

GEOG 4185 – Statistical Research Methods in Geography is designed to immerse students in descriptive and inferential statistics in a problem-oriented research context, primarily within geography. In order to succeed in the course, students must comprehend and be able to communicate the complete analytical process from:

1. *Framing a research question*
2. *Generating statistical hypotheses related to that research question*
3. *Choosing the appropriate statistical test to test those hypotheses*
4. *Interpreting results of the statistical test*
5. *Drawing conclusions from the analysis*

Students who fully understand the subject matter should be able to accomplish each of these tasks by the end of the class and should be able to read and comprehend analytical publications including scholarly journal articles and research reports that incorporate the use of basic quantitative analyses