The ICPSR Summer Program is internationally recognized for basic and advanced training in methodologies and technologies across the social, behavioral, and medical sciences. We’ve been educating students, faculty, researchers, and policy-makers in quantitative methods for over fifty years.

**Four-week sessions: June 20–August 12, 2016**

**3- to 5-day workshops: May–August 2016**

**Curriculum**

Course Topics. Beginning to advanced levels in statistics, data analysis, methodology, research design, and more.

Course Length. Courses range from three days to four weeks.

Data Analysis. Participants engage in hands-on analysis of actual research datasets.

Instruction. Participants receive individual guidance from instructors and teaching assistants who make course material accessible and enjoyable to learn.

Credit. All courses are offered on a noncredit basis. However, the Summer Program can provide official documentation of classroom performance to assist participants in receiving credit at their home institutions.

**Valuable Networking**

Participants establish valuable connections within and outside of their discipline with researchers from around the world. There’s a good chance you’ll find a potential research partner, mentor, or co-author while attending the Summer Program.

**Cost**

Our courses are reasonably priced, and fees are even lower if you are affiliated with an ICPSR member institution. A list of member institutions is at: [http://tinyurl.com/icpsrmembers](http://tinyurl.com/icpsrmembers)

**More Information**

See our course descriptions, schedules, registration information, scholarships, and fees at [www.icpsr.umich.edu/sumprog](http://www.icpsr.umich.edu/sumprog)

Questions? Contact us at sumprog@icpsr.umich.edu or (734) 763–7400.

**About the Program**

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For a complete three- to five-day workshop schedule, including dates and locations, visit our website.

To register, scan the QR code at right or visit www.icpsr.umich.edu/sumprog

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NOTE: This is a preliminary list of courses. Please check our website for more information and additional courses.

SESSION I: JUNE 20–JULY 15
• Advanced Multivariate Statistical Methods
• Applied Multilevel Models
• Introduction to Applied Bayesian Modeling for the Social Sciences
• Introduction to Computing (June 21–July 1)
• Introduction to Game Theory
• Introduction to Statistics and Data Analysis I
• Introduction to the LaTeX Text Processing System (June 20)
• Introduction to the R Statistical Computing Environment (June 21–July 1)
• Mathematics for Social Scientists I
• Mathematics for Social Scientists II
• Mathematics for Social Scientists III
• Maximum Likelihood Estimation for Generalized Linear Models
• Network Analysis
• Race, Ethnicity, and Quantitative Methodology
• Rational Choice Theories of Politics and Society
• Regression Analysis I: Introduction
• Regression Analysis II: Linear Models
• Regression Analysis III: Advanced Methods
• Time Series Analysis

SESSION II: JULY 18–AUGUST 12
• Advanced Bayesian Models for the Social Sciences
• Advanced Empirical Modeling for Theory Evaluation
• Advanced Game Theory
• Advanced Topics in Maximum Likelihood Estimation
• Categorical Data Analysis
• Causal Inference for the Social Sciences
• Introduction to Calculus
• Introduction to Computing (July 19–29)
• Introduction to Statistics and Data Analysis II
• Introduction to the LaTeX Text Processing System (July 18)
• Introduction to the R Statistical Computing Environment (July 19–29)
• Introductory Lectures on Matrix Algebra (July 19–July 29)
• Longitudinal Analysis
• Network Analysis: Advanced Topics
• Regression Analysis II: Linear Models
• Scaling and Dimensional Analysis
• Simultaneous Equation Models
• Structural Equation Models With Latent Variables
• Time Series Analysis: Advanced Topics

For a complete three- to five-day workshop schedule, including dates and locations, visit our website.

The following courses are likely to be offered in 2016:
• Analyzing Developmental Trajectories
• Applied Multilevel Models for Longitudinal and Clustered Data
• Bayesian Data Analysis: An Introduction
• Causal Inference: Experiments, Matching, and Beyond
• Designing and Conducting Experiments in the Laboratory
• Designing, Conducting, and Analyzing Field Experiments
• Dynamic Models for Policy, Economics, and Society: Practical Time Series Methods
• Growth Mixture Models: An SEM Approach
• Handling Missing Data Using Multiple Imputation in Stata
• Hierarchical Linear Models I: Introduction
• Intensive Longitudinal Data: A Guide to Diary, Experience Sampling, and Ecological Momentary Assessment Methods
• Item Response Theory
• Latent Class Analysis in Social Science Research
• Latent Growth Curve Models (LGCM): An SEM Approach
• Longitudinal Data Analysis, Including Categorical Outcomes
• Mixed Methods Research: An Introduction
• Multilevel and Mixed Models Using Stata
• Multilevel Models: Pooled and Clustered Data

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• Multilevel and Mixed Models Using Stata
• Multilevel Models: Pooled and Clustered Data

• Multivariate Analyses of Social, Economic, and Political Data
• Network Analysis: An Introduction
• Network Analysis: Statistical Approaches
• Nursing Research: Survey Design and Analysis Using Mixed Methods
• Providing Social Science Data Services
• Qualitative Research Methods
• R: Learning by Example
• Regression Analysis: An Introduction
• Regression Discontinuity Designs
• Social Network Analysis: An Introduction
• Social Network Analysis: An Introduction using R
• Spatial Econometrics for Contagion, Diffusion, and Interdependence
• Spatial Regression Analysis: An Introduction
• Structural Equation Modeling with Stata
• Structural Equation Models and Latent Variables: An Introduction
• Survival Analysis, Event History Modeling, and Duration Analysis
• Text Analytics
• Time Series Analysis
• Transparency and Reproducibility Methods for Social Science Research

100+ instructors
80+ courses offered