2024 Summer Online Data Science Program

NC State University Global Training Initiative

Program Dates

Aug.5- Aug.19, 2024

Program Cost

USD $1,280

Apply by:

July 1, 2024

Program Highlights

Learn and practice most in-demand data science skills with hands-on exposure to key tools and technologies including Python and Tableau. Our popular data science online program explores in-depth understanding in techniques of data, modeling, and visualization. Participants will learn data science applications and develop skills to take your career to the next level.

What You Will Learn:

- Explore statistics concepts, data handling, sampling techniques, fundamentals of programming & scripting in Python.
- Discover data using modeling, patterns, and algorithms and business applications techniques.
- Create quick data visualization using tools in Tableau with interactive dashboards to gain insights, show trends, and tell stories for real-world capstone projects and more.

Apply at: go.ncsu.edu/gti-datascienceapp

About NC State University

NC State is the largest four-year institution in North Carolina with more than 37,800 students representing 120 countries. We offer bachelor degrees in 101 fields; master degrees in 100 fields and PhDs in 61 fields.

As a Research I university, NC State is a key part of the Research Triangle region, which is home to industry leaders such as SAS, Cisco, IBM, GlaxoSmithKline and Lenovo.

NC State Statistics faculties have won prestigious national awards from the American Statistical Association and the National Science Foundation. Between 2003 and 2022, the Statistics Department was ranked as the top producer of statistics PhDs in the nation by Amstat News.

- #11 graduate Statistics program nationally (U.S. News & World Report)
- #20 in the world on a prestigious scorecard of international universities (Shanghai Jiaotong)

Statisticians Job Outlook

- Employment of statisticians is projected to grow 30% from 2022 to 2032, much faster than the average growth for all occupations.
- The expected growth will result from more widespread statistical analysis in order to make informed business, healthcare, and policy decisions.
- In addition, the large increase in available data from the web will open up new areas for data mining and analytics.

Quick Facts: Mathematicians and Statisticians

2022 Median Pay = $99,960 per year or $48.06 per hour
Typical Entry-level Education: Master's Degree
Work Experience in a Related Occupation: None
On-the-job Training: None
Number of Jobs in 2022: 35,600

NC STATE UNIVERSITY

Global Training Initiative

Contact For More Info:
lynn.wang@ncsu.edu

Program Calendar
(Lecture in morning 7:30-10:30 U.S. Eastern Time)

Jul. 29	**Aug. 1**	**Aug. 5**	**Aug. 6**	**Aug. 7**
NC State send out the orientation invitation & the Tableau and Python installation guide Download Zoom	9:00am-9:30am Testing Zoom session Install Python/Tableau	8:30am-9:15am Orientation (Live Lecture) 9:15am-10:00am Presentation skills workshop (Live Lecture)	7:30am-10: 30am Tableau (Live Lecture) Labs/projects	7:30am-10: 30am Tableau (Live Lecture) Labs/projects

Aug. 8	**Aug. 9**	**Aug. 12**	**Aug. 13**	**Aug. 14**
7:30am-10: 30am Tableau (Live Lecture) Labs/projects	7:30am-10: 30am Tableau Project 1 presentation (Live Lecture) Labs/projects	7:30am-10: 30am Python (Live Lecture) Labs/projects	7:30am-10: 30am Python (Live Lecture) Labs/projects	7:30am-10: 30am Python (Live Lecture) Labs/projects

Aug. 15	**Aug. 16**	**Aug. 18**	**Aug. 19**	
7:30am-10: 30am Python (Live Lecture) Labs/projects	7:30am-10: 30am Python (Live Lecture) Labs/projects	8:00am-9:00 am Q&A Work on your final presentation	7:30am-10: 00am Python Project 2 presentation (Live Lecture) 10:00am-10:30am Graduation Ceremony Program Evaluation and Feedback	

This program is offered exclusively to our partner universities' students. Applicants must have sufficient English communication skills (CET4 425, B1/B2, Duolingo 85, TOEIC 750, TOEFL55 or IELTS 5.5)

Evaluation Letter from the professor!

Zoom information Sessions:
3/4 8:30 am, 4/2 & 5/15 9:30 am EST
Meeting ID: 824 666 7307
Passcode: 2024SUM

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