

# MATH 533 : Assignment 3

**Due Wednesday, November 20th, at 11:59 pm.**

**Total:** 100 points.

**Instructions:** This assignment aims to deepen your knowledge of a topic of your interest related to linear regression. **This is to be done by group of three, as in the coding project.** To that aim, it is asked that you choose an article or related document (lab report, etc.) treating of a subject related to linear regression, either from a theoretical or applied point of view.

You will then write a small report of a few pages (no upper or lower limit on the length) where you will discuss, develop, or summarize some parts of the article. You may, for instance, choose to reproduce a proof and discuss its implications, reproduce/extend a simulation study, or do something else.

The quality, seriousness, and redaction will be taken into account in the grading. You will find attached a selection of articles. You may pick one of them, or you are also welcome to choose other articles that you find interesting and that fit the above description. In case of doubt, please do not hesitate to let me know.

Your submission will contain both the report and the article that you used.