



**Everyone in an organization, regardless of statistical background or geographic location, is empowered when they have access to easy-to-use analysis tools.**

Minitab Statistical Software delivers visualizations, statistical analysis, predictive and improvement analytics to enable data-driven decision making.



# What Minitab Statistical Software Customers are saying



## Ease of Use

What I really appreciate about the usability 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*



## Visualizations to Illustrate Findings

The graphical outputs are amazing. I am able to constantly wow executive leadership with Minitab's control charts and other diagrams.\*

*Manager, Business Ops Improvement,  
Hospital & Health Care Organization*



## Tools for Data Analysis Across An Organization

The functionality of Minitab is easy to use and adds value across the organization, from R&D experiments to Process Quality Control.\*

*Research Assistant, Educational Management*



## Intuitive GUI

Even if you don't have too much knowledge in statistics, you can get started using it very quickly. First time users won't have a hard navigating the program since its menus are well organized and clear and they allow you to find what you're looking for very quickly.\*

*Logistics Engineer, Retail Organization*



## Reliable 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*

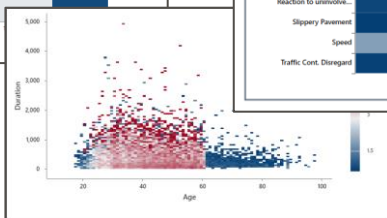
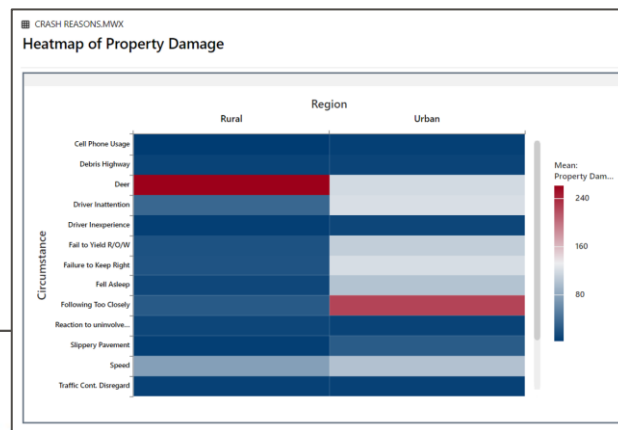
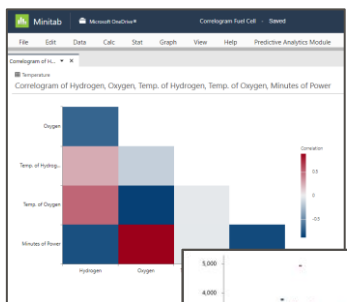
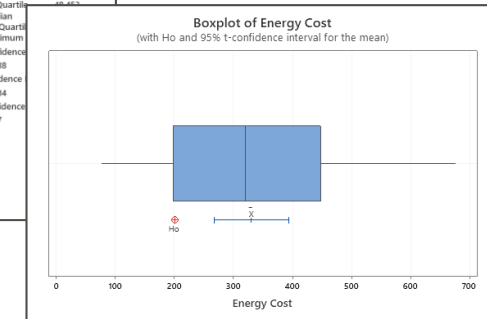
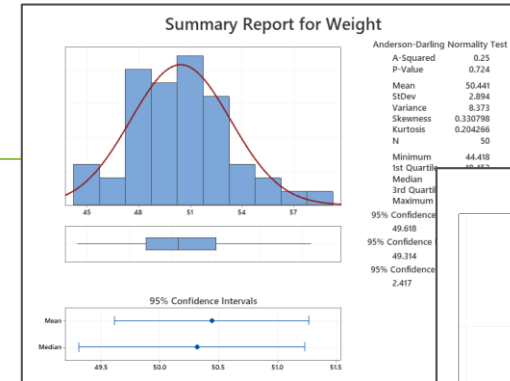
[See all Minitab Statistical Software Capterra reviews here.](#)

# Find trends and patterns in your data & discover hidden relationships



## Descriptive and inferential statistics

Easily identify distributions, correlations, outliers and missing values.



## Visualizations

Illustrate your findings in scatterplots, bubble plots, boxplots, heatmaps, histograms and more.

