

APPLIED DATA SCIENCE IN THE SOCIAL SCIENCES, MICROCREDENTIAL

The Applied Data Science Microcredential from Saint Louis University provides a student with the knowledge to do data analysis in the social sciences. Students will learn how to wrangle data sets and use standard statistical and visualization tools to work with data in an applied setting.

Admission Requirements

For current, active Saint Louis University students wishing to declare a microcredential, complete the Update for Student Curriculum Record form (<https://ask.slu.edu/TDClient/30/Portal/Requests/ServiceDet/?ID=160>).

For non-Saint Louis University students, click here to apply as a Visiting/ Non-Degree Seeking Student. (<https://www.slu.edu/admission/visiting-students.php>)

Learning Outcomes

- Students will develop an applied understanding of fundamental statistical techniques using 'R' statistical programming.
- Students will analyze data in 'R' provided by the instructor or gathered by the student to develop an argument about a social or psychological phenomenon.
- Students will create analytical projects in each course of the microcredential that require data science techniques to answer social and psychological questions.

Requirements

| Code | Title | Credits |
|---|--|-------------|
| STAT 2300 | Intermediate Statistics | 3 |
| <i>Take two of the following three courses:</i> | | 6-7 |
| STAT 1300 | Elementary Statistics with Computers | |
| PSY 2050 | Foundations of Research Methods and Statistics | |
| SOC 4015 | Quantitative Research Methods | |
| Total Credits | | 9-10 |

Continuation Standards

Students are required to maintain a cumulative GPA of 2.00, with grades of C or better in all courses.

Contact Us

For more information on this program, please contact:

Darrin Speegle, Ph.D.
Data Science Program Director
Department of Mathematics and Statistics

darrin.speegle@slu.edu
314-977-2440