
Solve more challenging problems, tap into deeper insights, and visualize complex interactions with Minitab's Predictive Analytics Module. Included is our proprietary, best-in-class, treebased machine learning algorithms, TreeNet and Random Forests.

#### TreeNet<sup>®</sup> (Gradient Boosting)

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



Access the advanced predictive analytics power boost you need that easily complements your Minitab Statistical Software subscription.



#### **Random Forests®**

Based on a collection of CART Trees, Random Forests leverages repetition, randomization, sampling, and ensemble learning in one convenient place that brings together independent trees and determines the overall prediction of the forest.

#### 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.

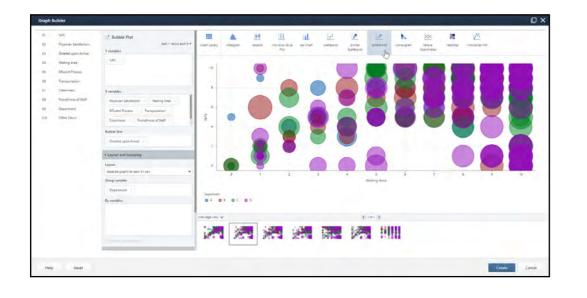
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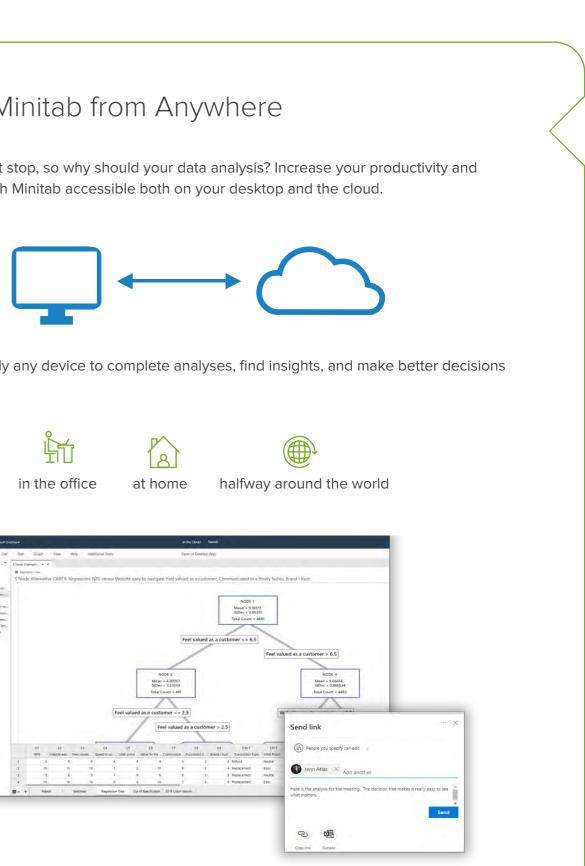
#### **Create the Right Visualizations**

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

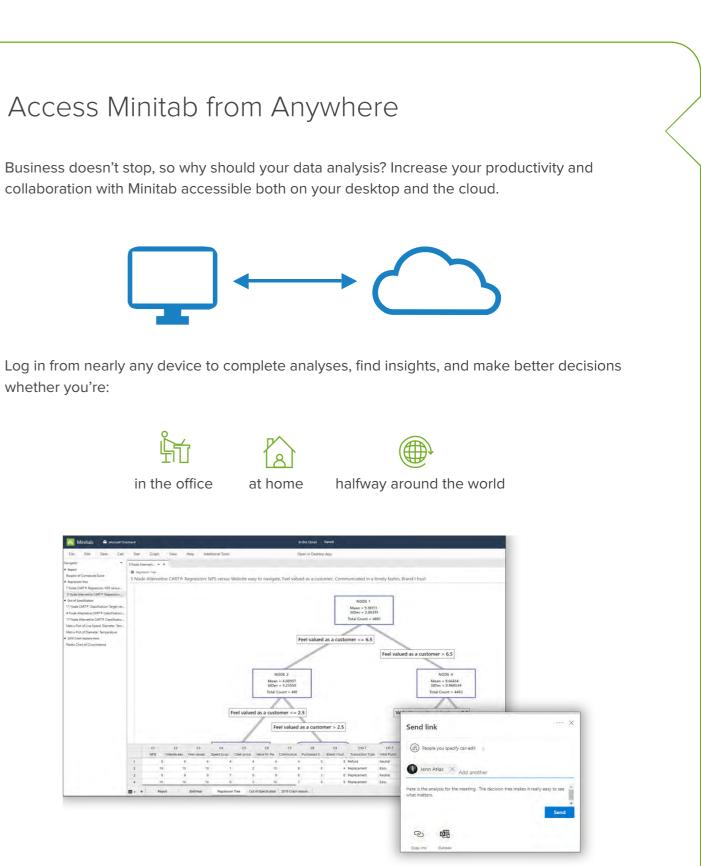
One-click import from Microsoft Excel and Access or send from Minitab Connect means you don't waste time gathering data before starting your analysis. Then export in one-click from our desktop app to Microsoft PowerPoint and Word, Minitab Engage, and Minitab Workspace.





