

## Epidemiology and Population Health Summer Institute at Columbia University



**ASYNCHRONOUS COURSE** OFFERED THROUGHOUT JUNE 2021

### 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.
- Manipulate and clean data sets in SAS through printing, sorting, merging and the use of conditional expressions.
- Apply simple statistical and graphical procedures for the descriptive analysis of normally distributed data.
- Conduct TTESTS and ANOVA analyses in SAS and interpret SAS output.
- Conduct basic linear regression analysis in SAS.
- Interpret SAS output for these analyses.

EARLY DISCOUNTS  
AVAILABLE UNTIL  
APRIL 1, 2021

REGISTRATION OPEN  
THROUGH MAY 1, 2021

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