Statistics Procedures

Several procedure files are provided to extend the built-in statistics capability described in this chapter. Some of these procedure files provide user interfaces to the built-in statistics functionality. Others extend the functionality.

In the Analysis menu you will find a Statistics item that brings up a submenu. Selecting any item in the submenu will cause all the statistics-related procedure files to be loaded, making them ready to use. Alternatively, you can load all the statistics procedures by adding the following include statement to the top of your procedure window:

```
#include <AllStatsProcedures>
```

Functionality provided by the statistics procedure files includes the 1D Statistics Report package for automatic analysis of single 1D waves, and the ANOVA Power Calculations Panel, as well as functions to create specialized graphs:

StatsAutoCorrPlot()	StatsPlotLag()	StatsPlotHistogram()
StatsBoxPlot()	StatsProbPlot()	

Also included are these convenience functions:

WM_2MeanConfidenceIntervals()	WM_MCPointOnRegressionLines()
WM_2MeanConfidenceIntervals2()	WM_MeanConfidenceInterval()
WM_BernoulliCdf()	WM_OneTailStudentA()
WM_BinomialPdf()	WM_OneTailStudentT()
WM_CIforPooledMean()	WM_PlotBiHistogram()
WM_CompareCorrelations()	WM_RankForTies()
WM_EstimateMinDetectableDiff()	WM_RankLetterGradesWithTies()
WM_EstimateReqSampleSize()	WM_RegressionInversePrediction()
WM_EstimateReqSampleSize2()	WM_SSEstimatorFunc()
WM_EstimateSampleSizeForDif()	WM_SSEstimatorFunc2()
WM_GetANOVA1Power()	WM_SSEstimatorFunc3()
WM_GetGeometricAverage()	WM_VarianceConfidenceInterval()
WM_GetHarmonicMean()	WM_WilcoxonPairedRanks()
WM_GetPooledMean()	WM_StatsKaplanMeier()
WM_GetPooledVariance()	

Statistics References

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