StatQuest Workshop Overview

Course description

Welcome to StatQuest! This course will cover the fundamental descriptive statistics (frequencies, central tendencies, and variability of data) and inferential statistics (t-test and ANOVA*) students will encounter in different fields of research. Students of this course will be introduced to an open-source statistical program to analyze and interpret quantitative data (R).

Workshop Format

Hybrid, [Future Dates TBD] 10 am, to 12 pm, Weaver Science and Engineering Library Rm 212. Zoom Link: [TBA]. If you would like to sign up for the **survey or workshop,** please go to this link [here].

Learning Outcomes

By the end of this course, students will:

- Describe fundamental concepts in research design and basic statistical techniques used in quantitative research.

- Apply statistical methods using R to organize, analyze, and interpret quantitative data from sample research scenarios.

- Create clear and effective data visualizations and research summaries that communicate key findings using R and best practices for reporting.

Recommended Readings:

- [Descriptive Statistics] Antoine Soetewey. Descriptive Statistics in R. Blog 2020.

See the UArizona Libraries loaner technology if you need a loaner laptop.

Funding