

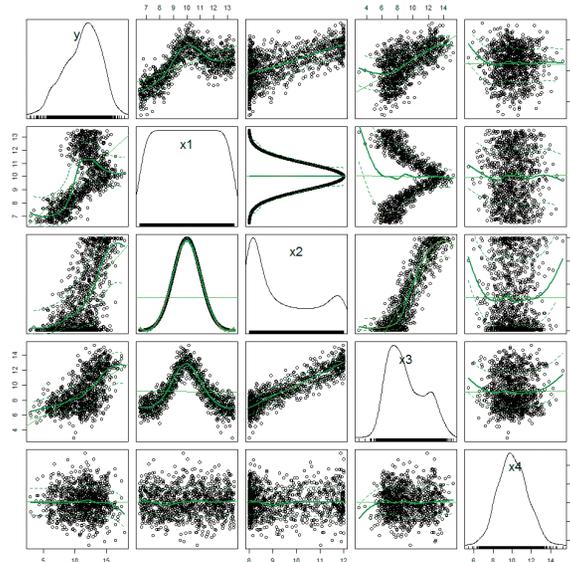
DSA Website

You can find a wide range of research-related resources including the following.

- Short-course Tutorials
- Sample Programs
- Links to Free Software
- Answers to Frequently Asked Questions



***NOTE:** Users need to have the application source code in order to take advantage of the HPC cluster. The R software is currently the only DSA-supported application on the computer cluster.



Created with R software, a scatterplot matrix, above, is used to graphically display the relationships among more than two quantitative variables.

DSA Mission

Our mission is to assist researchers at the UNT main campus in carrying out their research projects and faculty members in their research-related courses and projects.

DSA Office

Data Science and Analytics is an office of Research Information Technology Services and University Information Technology.

Your Research Consultants

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Call, click or come by!

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<https://it.unt.edu/research>
uit.researchsupport@unt.edu

Data Science and Analytics
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Denton, TX 76203-5017

“If we knew what it was we were doing, it would not be called research, would it?”

ALBERT EINSTEIN

Data Science & Analytics Research IT Services

- Data Support
- Application Support
- Instructional Support
- Consultations and more!

it.unt.edu/research



Student and Faculty Support to Help You

- Finish that dissertation
- Get “un-stuck” and
- Achieve your goals!

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EST. 1890

Let us know how DSA can help you!

SERVICES

Data Support

As members of a number of data consortia, the DS&A professionals provide UNT faculty and students with unlimited access to a huge collection of data sets including the following.

- Inter-university Consortium for Political and Social Research
- Center for Research in Security Prices
- Standard and Poor's Compustat

NOTE: Faculty members and students can access data sets from these consortia through the DSA website.

<https://it.unt.edu/research>

Application Support

FACULTY: Statistical software is available at no charge for full-time, benefits-eligible faculty members. Home use of statistical packages available include Mathematica, MATLAB, SPSS and SAS.

Consulting and support services are available from DSA for the following applications.

Statistical Packages

SAS	R	Eviews	MATLAB
SPSS	Stata	LISREL	NVivo

Research Data Support • it.unt.edu/erds

TELEform – scan-able forms

Data capture/collection of existing survey instruments

Instructional Support

FACULTY AND STUDENTS: Application training materials are available online.

<https://it.unt.edu/researchshortcourses>

Online Guides

Computer Tools for Research & Data Analysis

Introduction to SAS

Introductions to SPSS

Introduction to R

Introduction to Stata

New Technologies for Survey Research

LaTeX for Beginners

Virtual Statistics Lab

Statistics, analytics and modeling software packages are offered through the Virtual Statistics Lab.

These applications are hosted on UNT servers and presented virtually to your on- or off-campus computer, meaning that you may use these full applications without the need to install them on your local computer.

<https://it.unt.edu/virtual-lab>

Consultations

You can access DSA services by making an appointment.

Please read the information online,

<https://it.unt.edu/researchconsult>, to

- 1) determine the best time in your project to make an appointment for a consultation,
- 2) read the FAQs and
- 3) learn how to make an appointment.

Two research consultants are available to help and guide you.

New Technology

You will find a number of operating systems and environments.

WINDOWS MAC OS LINUX

FACULTY AND GRADUATE

STUDENTS: High-performance computing resources are dedicated to faculty and graduate-student research and training. A batch-system interface is supported that is particularly appropriate for jobs requiring many CPU-core hours or days to complete.

*See note on the other side.

High-Performance Computing

The UNT Talon 3 features the following.

- A 384-node cluster | 79,872 GPU cores
- 700 TB of object storage | 8,304 CPU cores
- More than 8.5 TB of RAM
- 1.4 PB of high-performance disk storage

<https://hpc.unt.edu>



Rusty or out of touch with emerging methodological trends? Methodological wisdom evolves, so must the basic pedagogical practices that communicate those evolving methods. **Call DSA!**

Read about more DS&A services on the website maintained for your research needs!

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