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

**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.

**Application Deadline:**
Review of applications will begin February 28, 2023 and will continue until all slots are filled.

[https://mathstats.uncg.edu/statistics-reu/reu-2023/](https://mathstats.uncg.edu/statistics-reu/reu-2023/)

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