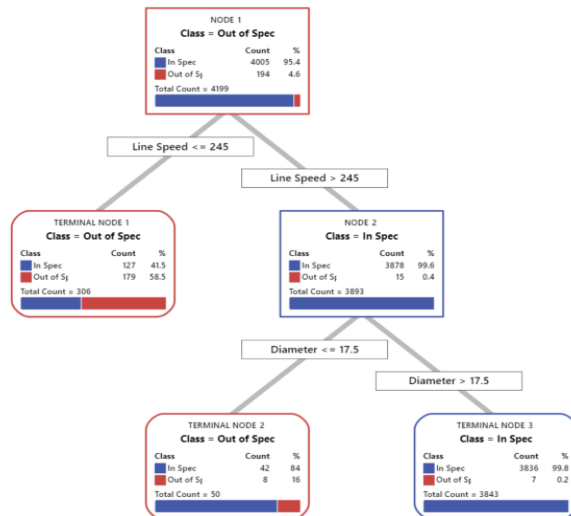
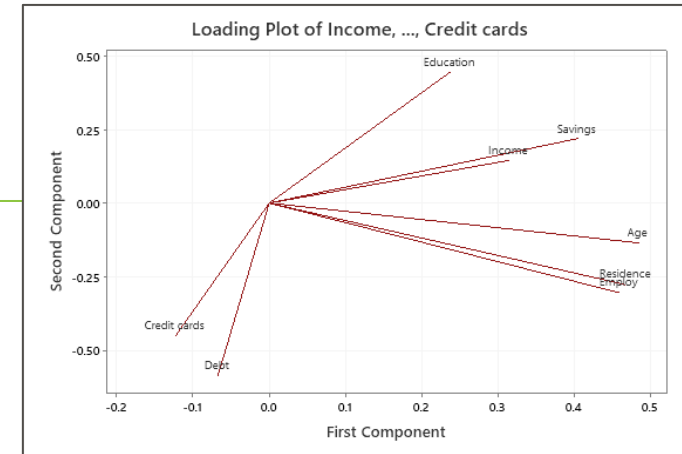


# Build predictive models that drive future decisions



## Multivariate, Classification/Segmentation

Reduce the number of variables with factor analysis and principal component analysis.



## Predictive Modeling

Logistic regression, Poisson regression, time series and forecasting, CART® Classification and CART® Regression

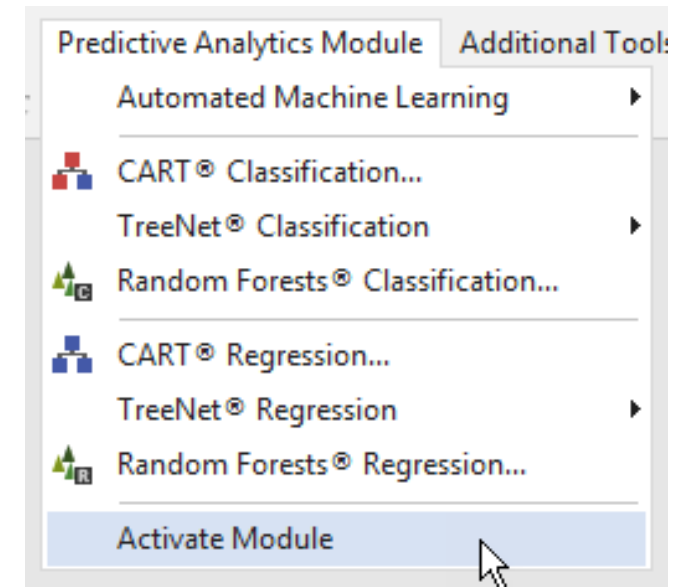
# Minitab's Predictive Analytics Module

## Boost your predictive analytics further with Minitab's Predictive Analytics Module:

- **TreeNet®** (Stochastic Gradient Boosting)
- **Random Forests®**
- **Automated Machine Learning (AutoML)**

Our proprietary, best-in-class, tree-based machine learning algorithms have the power to **provide deeper insights**. Quickly understand the key drivers of a process to help solve your problem!

Not sure which algorithm to use? **Automated Machine Learning** can easily confirm you're using the best predictive model to answer your question.

