



## WHAT MAKES US UNIQUE?

### The scope of our curriculum

With more than 80 courses, our curriculum is designed to fulfill the needs of researchers throughout their careers. We offer:

- Introductory statistics and data analysis for individuals with no prior training
- Advanced quantitative methods not taught at most universities
- Cutting-edge techniques for faculty and researchers seeking to expand their skills

### The premier quality of our instruction

We emphasize the integration of methodological strategies with the theoretical and practical concerns that arise in research on substantive issues. Our instructors are respected methodologists and educators from top-tier universities and institutions who are adept at making complex subject matter understandable.

### Opportunities for networking

We serve a diverse constituency of students, faculty, researchers, and policy analysts from more than 40 countries. Our casual, collaborative learning environment encourages the exchange of ideas about research policy and practice. Participants often tell us that they found a research partner, a mentor, a professional network, and lifelong friends while attending the ICPSR Summer Program.

Join us and discover why the ICPSR Summer Program is recognized throughout the world as the leading source for methodological training!



[icpsr.umich.edu/sumprog](https://icpsr.umich.edu/sumprog)



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734.763.7400



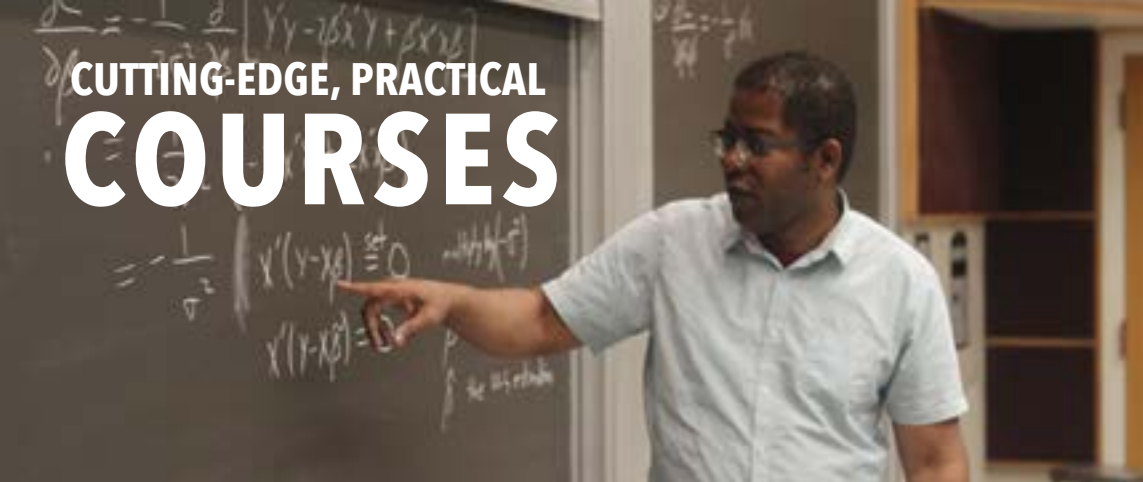
# ICPSR SUMMER PROGRAM



[www.icpsr.umich.edu/sumprog](https://www.icpsr.umich.edu/sumprog)

Hands-on Training in Statistical Techniques and Research  
Methodologies Used in the Social, Behavioral, and Medical Sciences

# CUTTING-EDGE, PRACTICAL COURSES



## CURRICULUM IS BROADLY DIVIDED INTO TWO CATEGORIES:

### Summer Camp for Nerds (a.k.a., Four-week Sessions)

An immersive learning experience unlike anything else, our four-week sessions (affectionately called “Summer Camp for Nerds”) allow you to focus on developing new methodological tools while building a community of friends, collaborators, and future colleagues. From mid-June through mid-August, we offer two consecutive four-week sessions on the University of Michigan campus in Ann Arbor. In-class instruction is accompanied by individual guidance from instructors and teaching assistants. Outside of the classroom, participants engage in group study sessions and evening lectures by respected researchers, as well as numerous social gatherings and excursions exploring Ann Arbor and the surrounding region’s myriad cultural, culinary, and recreational opportunities.

**Scholarships Available**

### Intensive Three- to Five-day Workshops

For those wanting to learn a specific methodological technique in just a few days, we offer dozens of short workshops from May through August in cities across the US and Canada. Our short workshops feature clear, insightful presentations of complex methods, taught by instructors who are enthusiastic about their material and responsive to participants’ questions and needs. Using lectures and hands-on exercises, our short workshop instructors translate their expertise into practical knowledge and skills participants can immediately apply to their own research.

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“The most meaningful moment of my ICPSR camp experience was the “Ah hah!” feeling I had when the instructors sat with me and helped me find an answer for myself. More important than just teaching me the material, they helped me build my self-confidence (which anyone who has ever dived headfirst into major statistical analyses knows is half the battle). For that, I will be eternally grateful.” ~Miranda Baumann

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## COURSE TOPICS INCLUDE:

- Bayesian Analysis
- Categorical Data Analysis
- Causal Inference
- Data Curation
- Field Experiments
- Game Theory
- Group-based Trajectory Models
- Growth Mixture Models
- Hierarchical Linear Models
- Item Response Theory
- Latent Class Analysis
- Latent Growth Curve Models
- Longitudinal Analysis
- Maximum Likelihood Estimation
- Missing Data
- Mixed Methods
- Multilevel Models
- Multivariate Models
- Network Analysis
- Qualitative Methods
- R Statistical Computing Environment
- Race, Ethnicity, & Quantitative Methodology
- Rational Choice Theories
- Regression Analysis
- Research Transparency & Reproducibility
- Scaling & Dimensional Analysis
- Simultaneous Equation Models
- Spatial Econometrics
- Statistics & Data Analysis
- Structural Equation Models
- Survival Analysis
- Text Analysis
- Time Series Analysis

Our four-week sessions also include supplementary lectures on calculus, computing, LaTeX, the R computing environment, and mathematics for social scientists.

For more information about our full schedule, registration, instructor bios, fees, and scholarships, go to our website.

VISIT US ONLINE AT  
**ICPSR.UMICH.EDU/SUMPROG**

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“The ICPSR Summer Program wonderfully combines cutting-edge statistical theory and practical issues that arise in substantive research with enthusiasm and a sense of community. It should be a regular pilgrimage for anyone who engages in social science research.” –

Aimée Bourassa

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