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/](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  
- Dr. Scott Richter  
  [http://www.uncg.edu/~sjricht2/](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
Email Contact: sngupta@uncg.edu