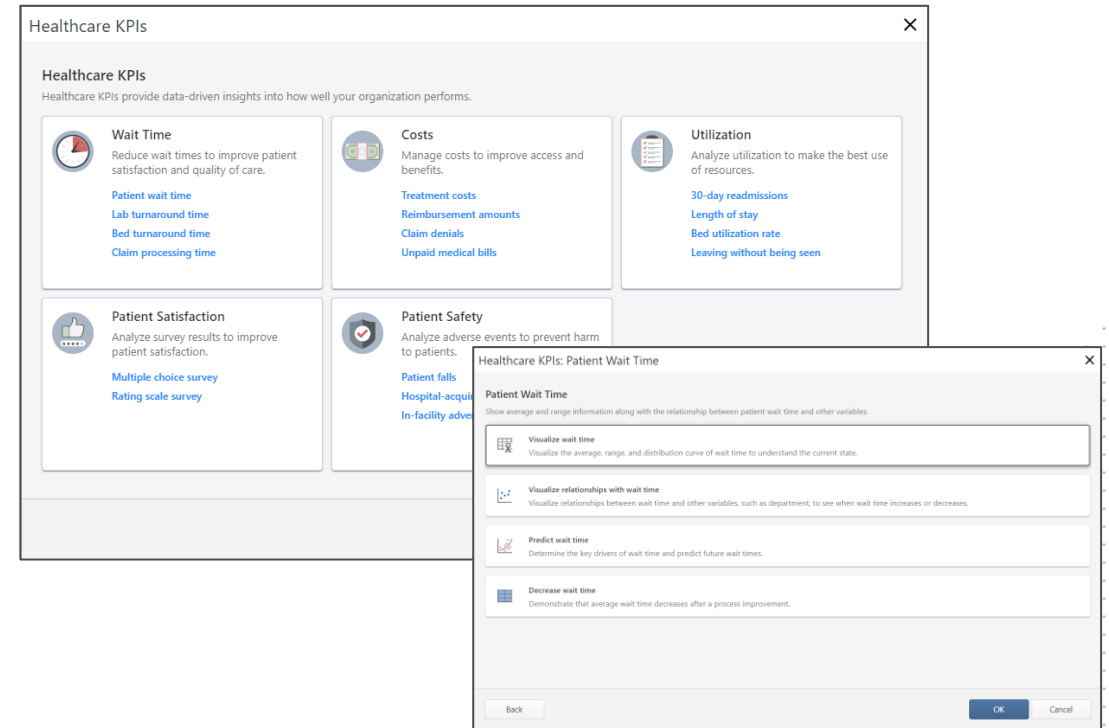


# Minitab's Healthcare Module

**Leverage the power of data analysis to tackle challenges in healthcare.**

Our Healthcare Module includes **direct prompts, statistical guidance, and support pages specifically written for healthcare professionals** in familiar terminology. Stop worrying about which analysis to use and focus on improving key performance indicators (KPIs) like:

- Wait time
- Costs
- Utilization
- Patient safety
- Patient satisfaction



The screenshot displays the Minitab Healthcare KPIs dashboard. The main window, titled "Healthcare KPIs", provides data-driven insights into organizational performance. It features five key performance indicator (KPI) cards:

- Wait Time:** Reduce wait times to improve patient satisfaction and quality of care. Sub-areas include Patient wait time, Lab turnaround time, Bed turnaround time, and Claim processing time.
- Costs:** Manage costs to improve access and benefits. Sub-areas include Treatment costs, Reimbursement amounts, Claim denials, and Unpaid medical bills.
- Utilization:** Analyze utilization to make the best use of resources. Sub-areas include 30-day readmissions, Length of stay, Bed utilization rate, and Leaving without being seen.
- Patient Satisfaction:** Analyze survey results to improve patient satisfaction. Sub-areas include Multiple choice survey and Rating scale survey.
- Patient Safety:** Analyze adverse events to prevent harm to patients. Sub-areas include Patient falls, Hospital-acquired conditions, and In-facility adverse events.

An inset window titled "Healthcare KPIs: Patient Wait Time" provides a detailed view of the Patient Wait Time analysis. It includes the following sections:

- Visualize wait time:** Show average and range information along with the relationship between patient wait time and other variables. Visualize the average, range, and distribution curve of wait time to understand the current state.
- Visualize relationships with wait time:** Visualize relationships between wait time and other variables, such as department, to see when wait time increases or decreases.
- Predict wait time:** Determine the key drivers of wait time and predict future wait times.
- Decrease wait time:** Demonstrate that average wait time decreases after a process improvement.

