

INTRODUCTION TO CLOUD COMPUTING WITH R IN GOOGLE CLOUD AND AMAZON WEB SERVICES

Course Presenter: Sounak Chakraborty

Associate Professor, University of Missouri, Columbia

The course will provide a gentle introduction of running R software/codes in cloud computing platform using Google Cloud (GC) and Amazon Web Services (AWS) for basic statistical modeling and calculations. R is one of the world's most popular open source statistical programming languages and is most widely used by academia and major companies.

Course topics will include:

- What is cloud computing and what are the benefits of using a cloud computing platform over traditional desktops and expensive clusters.
- A Basic Recap/Introduction of R
- Basic introduction to running R codes in Google Cloud (GC)
- Basic introduction to running R codes in Amazon Web Services (AWS)
- Under both GC and AWS we will learn how to use R for a) reading, manipulating, and output data files; b) simple statistical analysis (descriptive statistics, t-test, ANOVA, regression and classification methods); c) generating some basic plots for visualization (scatterplots, histograms, etc)



The course will be completely online and self-paced, so the participants can learn all materials at their own convenience from the comfort of their home. There will be a live Q&A interactive session where students can ask questions to the instructor. Instructions for recommended software and other course materials will be made available before the course. All recommended software will be open source and can be downloaded free of cost.

Ticket Prices

- University of Missouri System Students (undergrad and grad): \$30
- University of Missouri System Faculty and Staff: \$50
- Non-University of Missouri System Academic: \$100
- General Admissions Non-Academic: \$250

**TICKETS CAN BE PURCHASED
AT [EVENTBRITE.COM](https://www.eventbrite.com) BY
SEARCHING FOR THE TITLE OF
THE COURSE AND ON THE
STATISTICS WEBSITE AT
[STAT.MISSOURI.EDU](https://stat.missouri.edu)**

September 19, 2020, 9:00 am - 4:00 pm

The attendance cap is set at 150. All course materials, software requirements, and installation guidelines will be provided one week before the day of the short course through e-mail to the registered participants.

No refund will be issued after 09/11/2020, 4 pm (CST).

Questions about the course or purchasing tickets can be sent to umcasstat@missouri.edu



Statistics
University of Missouri