

Presentation/Project Information

STAT 3013/4027/8027

- The presentation is based on groups of 4.
- The presentations will take place during Weeks 12 and 13.
- The presentation will consist of a 20 minute talk based on the scientific paper your group has decided to review.
- Additionally you should conduct and present some type of “extension” based on the paper. The extension may be conducted in a number of ways, a few of which are:
 - applying the method to the same data set as outlined in the scientific paper and coding the estimation procedure (if the author has not provided code [this is likely the most difficult to do]);
 - applying the method to a different data set based on code that the author has made available;
 - simplifying the problem and considering other estimation procedures and their consequences (while the “true” problem may consist of non-iid data, what can you do if the data were iid?);
 - considering visualizations of the data and/or results from an analysis.
- When putting together your presentation keep in mind the process we have discussed in class:
 - What is the scientific question?
 - How were the data collected? What is the structure of the data?
 - How does the statistical model work to combine an answer to the scientific question and the structure of the data?
 - What is the estimation procedure?
 - What type of computation was involved?
 - Was any type of model checking considered? (If not, then explaining [and perhaps doing] some model checking would be a good extension.)
 - What were the results of the study?
- The Joint Statistical Meeting website also has guidelines for giving a presentation. These may be useful for you to consider. Remember though, you will have 20 minutes (not the standard 15 minutes) and you are presenting on someone else’s work (except for your “extension”):

<http://www.amstat.org/meetings/jsm/2015/effectivepresentations.cfm>
- Each member of your group must participate (speak) during the presentation.
- Each member of the group must upload presentation materials to Wattle at the beginning of Teaching Week 12.