The inset window also features "Back", "OK", and "Cancel" buttons.

Now also available in French, German, Japanese, Korean, Portuguese, Spanish, and Simplified Chinese.

# Tools for Data-driven Decisions



## Quality

### Measurement System Analysis

- Gage studies
- Attribute agreement analysis

### Control Charts

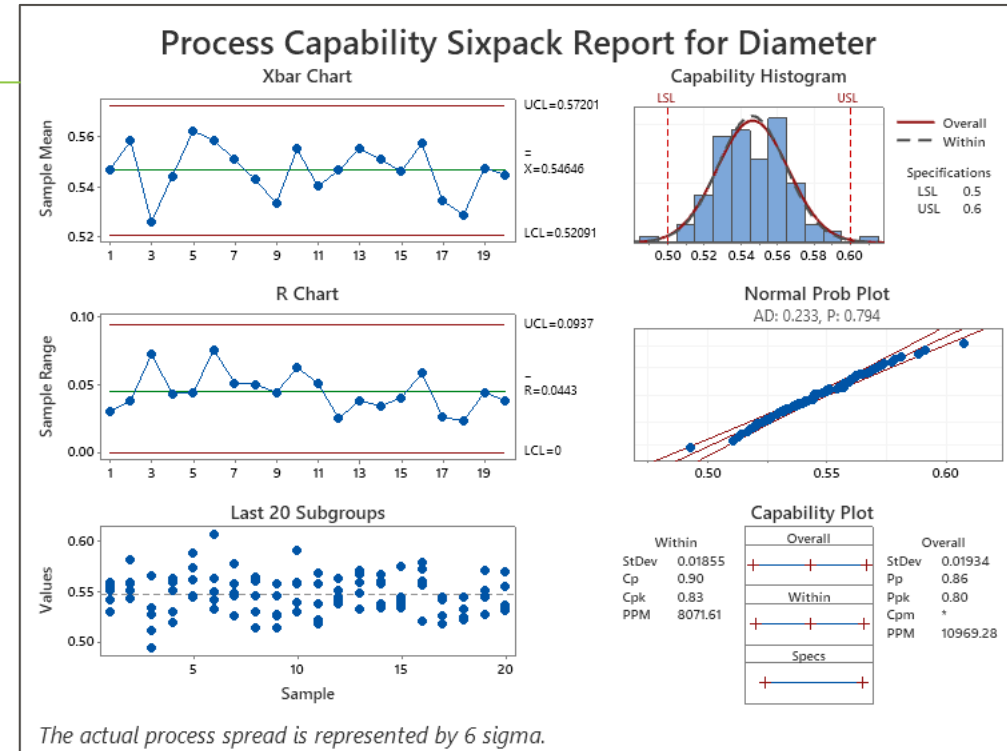
- Variable, attribute
- Multivariate
- Time weighted
- Rare event charts

