

# Research Infrastructure Core summer 2022 workshops

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Michael Petillo



David Folch



Ricky Camplain



Monica Lininger



Catherine Propper



Indrakshi Roy

**Monday, May 9 | 10–11:30 a.m.**

## Exploring NVivo for Qualitative Data Analysis

**Michael Petillo, MA, Senior Research Coordinator, Center for Health Equity Research**

Qualitative data analysis software (QDAS) such as NVivo can assist researchers with coding, organizing, analyzing, visualizing, and storing qualitative data from interviews, focus groups, social media, and more. This workshop will provide beginner users with an overview of NVivo features, tools and techniques that can save time and strengthen results.

**Thursday, May 19 | 1–4 p.m.**

## Intro to Python for Data Analysis

**David Folch, PhD, Assistant Professor Geography, Planning, and Recreation**

Python is a general purpose programming language that has become one of the leading languages in the data science, data analytics and data management fields due to its straightforward syntax, interactive design and free availability. This workshop provides an introduction to Python and a hands-on lab where participants will learn how to perform basic data manipulation, visualization, and statistical tasks.

**Wednesday, June 1 | 9 a.m.–noon**

## Intro to SAS

**Ricky Camplain, PhD, Assistant Professor Center for Health Equity Research and Department of Health Sciences**

SAS continues to be the standard data management and statistical analysis software for the biomedical and public health sciences, including public health departments and clinical and research health sciences university departments. This workshop will demonstrate access to and major features of SAS Software, including reading in datasets, basics of data management (e.g., recoding, merging, combining datasets), and basic statistics. Ahead of the workshop: Please make sure you can access [apps.nau.edu](https://apps.nau.edu), go to the Mathematics and Statistics Folder and find the SAS app icon.

**Thursday, June 9 | 10 a.m.–noon**

## Intro to SPSS

**Monica Lininger, PhD, Associate Professor Athletic Training Program**

**Michael Petillo, MA, Senior Research Coordinator Center for Health Equity Research**

Are you new to SPSS, or needing a refresher? This interactive workshop will explore key features of Statistical Package for the Social Sciences (SPSS), a Windows-based predictive analytic software that can be used for a range of statistical analyses, data management, and quantitative reporting. Using a sample data set, we'll practice using the software for data cleaning, descriptive statistics, correlational analysis, graphical representations, and SPSS research. SPSS is available through NAU Information Technology Services; download the software prior to the workshop.

**Tuesday, July 12 | 10 a.m.–noon**

## JMP into Stats: An Intuitive Program for Statistical Analysis

**Catherine Propper, PhD, Professor Department of Biological Sciences**

If you want to develop your statistical skills but are intimidated by programming-based tools like R, JMP is an intuitive SAS-based program that allows you to conduct powerful statistical analysis even if you are not a programming guru. This hands-on workshop will offer basic analysis tools for data cleaning, descriptive statistics, correlation analysis and graphical representation of your data. JMP is available through [apps.nau.edu](https://apps.nau.edu) or through [NAU's ITS](https://www.jmp.com). Participants will be asked to either download the software or become familiar with accessing the program through the [apps.nau.edu](https://apps.nau.edu) site.

**Thursday, July 21 | 11 a.m.–2 p.m.**

## Beginner's Guide to R

**Indrakshi Roy, PhD, Biostatistician Center for Health Equity Research**

This workshop is designed to provide a very basic introduction to RStudio (understanding the interface, how to import and export data, manage data and basic statistics). The workshop aims to explain in simple terms, the basic terminologies in R. We will cover some simple data visualization techniques in R. The workshop will use a mock dataset to give hands-on experience with using R-studio. The aim of this workshop is to provide a basic introduction to R for new users who have been considering learning R. No previous knowledge of R is required. Throughout the workshop, we will use a sample dataset to learn different functions in R.

**Register today!**

[RIC registration form](https://www.nau.edu/SHERC)

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