

# Minitab® Statistical Software 22.5.1

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## 1. New Features in Minitab 22.5.1

### **Multiple Response Optimization in Predictive Analytics**

In the Predictive Analytics Module, you can now simultaneously optimize predictor settings across multiple responses and model types, including TreeNet®, Random Forests®, and MARS® models.

### **Interactive Control Charts**

Control charts for subgroups, individuals, and attributes have been updated with a modern, interactive design, making it faster and easier to detect patterns and special causes.

### **Increase Worksheet Numeric Limits to Support Large-Scale Data**

Minitab can now support larger numeric values in worksheets. Previously limited to 1e18, you can now use values up to 1e30 in worksheets, non-integer dialog input fields, and analyses that compute and display results on graphs. Integer limits remain unchanged at 2.147e9.

### **Gage R&R Studies Support VDA 5 Standards**

Minitab's Gage R&R Studies (including Crossed, Nested, and Expanded) now support the German Automotive Industry Association's VDA 5 Standards, which focus on uncertainty-based approaches to Measurement Systems Analysis and provides guidelines for ensuring the capability and suitability of measuring systems in industrial manufacturing environments, particularly in automotive sectors.

### **Enhanced Graph Builder Editing of Reference Line and Percentile Line Labels**

You can now modify the number of decimal places that Minitab displays by default for numeric reference line and percentile line labels on graphs produced from the Graph Builder by accessing the Options pane from the graph context menu.

## Enhancements to Interactive Variability Chart in Graph Builder

Additional display options are now available for the Variability Chart in the Graph Builder, so you can more easily visualize sources of variation and identify patterns between factors and a response.

## 2. Problems Resolved in Minitab 22.5.1

### Desktop and Web Application

- The term boundary is incorrectly translated in Japanese in capability analysis dialogs and output. (316931)

### Desktop Application

- Recent files are cleared when the software is updated. (272282)
- When a Minitab project file is opened but locked by a non-Minitab process, Minitab cannot resave the project file. (310762)
- Unintended behavior occurs when using a combination of Individuals Chart options. (316429)
- Unexpected behavior occurs when a graph layout is created. (318789)
- The OK button is not displayed in the options subdialog for Create Mixture Design in Korean. (314122)
- The Analyze Factorial Design dialog is incorrectly reset when using the CTRL+E shortcut. (306444)
- Unintended behavior occurs when large data sets are copied and pasted. (301963)
- Send to Word feature uses incorrect font size settings. (288312)
- Macro that includes a loop causes files to exponentially increase in size. (266669)
- An Incorrect error is displayed when a stored numeric constant is referenced in a SQLString in an ODBC command. (316060)