

# Dissertation and Thesis Statistical Consultation

Data not behaving??

Stuck on an analysis?

Unclear on the next step or best-practices?

The Office of Research Consulting (ORC) provides *free* statistical consulting to UNT faculty, doctoral and masters students working on dissertations, theses, and independent research.

Schedule an in-person or virtual consultation that works with your schedule by visiting us online [coe.unt.edu/research/research-consulting](https://coe.unt.edu/research/research-consulting) or email: [COE-ORC@unt.edu](mailto:COE-ORC@unt.edu)

Our consultants have experience in

## Research Design:

- Quantitative Research Design
- Qualitative Research Design
- Institutional Review Board (IRB) Best-Practices

## Data Screening and Setup:

- Data Setup
- Data Cleaning
- Variable Coding
- Transformation of Variables
- Assumption Checking

## Univariate Tests:

- Z-tests
- t-tests
- Analysis of Variance (ANOVA)
- Analysis of CoVariance (ANCOVA)
- Multiple Regression
- Moderated Multiple Regression
- Chi-squared
- Logistic Regression
- Propensity Scores

## Multivariate Tests:

- Multivariate Multiple Regression
- Multivariate Analysis of Variance (MANOVA)
- Discriminant Analysis (DDA)
- Assessment of Multivariate Normality
- Reliability Analysis
- Factor Analysis (Principal Axis)
- Factor Analysis (Principal Components)
- Canonical Correlation Analysis (CCA)
- Item Response Theory
- Structural Equation Modeling (SEM)
- Hierarchical Linear Modeling (HLM)

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