CELLAD Center on Health, Aging, and Disability

Biostatistical Support



Grant Proposal

Analytic Plan

Sampling Design

Randomization

Sample Matching (case-control; propensity score)

Power and Sample Size Calculation

Group Comparison on Means/Proportions

Analysis of Variance/Covariance

Repeated Measures Analysis of Variance/Covariance

Linear Regression

Logistic Regression

Mediation/Moderation Effect

Structural Equation Models

Longitudinal Data

Growth Curve Models

Mixed Effect Models

Database Management

Statistical Modeling

Data Analysis

Manuscript/Presentation/Abstract

Statistical Methodology

Data Analysis

Result

Data analysis

Psychometric Analysis

Internal Consistency

ROC Analysis

Factor Analysis (EFA; CFA)

Item Response Theory

Multi-group Analysis

Cross-sectional Data Analysis

Descriptive Analysis

Group Comparisons

Analysis of Variance/Covariance

Linear Regression

Logistic Regression

Multivariate analysis

Categorical Data Analysis

Factor Analysis

Generalized Linear Modeling

Mediation/Moderation Analysis

Survival Analysis

Propensity Score Analysis

Analysis On Cluster Data

Structural Equation Modeling

Path Analysis

Latent Class Analysis

Latent Growth Analysis

Hierarchical Linear Modeling

Multilevel Modeling on Complex Survey Data

Longitudinal Data Analysis

Generalized Estimating Equations

Repeated Measures Analysis of Variance/Covariance

Mixed Effect Models

Generalized Growth Mixture Models

Missing Data Imputation

Maximum Likelihood Estimation

Multiple Imputation

Clinical Trials

Intent-to-treat Analysis

Last Observation Carried Forward

Efficacy Analysis

Adverse Events

Genetics

Genome-wide Linkage Analysis

Family-based Association Analysis

Statistical Software

SAS/SPSS/MPlus/STATA/Matlab/S-plus

Power Calculation (SAS, Mplus, GPower, PASS, etc)

Dataset Conversion

And any other hypothesis-based statistical analysis

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