

# Epidemiology and Population Health Summer Institute at Columbia University

# SUMMER 2015

## JUNE 1 – JUNE 26

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**DISCOUNTS AND FULL COURSE SCHOLARSHIPS AVAILABLE FOR A LIMITED TIME**

EPIC provides opportunities to gain foundational knowledge and applied skills for advancing population health research. Our short courses are offered in New York City and in online distance learning formats.

### CLASSROOM

Week-long courses  
on campus in New York City

### DIGITAL

Month-long courses and short  
workshops available online  
anywhere in the world

### SATURDAYS

Single-day workshops on campus  
in New York City



[cuepisummer.org](http://cuepisummer.org)

# Classroom Courses

**AM** 8:30 AM - 12:30 PM

**PM** 1:30 PM - 5:30 PM

WEEK 1: JUNE 1-5	WEEK 2: JUNE 8-12	WEEK 3: JUNE 15-19	WEEK 4: JUNE 22-26
<b>AM</b> Comparative Effectiveness Research Methods	<b>AM</b> Epidemiologic Analysis Using SAS	<b>AM</b> Applied Regression	<b>AM</b> Applied Categorical Analysis
<b>AM</b> Introduction to Biostatistics	<b>AM</b> Study Design and Data Collection	<b>AM</b> Social Network Analysis*	<b>AM</b> e-Surveillance
<b>AM</b> Introduction to Observational Epidemiology	<b>PM</b> Agent-Based Models for Population Health*	<b>PM</b> Advanced Methods in Meta-Analysis	<b>AM</b> Natural Language Processing: Applications in Epidemiology
<b>AM</b> Reversing Obesity and NCD Epidemics	<b>PM</b> Epidemiological Analysis Using STATA	<b>PM</b> Cancer Epidemiology	<b>AM</b> Qualitative Research Methods
<b>AM</b> Systems Science & Population Health*	<b>PM</b> Spatial Analysis in Epidemiology	<b>PM</b> Multi-Level Modeling	<b>AM</b> Rethinking "Evidence Based Medicine"
<b>PM</b> Epidemiologic Analysis Using R	<b>PM</b> Systematic Reviews and Meta-Analysis		<b>AM</b> Survival Analysis
<b>PM</b> Geographic Information Systems*			<b>PM</b> Identifying and Analyzing Publicly Available Data
<b>PM</b> Program Evaluation for Public Health Professionals			<b>PM</b> Microbial Communities Profiling via QIIME

\* scholarships available for this course

## Saturday Workshops

SATURDAY, JUNE 6	SATURDAY, JUNE 13	SATURDAY, JUNE 20
Injury Epidemiology and Prevention	Analysis of Complex Survey Design	Epidemiology for Journalists, Writers & Health Communicators
Missing Data and Multiple Imputation	Implementation Science in Public Health Programs	Growth Curve Modeling
Sample Size Estimation and Power Calculations	Using R for Simulation	Infectious Disease Epidemiology
		Nutritional Epidemiology: Issues and Challenges
		Principles of Effective Data Visualization*

\* scholarships available for this course

## EPIC Digital

Full-length: Applied Regression	Full-length: Program Evaluation for Public Health Professionals
Full-length: Communicating Public Health in the Media	Full-length: Select Topics in Social Epidemiology
Full-length: e-Surveillance	Full-length: Survival Analysis
Full-length: Epidemiologic Analysis Using SAS	Short: Epidemiology for Journalists, Writers, and Health Communicators
Full-length: Introduction to Biostatistics	Short: Machine Learning
Full-length: Introduction to Epidemiological Methods	Short: Propensity Score Matching

FOR DETAILS VISIT [cuepisummer.org/courses](https://cuepisummer.org/courses)