

Statistical Analyst

Vacancy Type: Part Time (10-20hrs/wk.)
Time Period: September 2015 – May 2016
Schedule: Flexible
Pay Rate: \$16-\$18/hr.
Work Location: ITRE, Centennial Campus, Raleigh

Description

Provide assistance with geospatial statistical analysis and research in support of traffic safety projects. Candidate will work principally on two projects:

1. **GIS Crash Analysis** – The goal of this project is to identify specific road segments where traffic crashes are high. Candidate will work closely with GIS team lead to identify and implement appropriate methodologies. Products may include a crash rate index, crash hot spots, hierarchical clusters,
2. **Inspection Allocation Model** – The goal of this project is to identify optimum locations and numbers of Highway Patrol personnel resources for maximizing the impact of inspection activities on reducing truck crashes.

Tasks:

- Identify and implement methodologies for supporting GIS analysis
- Provide guidance and calculations for building statistical analysis products
- Conduct literature reviews

Requirements:

- B.S. in Statistics, Mathematics, GIS, Informatics or related field
- Strong statistics, analysis and research skills
- Strong analytical and critical thinking skills to draw conclusions based on the findings
- Solid communication skills for effectively presenting findings

Applicants must be a current student

To apply, provide a resume (***include graduation date***) to:

Greg Ferrara, Program Manager
Institute for Transportation Research and Education
gpferrar@ncsu.edu