

May 29, 2019

REQUEST FOR QUOTATION

Philippine Science High School – Central Luzon Campus (PSHS-CLC) wishes to invite proponent for the Supply and Delivery for the publication of the Research students and for Statics class use of PSHS-CLC with ABC of Six Hundred eighty-two Thousand Pesos only in words and Php 682,000.00 in figures.

Details:

1 Unit Statistics analysis software

a. Statistics Base module –

1. Descriptive Statistics
2. Test to Predict Numerical Outcomes and Identify Groups
 - a. Factor Analysis
 - b. K-Means Cluster Analysis
 - c. Hierarchical Cluster Analysis
 - d. Two Steps Cluster Analysis
 - e. Discriminant
 - f. Linear Regression
 - g. Ordinal Analysis
 - h. Nearest Neighbor Analysis

b. Regression module -

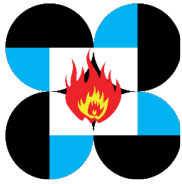
1. Multinomial Logistic Regression (MLR)
2. Binary Logistic Regression
3. Nonlinear Regression (NLR) and Constrained Nonlinear Regression (CNLR)
4. Weighted Least Squares (WLS)
5. Two-stage Least Squares (2SLS)
6. Probit Analysis

c. Advanced Statistics module -

1. General linear models (GLM)
2. Generalized Linear Mixed Models (GLMM)
3. Generalized linear mixed models (GLMM)
4. Generalized estimating equations (GEE) GEE extend generalized linear models to accommodate correlated longitudinal data and clustered data.
 - General models of multiway contingency tables (LOGLINEAR)
 - Hierarchical loglinear models for multiway contingency tables (HILOLINEAR)
 - Loglinear and logit models to count data by means of a generalized linear models approach (GENLOG)
5. Survival analysis procedures:
 - Cox regression with time-dependent covariates
 - Kaplan-Meier
 - Life Tables

d. Custom Tables module -

1. Chi-square test of independence
2. Comparison of column means (t test)
3. Comparison of column proportions (z test)
 - Categorical variables



- Multiple response sets
- Scale variables
- Custom total summaries for categorical variables

e. Categories module -

1. Categorical regression
2. Correspondence analysis
3. Multiple correspondence analysis
4. Categorical principal components analysis
5. Nonlinear canonical correlation analysis
6. Multidimensional scaling
7. Preference scaling

f. Forecasting module -

1. TSMODEL - Use the Expert Modeler to model a set of time-series variables, using either ARIMA or exponential smoothing techniques
1. TSAPPLY - Apply saved models to new or updated data
2. SEASON - Estimate multiplicative or additive seasonal factors for periodic time series
3. SPECTRA - Decompose a time series into its harmonic components, which are sets of regular periodic functions at different wavelengths or periods

g. Decision Trees module -

1. CHAID – A fast, statistical, multi-way tree algorithm that explores data quickly and efficiently, and builds segments and profiles with respect to the desired outcome
2. Exhaustive CHAID – A modification of CHAID, which examines all possible splits for each predictor
3. Classification and regression trees (C&RT) – A complete binary tree algorithm, which partitions data and produces accurate homogeneous subsets
4. QUEST – A statistical algorithm that selects variables without bias and builds accurate binary trees quickly and efficiently.

h. Data Preparation module –

1. Unsupervised -- create bins with equal counts
2. Supervised -- take the target variable into account to determine cutpoints.
This method is more accurate than unsupervised; however, it is also more computationally intensive.
3. Hybrid approach -- combines the unsupervised and supervised approaches.
This method is particularly useful if you have a large number of distinct values.

i. Missing Values module-

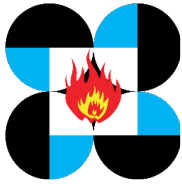
1. Diagnose if you have a serious missing data imputation problem
2. Replace missing values with estimates -- for example, impute your missing data with the regression or EM algorithms

Training:

Training for at most 20 faculty and students of PSHS-CLC.

Technical Support:

- On-site installation of customer's software
- Provide guidance updating encryption codes
- Provide details on recommended resource settings and how to set them.



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- Walk through update of encryption code, providing customer with step-by-step instructions over the phone.
- In situations in which common troubleshooting techniques have been unsuccessful, "walk through" the installation procedure with the customer.

Proponent must deliver the items in PSHS-CLC
Proponent must be familiar with CDC regulations and policies
Proponent must be familiar with Government Transactions

For more information, please contact the Bids and Awards Committee of PSHS-CLC: Tel no. (045) 499-0136 / (045) 499-5597 loc 105 or email us at clcbacsecrfq@gmail.com

Submissions will be accepted until **June 7, 2019** 9:00am at the PSHS- CLC, Lily Hill St., Clark Freeport Zone, Pampanga or through email at clcbacsecrfq@gmail.com

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