


QUANTITATIVE RESEARCH ANALYTICS IN THE SOCIAL SCIENCES | CERTIFICATE

24 Credits required from the six component areas below

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|---|---|--|--|---|---|--|--|--|
| Probability and Introductory Statistics <i>choose one</i> | *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 <i>choose one</i> | *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 | | | | |
| | Research Methodology <i>choose two from different areas</i> | 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 | | |
| Additional Expertise <i>choose two</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 Data 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 |
| | Communication <i>choose one</i> | *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 <i>one course</i> | See certificate advisor for recommendations | | For more information or to declare, contact: 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. | | | | | | |  THE UNIVERSITY OF UTAH College of Social and Behavioral Science | |