

# MSc Statistics Summer Projects

## Submission of Proposals

The project proposal should be a word processed document taking up one-side of A4 paper. The purpose is to describe a problem that you think merits investigation. It is an opportunity for you to convince us that you have the interest and the ability to pursue a project successfully. The proposal must be submitted to me by **Monday 23rd November 2009**. MSc projects usually fall into one of two broad categories.

- **Data Analysis:** For this type of project you will require a large, complex data set that provides plenty of scope for interesting analysis. The software used for a data analysis project may be a standard package although some programming is often required. The project proposal should contain:
  1. a description of the data set,
  2. details of aspects of the data that merit further investigation,
  3. a summary of the tools you plan to use to analyze the data.
- **Simulation:** This type of project involves using simulation to determine the properties of statistics that are not readily calculated analytically. You will be required to carry out extensive computational work involving a high level language, such as R. The project proposal should contain:
  1. a description of the statistic/statistics that you plan to investigate,
  2. details of the background of your statistic including at least two references,
  3. a summary of the tools you plan to use to perform simulation.