whether you're:





# 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.



#### **Measurement System Analysis**

- Gage studies
- Attribute agreement analysis

#### **Capability Analysis**

- Capability for Normal and Nonnormal data
- Capability Sixpack

#### **Control Charts**

- Variable, attribute
- Multivariate
- Time weighted
- Rare event charts
- Acceptance Sampling
- **Tolerance Intervals**

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#### For Reliability Engineering

#### **Distribution Analysis**

- Arbitrary censoring (left, right or interval censoring)
- Weibull analysis
- Censored data

#### Warranty Analysis

**Repairable Systems Analysis** 

#### **Test Plans**

- Demonstration
- Estimation
- Accelerated Life Test

Regression with Life Data

**Probit Analysis** 

# For Product Development

#### Design of Experiments (DOE)

- Screening designs
- Full factorial
  - Fractional factorial
  - Response surface

• No dis

Mixture



Statistical Modeling	Chi-Squa	
Statistical Modeling	om oque	
Regression	Correlati	
Non-linear regression	Visualiza	
Multivariate models	<b>C</b>	
Cluster analysis	<ul> <li>Scatt</li> </ul>	
Classification and Regression Trees	• Heati	
(CART®)	• Boxp	
Random Forests <sup>®</sup>	Time Ser	
• TreeNet <sup>®</sup>	• ARIM	

Multivariate Methods



#### For Process Validation

### Stage 1: Process Design

- Measurement systems analysis
- Hypothesis testing
- Regression / ANOVA
- Process capability

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- Stage 2: Process Qualification
- Control charts

#### Taguchi

- Power and Sample Size
- **Tolerance intervals**
- Normal and non-normal
  - distributions

#### uare Test for Association

- tion
- zations
- tterplots
- atmaps
- plots
- eries Analytics
- MA modeling
- Time series / forecasting
- Capability analysis
- Tolerance Intervals

#### Stage 3: Continued Process Validation

- Measurement systems analysis
  - Acceptance sampling
- Control charts

# 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 to introduce you to Minitab's basic functions, like importing data, and general navigation to help get you started.

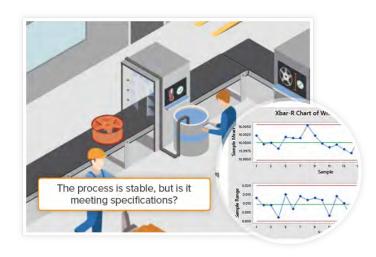


# Minitab Quick Start

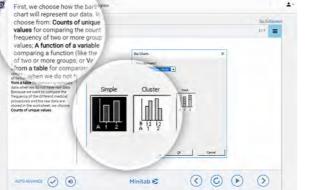
Use our e-learning course Quality Trainer\* with animated lessons, quizzes, and hands-on exercises to help you easily learn, understand, and practice statistics.



\*Quality Trainer is available separately in the Education Hub.









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



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

Take advantage of our industry-leading technical support 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.

# Visualization

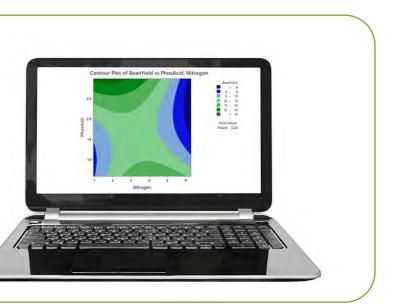
Minitab made that information so clear not only through the statistical output that you get, but also through all of the graphical output that you can do and that you cannot do in some of the other software programs.

Six Sigma Master Black Belt, Top Automotive Company



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

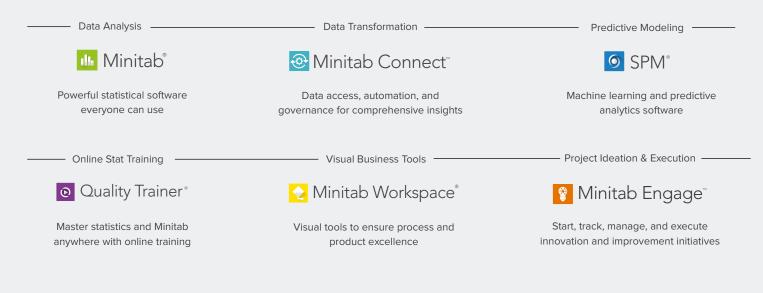




Powerful statistical software everyone can use

#### Download your free 30-day trial today:

**Get Started** 



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