

GEOG 4195 – Geospatial Data Analytics & Visualization is a new methodological area that has exploded with the widespread availability of big data and cloud-based analytic programs.

This course will address several questions, including:

- How do I explore data to discover patterns and explain their meaning?
- How do I effectively organize and manage geospatial data?
- How do I effectively convey information and patterns in datasets?

Examines the practical challenges related to geospatial data acquisition, management, analysis and visualization will be explored. Students will be introduced to a variety of database management, analytical, and visualization techniques using both open source and proprietary platforms, such as Tableau and Alteryx. Students will produce a range of different outputs including online geodatabases and interactive dashboards.