$$t = \frac{(M_1 - M_2) - (\mu_1 - \mu_2)}{s_{(M_1 - M_2)}}$$

$$\chi^2 = \sum \frac{(f_o - f_e)^2}{f_e}$$

EDRS 220:
Introduction to
Applied Quantitative Analysis

EDRS 220 is an undergraduate quantitative analysis course that facilitates student understanding of the basic concepts and principles of descriptive and inferential statistics though the use of social science applications. **It emphasizes comprehension, skill development and application of statistical knowledge to quantitative inquiry in education, exercise science, and other social sciences**. Students learn through a combination of text reading assignments, data analysis and interpretation of output with a **focus on application activities**.

Contact Dr. Angela Miller with any questions (amille35@gmu.edu).

Sections for Summer 2023

- **EDRS 220, section 001 (hybrid):** Tuesday (in-person)/Thursday (synchronous online), 1:30pm-3:15pm
- **EDRS 220, section B01 (in-person):** Monday/Wednesday, 10:30am-1:10pm

Sections for Fall 2023

- **EDRS 220, section 002 (in-person):** Tuesday/Thursday, 10:30am-11:45am
- **EDRS 220, section 003 (in-person):** Monday/Wednesday, 3pm-4:15pm
- **EDRS 220, section DL1 (online):** Monday/Wednesday, 10:30am-11:45am

This course will satisfy the Quantitative Reasoning Mason Core Requirement

GEORGE MASON UNIVERSITY

College of Education and Human Development
Division of Educational Psychology and Research Methods