

# OIT RESEARCH SUPPORT & SERVICES

The link between research and technology

## Request Research Help

OIT provides a variety of services to help with computing as it applies to research. From quantitative, qualitative, and geographic information systems support to high-performance scientific computing, the Office of Innovative Technologies is here to help. OIT can assist by:

- Analyzing data, including statistical consulting, qualitative analysis, geographic information systems, and machine learning.
- Designing studies or experiments, including determining sample size.
- Discussing the best way to acquire data, including designing web surveys, capturing websites, and importing third-party datasets.
- Discovering ways to explore your data for useful patterns using graphics, interactive geocoded maps, and data visualizations.
- Co-authoring manuscripts to help write or edit your methods and results sections, including phrasing, tables, figures, and other strategies.
- Providing high-performance scientific computing (HPSC) for research, including system administration support, scientific computing support, documentation, and training.
- Providing a secure research environment for Protected Health Information and Controlled Unclassified Information.

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## Ready to get started?

Visit OIT Research Support for more on the services available to faculty and researchers.

[oit.utk.edu/research-services](https://oit.utk.edu/research-services)

### Workshops and Training

Enhance your research skills with resources from OIT. Select from scheduled live workshops over Zoom, or step through OIT self-paced learning modules at your own pace.

[tiny.utk.edu/research-training](https://tiny.utk.edu/research-training)

### HPSC Topics

High-Performance and Scientific Computing topics include: Introduction to the Open Enclave and Secure Enclave, Running Jobs, and GPU Computing.

### Research Software Topics

Research software topics include: ArcGIS, basic statistical concepts, JMP, multilevel regression, Nvivo, Python, Qualtrics, R, SAS, and SPSS.

## Research Software

Research software is available to most faculty, staff, researchers, and all active students. The software available from OIT is centrally funded for internal teaching and academic research. Acceptable usage details are available on OIT's research software page.

There are four ways you can use research software at UT: Licensed on your computer, in the OIT Computer Labs running on a PC or Mac computer, from our Windows Terminal Server called Apps@UT (apps.utk.edu), and on the High Performance and Scientific Computing clusters.

[oit.utk.edu/research-software](https://oit.utk.edu/research-software)

## Assisted Publication

We have co-authored over 270 manuscripts. If you are looking for a partner to help write or edit your results sections, learn more about how we can help!

[oit.utk.edu/assisted-publications](https://oit.utk.edu/assisted-publications)

## Web Surveys

OIT has over 20 years of experience in building and administrating online surveys and providing full statistical consulting services. We assist with optimizing surveys for online data collection, offer overviews on survey software, and can provide guidance on building more difficult surveys.

[oit.utk.edu/websurveys](https://oit.utk.edu/websurveys)

## Guide to Sensitive Information in Research

This guide will help you navigate the various tools, products, and software you plan to use to conduct your research and the security measures accompanying those items. Whether you are an experienced researcher or new to the field of research, it's beneficial that you understand all of your options along with the required measures outlined in your grant documentation.

[oit.utk.edu/sensitive-info](https://oit.utk.edu/sensitive-info)

## High Performance and Scientific Computing

OIT provides research computing resources and services with ISAAC, the Infrastructure for Scientific Applications and Advanced Computing. ISAAC includes research resources involving non-sensitive and sensitive information, named ISAAC Next Gen and ISAAC Secure Enclave. Each environment has dedicated nodes, GPUs, memory, and storage.

OIT also supports faculty and researchers in preparing proposals that include computational resources such as equipment, virtual machines, and professional services such as Computational Scientist (SciComp) or system administrator support related to ISAAC.

[oit.utk.edu/hpsc](https://oit.utk.edu/hpsc)

## Contact Us

OIT Research Computing Support

[oit.utk.edu/research](https://oit.utk.edu/research)

OIT High Performance and Scientific Computing

[oit.utk.edu/hpsc](https://oit.utk.edu/hpsc)

OIT HelpDesk

[help.utk.edu](https://help.utk.edu) • 865-974-9900 • [oit.utk.edu/chat](https://oit.utk.edu/chat)

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**IT Weekly**

For instructors, staff, and campus leaders who want to stay informed about current technology news at UT.

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