### Capability Analysis

- Capability Sixpack®

### Acceptance Sampling

### Tolerance Intervals



# Tools for Data-Driven Decisions



## Reliability Engineering

### Distribution Analysis

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

### Test Plans

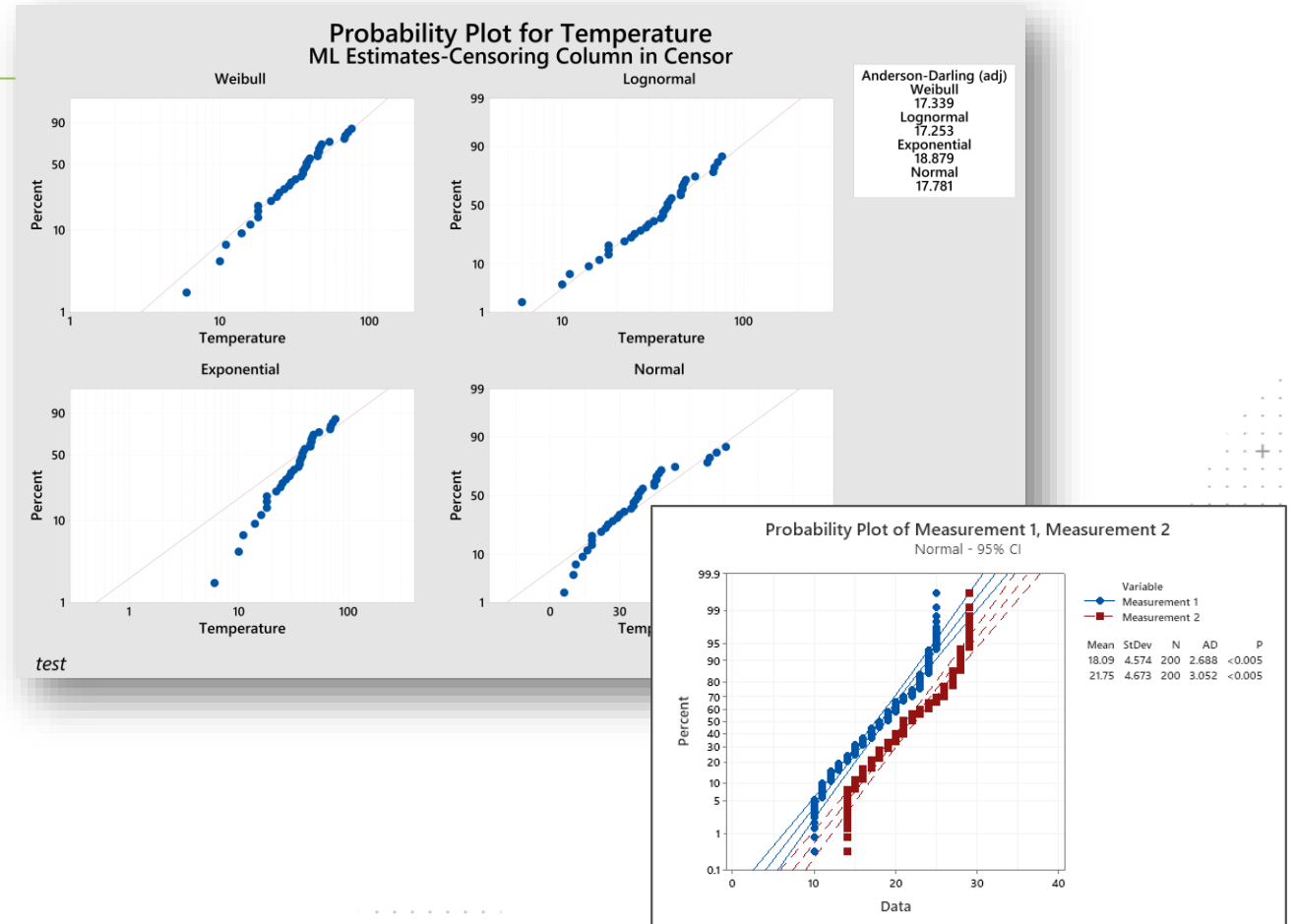
- Demonstration
- Estimation (sample size for distribution analysis)
- Accelerated Life Test

