



School of Civil Engineering

CE615 – Statistical and Econometric Methods II

Research Paper Guidelines

1. Any problem involving the statistical analysis of data using techniques covered in the class is acceptable. Data could be drawn from a database accessible to the student or from the many databases available online in the CE614 and CE615 websites (one could model different variables, explore different model forms, etc.).
2. It is important for your research paper to be well structured. Although each paper will be different, most papers should have:
 - **Motivation:** including the significance of the problem and who is likely to be interested in the solution.
 - **Data Description:** discuss the source of the data and provide general information on the sample (number of observations, means, etc.).
 - **Methodology:** describe the methodology you propose to use and why.
 - **Estimation Results:** describe the estimation results in detail and make sure the variables are well defined.
 - **Implications of Findings:** discuss the major findings, providing supporting information (marginal effects, elasticities, etc.) if appropriate.
 - **Summary and Conclusions:** briefly summarize your findings and draw appropriate conclusion.
3. The paper should be 10 to 15 pages typed (including figures and tables). Try to be succinct and to the point but be careful not to leave out important information. Present only finalized model(s) (no intermediate estimations), Make sure tables are complete with detailed variable definitions, and software-generated results should be included in an appendix.