

# The Department of Mathematics and Statistics



THE DEPARTMENT OF MATHEMATICS AND STATISTICS INVITES APPLICATION FOR:

## STATISTICS REU

MAY 23 – JULY 31, 2020

### Program Focus:

Complex Data Analysis using Statistical and Machine Learning Tools

### Project Topics:

High Dimensional Data Analysis; Statistical Genetics; Subdata Selection; Data Confidentiality through Randomized Response Models; Machine Learning; Nonparametric Methods

### Mentors:

- Dr. Sat Gupta  
<http://www.uncg.edu/~sngupta/>
- Dr. Xiaoli Gao  
[http://www.uncg.edu/~x\\_gao2/](http://www.uncg.edu/~x_gao2/)
- Dr. John Stufken  
[mathstats.uncg.edu/people/directory/stufken/](http://mathstats.uncg.edu/people/directory/stufken/)
- Dr. Somya Mohanty  
<http://www.somyamohanty.com/>
- Dr. Scott Richter  
<http://www.uncg.edu/~sjricht2/>
- Dr. Jianping Sun  
[mathstats.uncg.edu/people/directory/sun](http://mathstats.uncg.edu/people/directory/sun)

### Support:

- Stipend- \$6000; Travel to and from Greensboro and to conferences- \$1000; Subsistence and housing- \$1700

**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 2020 with a minimum GPA of 3.0, preferably both math/stats and overall GPA.
- Ideally should have had some experience with probability, statistics, calculus and programming such as R or Python. We will also offer our own programming workshops.



**Application Deadline: February 8, 2020**  
<http://mathstats.uncg.edu/StatisticsREU2020/>  
Email Contact: [sngupta@uncg.edu](mailto:sngupta@uncg.edu)