### Warranty Analysis

### Repairable Systems Analysis

### Regression with Life Data

### Probit Analysis



# Tools for Data-driven Decisions



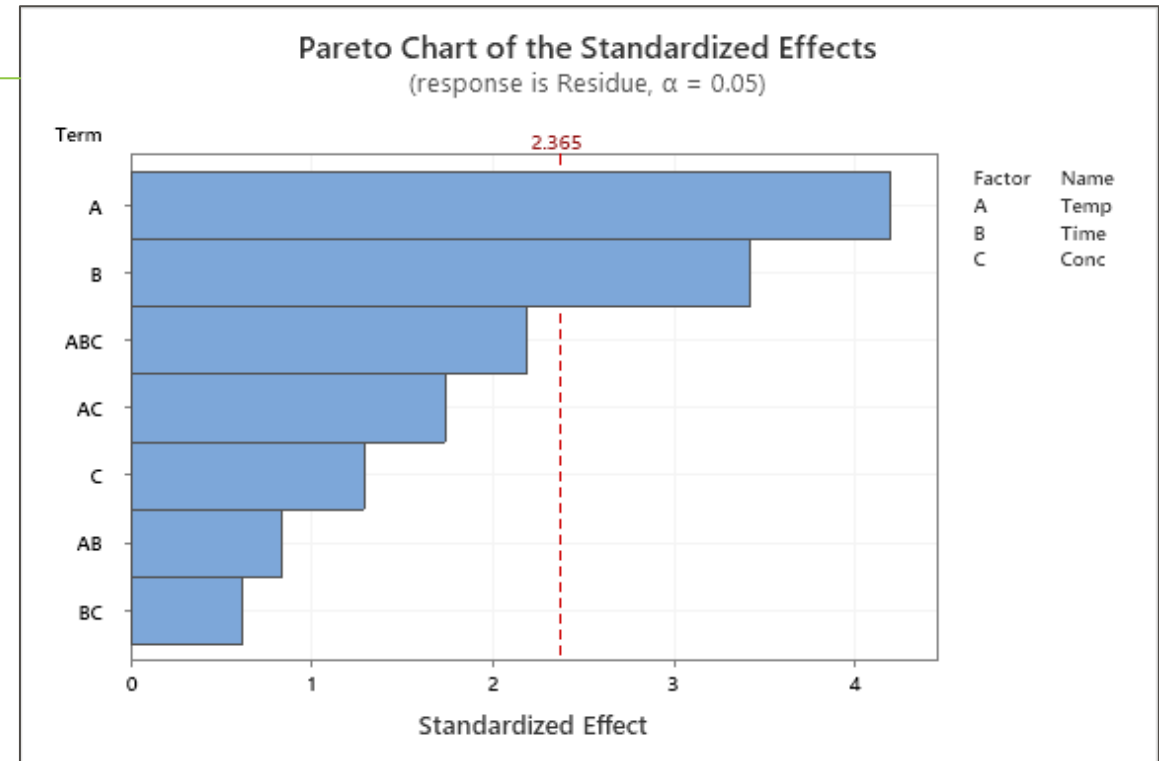
## Product Development

### Design of Experiments (DOE)

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

### Power and Sample Size

- Tolerance intervals
- Normal and non-normal distributions



# Tools for Data-driven Decisions



## Business Analytics

### Correlation

### Statistical Modeling

- Regression
- Non-linear regression
- Multivariate models
- Cluster analysis
- Classification and Regression Trees (CART®)

### Time Series Analytics

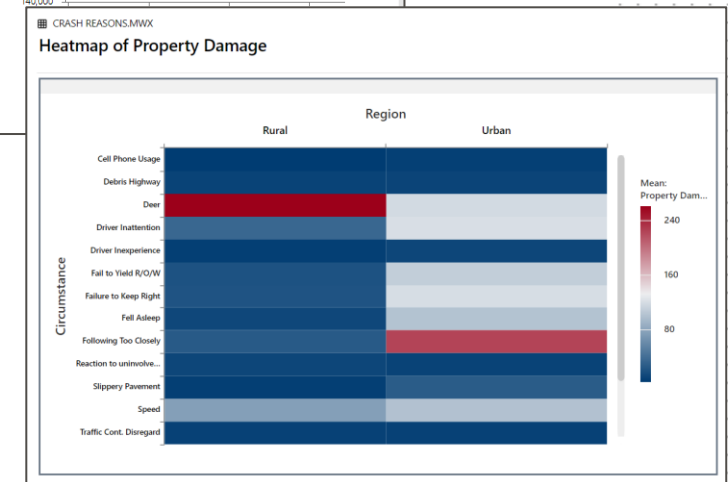
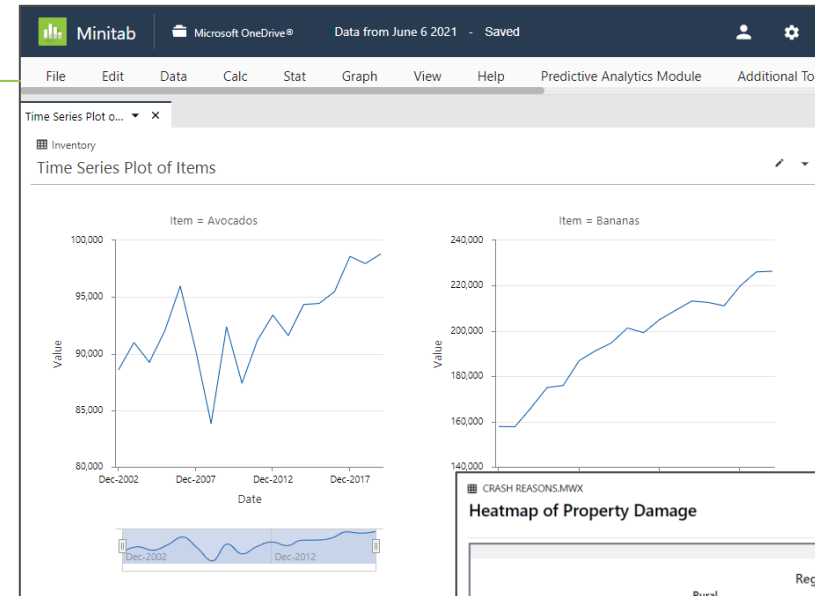
- ARIMA modeling
- Time series / forecasting

