

Special Qualities

- Background, assumptions, formula, examples and references for each procedure
- Explanations, accepted and suggested entries for each parameter
- Sample size as well as power calculations
- Automatic display of effect size, number of required discordant pairs and ICC
- The output can be saved in a tabular format in MS Excel and with different Alpha and Power combinations in MS Word.
- The real time examples, which are used to demonstrate the situations, are mostly from the research experience of Christian Medical College (CMC) and articles from indexed journals.

Evaluation

This software was reviewed by two expert Professors Dr. R.M.Pandey, AIIMS and Dr. N. Sreekumaran Nair, Manipal University and their teams

Dr. R.M.Pandey,
Professor & Head,
Department of Biostatistics, AIIMS,
New Delhi

"The Software nMaster 2.0 has advantage over software that incorporates sample size calculation (STATA, EpiInfo, nQuery, etc.), in terms of contents, ease of use and the cost. No other software incorporates all the situations that have been incorporated in the nMaster 2.0. The target audience for nMaster 2.0 is anyone (from residents, Ph.D.

students to independent researcher) who is involved in doing quantitative research or consumer of quantitative research"

Dr. N. Sreekumaran Nair,
Professor & Head,
Department of Statistics,
Manipal University

"This is one of the excellent package which is available for calculation of sample size. My faculty colleagues, masters and research student equally enjoy using this package"

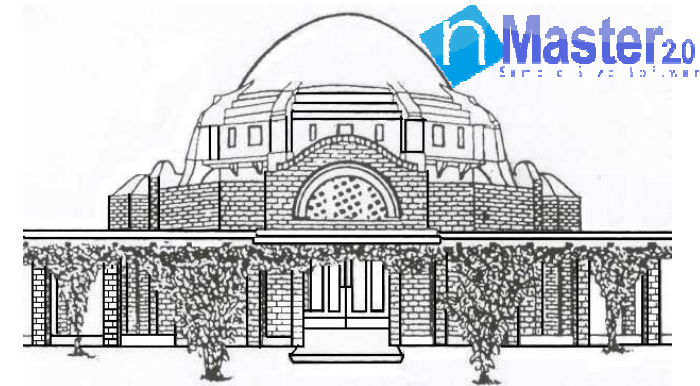
Price : ₹ 2500/- Per License
(More Licenses : Please visit our website)

Payment : Payment can be made by **Demand Draft** in favor of **"Christian Medical College Vellore Association Account"**, payable at Vellore.

Application form : Those who would like to order the software, kindly fill in the application form (which is available in our website) and should be sent along with the Demand draft in the following address:

Contact

Dr.L.Jeyaseelan Ph.D, FRSS, FSMS
Professor
Dept. of Biostatistics
Christian Medical College
Vellore – 632 002, India.
Email: biostats@cmcvellore.ac.in
Phone (Off): 91-416-2262703
Website : www.cmc-biostatistics.ac.in



www.cmc-biostatistics.ac.in

About Us

The Department of Biostatistics at Christian Medical College was established first in the country in 1964. The department has been actively involved in training, research in statistical and epidemiological methods, software development, data management, statistical analysis, and report writing in collaboration with several departments of the institution. The Department of Biostatistics also organizes workshops on recent developments in Biostatistics and in epidemiological methods in collaborating with University of North Carolina, USA.

Background

“Good Research Method is Good Ethics”. There is a growing recognition on the importance of sample size calculation and power analysis in research. When planning a study design, it is very imperative to consider how many participants are needed, therefore, sample size must be premeditated carefully to ensure that the research time, patient effort and support costs invested are not wasted. There are many standard statistical software and standalone packages available in public domain (internet) for performing sample size/power calculations. However, validity of those software are not authenticated and documented. On the other hand, the commercial software are unaffordable by the researchers from developing countries. Also, the software packages which are available do not provide the details of the literature behind the

technique. Thus, there is a great urge for developing a holistic tool, which will provide the situation where that particular formula needs to be applied, assumptions involved, the relevant bibliography and then the details of the formula. This paved a way for the development of ‘nMaster 2.0’.

nMaster – An Introduction

‘nMaster’ is user-friendly, affordable, empowers the user and as good as any existing sample size/power software packages.

nMaster 2.0 Features

- The most comprehensive sample size program available
- Combo Box Model
- Easy to learn & use
- Decimal display control
- Includes 74 statistical procedures
- Equal & unequal n’s
- Output delivery to MS Word, Excel
- Tables, statements & guides in RTF

Topics Covered

- **Means :**
Estimating single mean, hypothesis testing of 2 & >2 means (paired and unpaired samples, repeated measurements, ANCOVA)

- **Proportions :**
Estimating a single proportion, hypothesis testing of two proportions (equal & unequal), matched paired designs
- **Agreement :**
Kappa, Intra-class correlation coefficient (ICC)
- **Diagnostic Tests :**
Sensitivity, Specificity, PPV, Positive & Negative likelihood ratios
- **Regression Methods :**
Simple correlation & regression, simple & multiple logistic regressions
- **Survival Analysis :**
Log-rank test, Cox regression, Exponential survival curves
- **Cluster Designs :**
Estimation (continuous & binary), comparison of means, proportions & incidence rates (matched & unmatched)
- **Epidemiological Designs :**
Cohort, unmatched and matched Case-Control studies
- **Non-Parametric**
Sign test, will coxon signed rank test, Mann-Whitney U test
- **Clinical trials :**
Comparison of Means and Proportions, Superiority trials, Equivalence /Bio equivalence, Non inferiority trials from parallel and Crossover designs

nMaster 2.0 user's price list

		Academic/Personal	Commercial	Government
No of License (Quantity)	Volume Discount	Unit Price (in Rs)	Unit Price (in Rs)	Unit Price (in Rs)
1	0%	₹ 2500	₹ 5000	₹ 2500
2-5	10%	₹2250 * Quantity	₹4500 * Quantity	₹2250 * Quantity
6-10	20%	₹2000 * Quantity	₹4000 * Quantity	₹2000 * Quantity
11+	25%	₹1875 * Quantity	3750 * Quantity	₹1750 * Quantity