

SIGMAXL V8

MULTIPLE COMPARISONS MADE EASY!



SigmaXL Inc. is a leading provider of user friendly Excel Add-ins for Lean Six Sigma graphical and statistical tools and Monte Carlo simulation.

**DOWNLOAD A
30 DAY FREE TRIAL
at www.SIGMAXL.com**

WHAT'S NEW IN SIGMAXL VERSION 8.0

Analysis of Means (ANOM) Charts

- Normal, Binomial Proportions and Poisson Rates
 - One-Way
 - Two-Way with Main Effects and Slice Charts
 - Yellow highlight automatically recommends Main Effects (if interaction is not significant) or Slice Chart (if interaction is significant).
- Nonparametric Transformed Ranks
- Variances & Levene Robust Variances

Multiple Comparisons (a.k.a. Post-Hoc)

- Easy to read probabilities in matrix format with significant values highlighted in red
- Appropriate ANOM chart available as a graphical option
- Compare Means in One-Way ANOVA: Fisher, Tukey, Dunnett
- Compare Means in Welch ANOVA: Games-Howell
- Compare Variances in Bartlett & Levene: Bonferroni and Tukey

Also Includes New

- Chi-Square Tests & Table Associations
- Templates and Calculators
- Descriptive Statistics



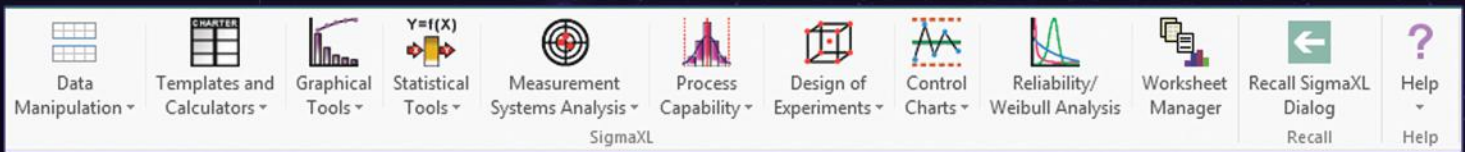
1-888-SigmaXL (1-888-744-6295)

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Quantity and trainer discounts available.

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SigmaXL was designed from the ground up to be a cost-effective, powerful, but easy to use tool that enables users to measure, analyze, improve and control their service, transactional, and manufacturing processes. As an add-in to the already familiar Microsoft Excel, SigmaXL is ideal for Lean Six Sigma training or use in a college statistics course.

In addition to the Analysis of Means Charts and Multiple Comparisons, new features in SigmaXL Version 8 include:

CHI-SQUARE TESTS & TABLE ASSOCIATIONS

- Adjusted Residuals (significant values highlighted in red)
- Cell's Contribution to Chi-Square
- Additional Chi-Square Tests
- Tests and Measures of Association for Nominal & Ordinal Categories

Chi-Square Two-Way Table Statistics

Observed Counts	Supplier A	Supplier B	Supplier C
Pass	160	140	150
Fail	20	30	36
Marginal	20	30	14

Expected Counts	Supplier A	Supplier B	Supplier C
Pass	150	150	150
Fail	28.667	28.667	28.667
Marginal	21.333	21.333	21.333

Std. Residuals	Supplier A	Supplier B	Supplier C
Pass	0.816497	-0.816497	0
Fail	-1.619	0.249029	1.370
Marginal	-0.288675	1.876	-1.588

Adjusted Residuals	Supplier A	Supplier B	Supplier C
Pass	2	-2	0
Fail	-2.14191972	0.329526111	1.812393613
Marginal	-0.374066	2.431429007	-2.05736301

Cell's Contribution to Chi-Square	Supplier A	Supplier B	Supplier C
Pass	0.666666667	0.666666667	0
Fail	2.620155039	0.062015504	1.875968992
Marginal	0.083333333	3.520833333	2.520833333

DESCRIPTIVE STATISTICS

- Percentile Report and Percentile Ranges
- Percentile Confidence and Tolerance Intervals
- Additional Descriptive Statistics and Normality Tests
- Outlier and Randomness Tests

Overall Satisfaction by Customer Type

Descriptive Statistics	Customer Type = 1	Customer Type = 2	Customer Type = 3
Outlier and Randomness Tests			
Outliers (Boxplot Rules)	No outliers found.	Potential (1.5*IQR) outlier lower count = 1.	No outliers found.
Grubbs Outlier Test	Grubbs' Test P-Value = 1.000. Fail to reject null hypothesis. "There are no outliers in the data set." Note that Grubbs' Test assumes normality and tests only if the maximum or minimum is an outlier.	Grubbs' Test P-Value = 0.105. Fail to reject null hypothesis. "There are no outliers in the data set." Note that Grubbs' Test assumes normality and tests only if the maximum or minimum is an outlier.	Grubbs' Test P-Value = 0.654. Fail to reject null hypothesis. "There are no outliers in the data set." Note that Grubbs' Test assumes normality and tests only if the maximum or minimum is an outlier.
Randomness Runs Test	Nonparametric Runs Test (Exact) P-Value = 0.996. Fail to reject null hypothesis. "data are random," so conclude that the assumption of randomness (independence) is not violated.	Nonparametric Runs Test (Exact) P-Value = 1.000. Fail to reject null hypothesis. "data are random," so conclude that the assumption of randomness (independence) is not violated.	Nonparametric Runs Test (Exact) P-Value = 1.000. Fail to reject null hypothesis. "data are random," so conclude that the assumption of randomness (independence) is not violated.

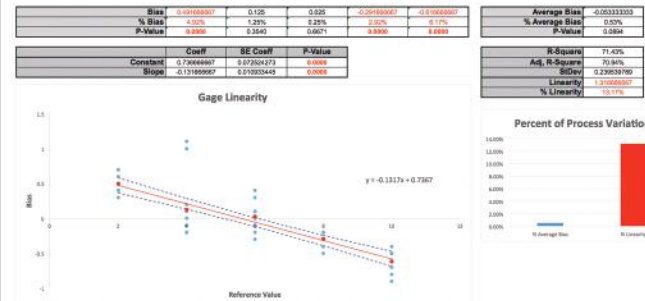


"I am happy to endorse the ANOM charts introduced in SigmaXL Version 8. They are easy to use and accurately handle balanced and unbalanced data. We collaborated to extend Multiway Slicing to Binomial and Poisson and these are included in the Two-Way charts, where SigmaXL automatically recommends Slice Charts when the interaction is significant."

Dr. Peter Wludyka, co-author of "The Analysis of Means: A Graphical Method for Comparing Means, Rates, and Proportions."

TEMPLATES AND CALCULATORS

- 1 Sample Z test and Confidence Interval for Mean
- Normal Exact Tolerance Intervals
- Equivalence Tests: 1 & 2 Sample Means, 2 Proportions, 2 Poisson Rates
- Type 1 Gage Study, Gage Bias & Linearity Study



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