



2023年夏季网络数据科学项目

北卡州立大学全球培训学院

2023年7月24日到8月7日

费用为每人1280美元

申请截至时间：
2023年6月15日

项目特点

- 内容为最新的数据科学技能，并实践包括Python和Tableau等关键工具和技术。
- 深入了解并让您精通数据分析技术，建模和可视化技术。
- 了解数据科学的应用程序，通过一些数据科学实际案例，使您在数据科学领域的职业更上一层楼

您将学习：

- 探索统计概念，数据处理，采样技术，Python的编程和脚本编写基础。
- 使用建模，模式，算法和业务应用程序技术发掘数据。
- 使用带有交互式报表的Tableau工具快速创建数据可视化，以获取观点，显示趋势并为真实的项目讲解数据背后的故事。



请在以下网站申请: go.ncsu.edu/gti-datascienceapp

北卡州立大学统计专业优势:

- 北卡州规模最大的大学。
- 学生人数36000，其中有来自120个国家的4000多名国际学生。
- 学士学位授权点101个；硕士学位授权点102个；博士学位授权点61个。

作为一个研究型大学，北卡州立大学是北卡州研究金三角地区非常重要的组成部分。该地区是众多行业领先公司的所在地，比如SAS, Cisco, IBM, GlaxoSmithKline 和Lenovo，他们也都是北卡州立大学的合作伙伴。北卡州立大学统计系的教师已获得美国统计协会和国家科学基金会的著名国家奖项。在2003年至2017年之间，该部门被Amstat News评为培养全美统计博士学位的顶尖机构。

- 统计研究生项目全美第11名 (美国新闻与世界报道)
- 在国际大学的高分榜上，世界排名第20 (上海交通大学排名)



统计师的工作前景:

- 从2021年到2031年，统计学专业的就业人数预计将增长31%，大大快于所有职业的平均水平。
- 预计增长将归因于更广泛地使用统计分析来制定明智的业务、医疗保健和政策决策。
- 此外，互联网上可用数据的大量增加将为统计分析提供新的领域

快速事实：数学专业和统计专业人员

2020年工资中位数 = 每年\$96,268美元

典型的入门职位教育背景要求: 硕士学位

工作经验要求: 不需要

在职培训要求: 不需要

NC STATE UNIVERSITY

Global Training Initiative

联系信息:

lynn.wang@ncsu.edu



项目安排：

(上课时间为美国东部时间上午8:00-11:00)

7/25	7/26	7/27	7/28	7/31
新生培训 演讲技巧讲座 Tableau (直播课程) 实验/实际动手	 Tableau (直播课程) 实验/实际动手	 Tableau (直播课程) 在线答疑 实验/实际动手	 美国研究生博士生申请和录取讲座 项目1最终演讲	 Python (直播课程) 实验/实际动手
8/1	8/2	8/3	8/4	8/7
 Python (直播课程) 实验/实际动手	 Python (直播课程) 实验/实际动手	 Python (直播课程) 实验/实际动手	 Python (直播课程) 在线答疑 实验/实际动手	 项目2最终演讲 结业典礼

该项目只对我们在中国的合作伙伴大学的学生开放，参加项目的学生需要具有一定的英文水平，至少通过英语4级/Duolingo 85

**教授提供表现评估信！
还有机会获得学术杰出奖项！**

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2023 Summer Online Data Science Program

NC State University Global Training Initiative

Program Dates

Jul. 24- Aug.7, 2023

Program Cost

USD \$1,280

Apply by:

Jun.15, 2023



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 36,000 students representing 120 countries. We offer bachelor degrees in 101 fields; master degrees in 102 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 2017, 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 31% from 2021 to 2031, 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

2021 Median Pay = \$96,268 per year

Typical Entry-level Education: Master's Degree

Work Experience in a Related Occupation: None

On-the-job Training: None

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Program Calendar

(Lecture in morning 8:00-11:00 U.S. Eastern Time)

Jul. 25	Jul. 26	Jul. 27	Jan. 28	Jan. 31
Orientation and Presentation Skills Workshop	Tableau (live lecture)	Tableau (live lecture) Q&A Hour	Project 1 Online Final Presentation	Python (live lecture)
Tableau (live lecture)	Project 1	Project 1	U.S. Graduate Admission Workshop	
Lab/hands on	Lab/hands on	Lab/hands on		Lab/hands on

Aug. 1	Aug. 2	Aug. 3	Aug. 4	Aug. 7
Python (live lecture)	Python (live lecture)	Python (live lecture)	Python (live lecture)	Project 2 Online Final Presentation
		Project 2	Q&A Hour	Graduation Ceremony Program Evaluation and feedback
Lab/hands on	Lab/hands on	Lab/hands on	Lab/hands on	

Get a Program Evaluation Letter from the professor!

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This program is offered exclusively to our partner universities' students. Applicants must have sufficient English communication skills (CET4, B1/B2, Duolingo 85, IBT 50, TOEIC 750 or IELTS 5.5)