



2024暑期网络数据科学项目

北卡州立大学全球培训学院

2024年8月5日到8月19日

费用为每人1280美元

申请截至时间：
2024年7月1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37800，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100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2022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2022年到2032年，统计学专业的就业人数预计将增长30%，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

2022年工资中位数 = 每年\$99,960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（美东时间）：

(上课时间为美国东部时间早上7:30-10:30)

| 7/29 | 8/1 | 8/5 | 8/6 | 8/7 |
|--|--|----------------------------------|---|-----------------------------------|
| 收到新生培训通知 与 the Tableau and Python 安装文件 | 9:00am-9:30am 测试 Zoom session 安装Python/Tableau | 8:30am-9:15am 新生培训（直播课程） | 7:30am-10: 30am Tableau (直播课程) | 7:30am-10: 30am Tableau (直播课程) |
| 下载 Zoom | | 9:15am-10:00am 演讲技巧讲座 (直播课程) | 实验/项目 | 实验/项目 |
| 8/8 | 8/9 | 8/12 | 8/13 | 8/14 |
| 7:30am-10: 30am Tableau (直播课程) | 7:30am-10: 30am Tableau 项目 1 演讲 (直播课程) | 7:30am-10: 30am Python (直播课程) | 7:30am-10: 30am Python (直播课程) | 7:30am-10: 30am Python (直播课程) |
| 实验/项目 | 实验/项目 | 实验/项目 | 实验/项目 | 实验/项目 |
| 8/15 | 8/16 | 8/18 | 8/19 | |
| 7:30am-10: 30am Python (直播课程) | 7:30am-10: 30am Python (直播课程) | 8:00am-9:00 am 答疑 | 7:30am-10: 00am Python 项目 2 演讲 (直播课程) | |
| 实验/项目 | 实验/项目 | 准备最终演讲 | 10:00am-10:30am 毕业典礼 项目评估和反馈 | |

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 425, Duolingo 85, B1/B2, TOEIC 750, TOEFL 55 或者 IELTS 5.5)

教授提供表现评估信！
还有机会获得学术杰出奖项！

项目说明会：
3/4 4/2 & 5/15 北京时间晚上9:30
Zoom Meeting ID: 824 666 7307
Passcode: 2024SUM

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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

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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 | 9:00am-9:30am Testing Zoom session Install Python/Tableau | 8:30am-9:15am Orientation (Live Lecture) | 7:30am-10: 30am Tableau (Live Lecture) | 7:30am-10: 30am Tableau (Live Lecture) |
| Download Zoom | | 9:15am-10:00am Presentation skills workshop (Live Lecture) | Labs/projects | Labs/projects |
| Aug. 8 | Aug. 9 | Aug. 12 | Aug. 13 | Aug. 14 |
| 7:30am-10: 30am Tableau (Live Lecture) | 7:30am-10: 30am Tableau Project 1 presentation (Live Lecture) | 7:30am-10: 30am Python (Live Lecture) | 7:30am-10: 30am Python (Live Lecture) | 7:30am-10: 30am Python (Live Lecture) |
| Labs/projects | Labs/projects | Labs/projects | Labs/projects | Labs/projects |
| Aug. 15 | Aug. 16 | Aug. 18 | Aug. 19 | |
| 7:30am-10: 30am Python (Live Lecture) | 7:30am-10: 30am Python (Live Lecture) | 8:00am-9:00 am Q&A | 7:30am-10: 00am Python Project 2 presentation (Live Lecture) | |
| Labs/projects | Labs/projects | Work on your final presentation | 10:00am-10:30am Graduation Ceremony Program Evaluation and Feedback | |

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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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)