

The Department of Mathematics and Statistics



THE DEPARTMENT OF MATHEMATICS AND STATISTICS INVITES APPLICATION FOR:

STATISTICS REU

MAY 22 – JULY 28, 2023

Program Focus:

Complex Data Analysis using Statistical and Machine Learning Tools

Program Topics:

High Dimensional Data Analysis, Machine Learning, Robust Data Analysis, Genetics, Topological Data Analysis, and Data Confidentiality

Mentors:

- Dr. Sat Gupta
<http://www.uncg.edu/~sngupta/>
- Dr. Scott Richter
<http://www.uncg.edu/~sjricht2/>
- Dr. Jianping Sun
mathstats.uncg.edu/people/directory/sun
- Dr. Thomas Weighill
<https://sites.google.com/view/thomasweighill/>
- Dr. Sadia Khalil
<https://sites.google.com/view/sadia-khalil>

Support:

Stipend: \$6,000; Travel to and from Greensboro and to conferences: \$1,100; Subsistence and housing: \$3,140

Housing: apartments on campus • 2-4 students • divided by gender • private rooms

Eligibility:

- Must be a US Citizen or Permanent Resident (Green card).
- Must have completed at least 30 College credits by the end of Spring 2023 with a minimum GPA of 3.0, preferably both math/stats and overall GPA.
- Should have completed a probability and statistics and a calculus course.
- Should have some programming experience, such as SAS, R, Python. We will reinforce programming skills through our own workshops.