

## STAT 571B

### Project Instructions

1. Course project is required for every student in this class.
2. Each group consists of 2 students (students from different areas are highly encouraged to work together).
3. The project consists of presentation and report and both will be evaluated.
4. The reports will be due last day of class. The report format should be single-spaced and about 4~5 pages, including figures, tables, and references. SAS code needs to be attached as appendix.
5. Presentation will be scheduled the last week of class. Each group will have ~15 minutes for presentation. Remember to carefully arrange your presentation flow and especially practice in advance. PowerPoint slides need to be emailed to the instructor after presentation.

Project is built around the seven-step approach:

- Problem definition
- Identify design factors and their roles
- Identify response variables
- Select design
- Conduct experiment
- Analyze data
- Conclusions and recommendations

Each group need to email the instructor by **April 1<sup>st</sup>** about the group members' names and what project you would like to do.

Topics could be, but not limited to:

- “Popcorn brands”
- “Cupcake Height”
- “Is it Better to Chip or Putt?”
- “Pavement Deformation”
- “Swimming”
- “3 points shooting”