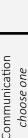
Research Methodology





QUANTITATIVE RESEARCH ANALYTICS IN THE SOCIAL SCIENCES | CERTIFICATE

24 Credits required from the six component areas below

*ANTH 5230 Introduction to Statistical Thinking in
Anthropology
*ECON 3640 Probability and Statistical Inference for

Economists

FCS 3210 | Statistics in Family and Consumer Studies

- *GEOG 3020 | Geographical Analysis
- *POLS 5001 | Quantitative Analysis in Political Science
- *PSY 3000 | Statistical Methods in Psychology

SOC 3112 | Social Statistics

SOC 6120 | Statistics I

Implementing Statistical Analyses

choose one

***ECON 4650** | Principles of Econometrics

*FCS 5120 | Demographic Methods

GEOG 1180 | Introduction to Geo-Programming OR

COMP 1010 | Programming for All 1

*GEOG 5180 | Geoprocessing with Python

GEOG 5680 | Introduction to R Programming

*STAT 5003 | Survey of Statistical Computer Packages

Experimental Designs

*PSY 3010 | Research Methods in Psychology

FCS 3200 | Research Methods in Family and Consumer Studies

POLS 3001 | Political Analysis

SOC 3111 | Research Methods

SOC 3673 | Social Epidemiology

Geospatial Analyses

*GEOG 3100 | Introduction to GIS and Cartography

GEOG 3170 | Geospatial Field Methods: GPS and Drones

*GEOG 5150 | Spatial Data Design for GIS

*GEOG 5190 | GIS for Environmental and Public Health

Demographic & Survey Methods

*FCS 5700 | Analyzing Community Growth: An Evidence-based Approach

*FCS 5120 | Demographic Methods

Field Work, & Observation

*ANTH 4169|

Ethnographic Methods

CMP 4010 | Field Studies in Urban Ecology I

*ANTH 5485 | Graphical Data Analysis

ANTH 5850 | Quantitative Analysis of Archaeological Data

*ANTH 4250 | Spatial Analysis in Anthropology

*ANTH 5221 | Human **Evolutionary Genetics** *COMP 5360 | Introduction to

Data Science

*ECON 4650 | Principles of **Econometrics**

*ECON 4660 & 4670

Statistical Tools for Applied **Economics Research &** Economics Research in the Community

*GEOG 5020 | Geographical **Analysis**

*GEOG 3100 | Introduction to GIS and Cartography

*GEOG 4140 | Advanced Methods in GIS

*GEOG 5160 | Spatial Modeling and Geocomputation

*GEOG 5150 | Spatial Data Design for GIS

*MATH 4100 | Introduction to **Date Science**

*POLS 3002 | Quantitative Approaches to International Relations

*PSY 5250 | Applied Statistics

*PSY 5499 | Introduction to **Quantitative Methods**

*PSY 5500 | Quantitative Methods I

*PSY 5510 | Quantitative Methods II

SOC 3650 | Population and Society

For more information or to declare, contact:

*PSY 3010 | Research Methods in Psychology

- *WRTG 3012 | Writing in the Social Sciences
- *WRTG 3014 | Writing in the Sciences
- *WRTG 3015 | Professional Writing

Capstone Experience course

See certificate advisor for recommendations

PROGRAM DIRECTOR

Pascal Deboeck, Ph.D. Associate Professor | Psychology

CERTIFICATE ADVISOR

Stacy R. Morris, M.S. Lead Academic Advisor | CSBS Email | quantcertificate@utah.edu

Web | https://csbs.utah.edu/ quant-certificate



Certificate Policies | 9 credits must be completed outside of the primary major. All courses must be completed with a C- or higher and a GPA of 2.8. You must still meet the grade requirement for your primary major for a course to apply in the major.