### Multivariate methods

### Chi-Square Test for Association

### Visualizations

- Scatterplots
- Heatmaps
- Boxplots



# Tools for Data-driven Decisions



## Process Validation

### Stage 1: Process Design

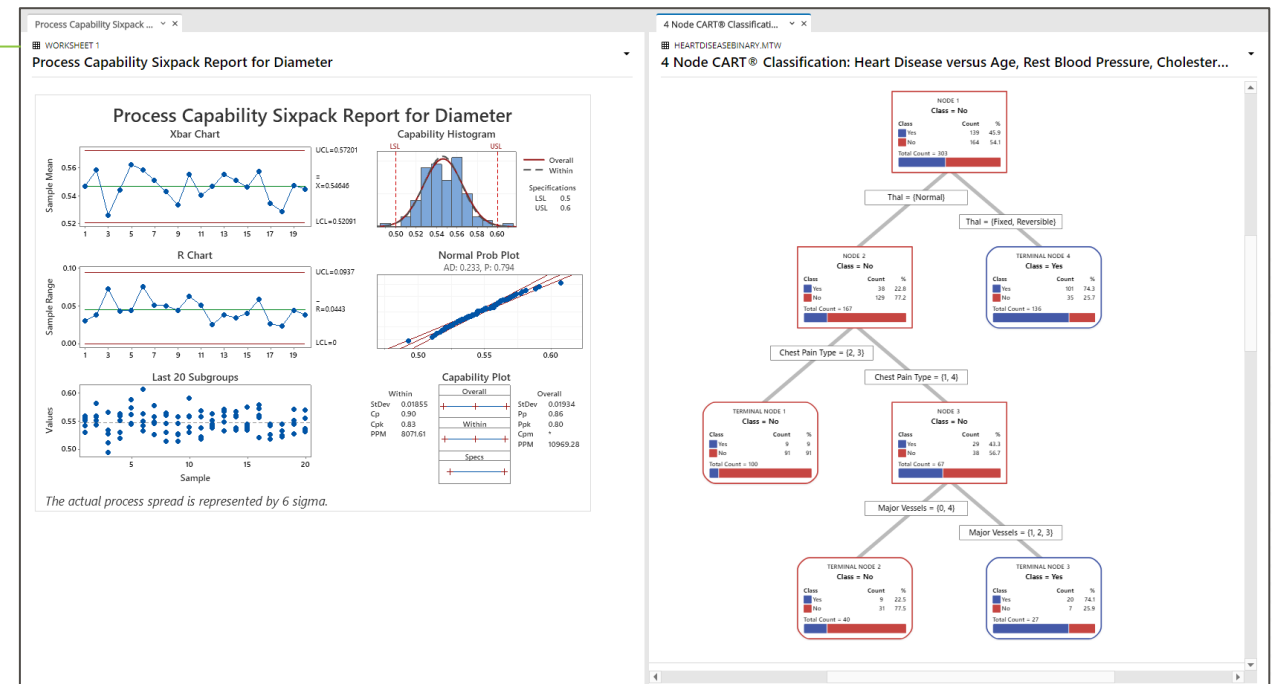
- Measurement systems analysis
- Hypothesis testing
- Regression / ANOVA
- Process Capability

### Stage 2: Process Qualification

- Control charts
- Capability analysis
- Tolerance Intervals

### Stage 3: Continued Process Validation

- Measurement system analysis
- Acceptance sampling
- Control charts



Thank you!

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