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The New SAS[®] Power and Sample Size Application

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Abstract:

Statistical power analysis determines the sample size required to provide a desired power for an effect of scientific interest and also characterizes the ability of a study to detect a meaningful effect size. These calculations are an important aspect of study planning and help produce studies with useful results for minimum resources.

The SAS/STAT Power and Sample Size Application (PSS), available with Version 9, provides a web interface for determining sample size and power for a variety of statistical tasks, including t-tests, ANOVA, proportions, equivalence testing, linear models, and table statistics. The application provides multiple input parameter options, stores results in a project format, displays power curves, and produces appropriate narratives for the results. Come see the latest work from the statistical development staff.

Biography:

Wayne Watson has been with SAS Institute since 1989 and has been a SAS user since 1976. While with SAS he has been a principal designer of several technical applications, including the Analyst application and the Market Research application. Currently, he is the lead designer of the Power and Sample Size web application.

Keywords:

SAS/STAT, sample size determination, power analysis, web application

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