

# ST3131: Regression Analysis

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Office Hour: 10-12, 14-17, Monday-Friday

## **References**

Textbook: *Applied Linear Statistical Models* by Kutner, Nachtsheim, Neter and Li, 2005, McGRAW-Hill.

Supplementary reading: *Applied regression Analysis* by N. R. Draper and H. Smith.

Supplementary reading: *Linear Regression Analysis* by Seber and Lee, Wiley.

Supplementary reading: *Linear Models with R* by Julian J. Faraway, Chapman&Hall/CRC.

## **Tentative Syllabus**

- simple linear regression,
- multiple regression,
- model building and regression diagnostics.
- qualitative variable and transformation of variables

**Statistical Software:** R

## **Grading Policy**

midterm and tutorial attend. 30%.

Homework/project 10%.

Final exam. 60%.