

You will turn in one individual project and one group project.

**Individual Project (30 points):** You will read 3 reference papers from the list <http://www.stat.purdue.edu/~zhanghao/ASS/SPP.html>. Write a report on each of the papers you read.

Your reports should

- Include the complete citations of the papers and be 2 to 5 pages in length for each reference paper.
- Give a brief introduction to the research problem, and the statistical method, the conclusion and some comments on the statistical methodology (appropriateness, alternatives, completeness, etc).

Grading of individual projects will be based on completeness, understanding and writing quality.

**Group Project (40 points):** You will work with 2 or 3 people to turn in one group project. Your group project should consist of an analysis of an interesting real spatial data. Your report should be 5-10 pages excluding the appendix.

- Specify the source of the data set.
- State the research objective.
- Give a sufficient description of the statistical method used to analyze the data.
- Perform the right statistical analysis and present your results appropriately.
- Attach the computer code to the appendix.

Grading of the group project will be based on novelty, correctness, completeness and writing quality.

**Due dates:** April 29 for individual project and May 2 for group project.

Individual projects must be printed while the group project can be turned in through email to [zhanghao@purdue.edu](mailto:zhanghao@purdue.edu).