



What's Coming in Version 10.0

New features in SigmaXL Version 10.0 include:

- **Graphical Tool Selection Guide**
- **Hypothesis Test Selection Guide**
- **Revised Control Chart Selection Guide**
- **New Data Manipulation Tools**
 - Convert Raw Data to Frequency (Tally)
 - Convert Frequency to Raw Data
- **New Graphical Tools**
 - Heatmap
 - Interval Plots and Multiple X Interval Plots
 - Empirical/Normal CDF Plots
 - XYZ Contour/Surface Plot
 - Automatic Interpolation Method Selection and XY Standardization using Cross-Validation
 - Inverse Distance, Akima's Polynomial and Biharmonic Spline Interpolation
- **New MSA Templates**
 - GLM GageRR (Crossed) Metrics with Interaction
 - GLM GageRR (Crossed) Metrics without Interaction
 - GLM GageRR (Nested) Metrics
 - GLM GageRR (Expanded) Metrics
- **New Statistical Tools**
 - Nonparametric Friedman and Friedman's Exact
 - Nonparametric Two Sample KS Test and KS Exact (option in Mann-Whitney)
 - General Linear Model. Extends Advanced Multiple Regression to include:
 - Fixed and Random Factors
 - Nested Factors
 - Covariates (can be Nested)
 - For Random or Mixed Random/Fixed Factors with a balanced design, the ANOVA and Variance Components (VC) report is given based on Expected Mean Squares. VC confidence intervals using Restricted Maximum Likelihood (REML) are included.
 - If the design is unbalanced or model is non-hierarchical, REML is used to compute the VC values and confidence intervals. Fixed



**This information is provided for the benefit of SigmaXL customers. We reserve the right to modify this list. Feedback and suggestions are welcome and greatly appreciated!

Effects Tests are based on Satterthwaite approximation degrees of freedom.

- Main Effects with Confidence Intervals and Interaction Plots of Fitted Means for Non-Nested Fixed Factors
- Tukey and Fisher Pairwise Comparison of Means for Non-Nested Fixed Factors
- Predicted Response Calculator
- Multiple Response Optimization for Nested or Non-Nested Fixed Factors