



# Epidemiology and Population Health Summer Institute at Columbia University



**DIGITAL COURSE** OFFERED THROUGHOUT JUNE 2018

## Epidemiologic Analysis Using SAS

### DESCRIPTION

This online course will introduce participants to the basic concepts of using SAS statistical analysis software. The skills learned are intended to be foundational for individuals wishing to perform data manipulations and statistical analysis of epidemiological data. The material builds on concepts from introductory epidemiology and biostatistics. Sessions will be a combination of didactic lecture and hands-on application. Participants are required to have a computer with SAS version 9.2 or higher installed plus high speed internet access.

### INSTRUCTOR

▪ **Ryan Demmer, PhD, MPH**

### OBJECTIVES

By the end of the course, participants will be able to

- Read raw data into SAS
- Use the SAS statistical computing environment to enter, read, clean, manipulate, and explore epidemiologic data
- Understand the use of conditional expressions in SAS
- Apply statistical and graphical procedures for the descriptive analysis of normally distributed data
- Program and interpret analysis of variance (ANOVA), correlations, and linear regression models in SAS
- Apply basic approaches to identifying and correcting for confounding

EARLY DISCOUNTS  
AVAILABLE UNTIL  
APRIL 1, 2018

REGISTRATION OPEN  
THROUGH MAY 1, 2018

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