STA0067: Regression Analysis 2

Course Syllabus - Spring 2024

Instructor : Kipoong Kim

Office Hours : Friday: 09:00 - 12:00 PM, and by appointment

Office : Room 411, Building 32

E-mail : kkp7700@gmail.com

Lecture Hours : Tuesday 16:30–17:45, and Thursday, 15:00–16:15 PM

Prerequisite : Calculus, Introduction to Statistics, Linear Algebra

Textbook : No textbook is required in this course.

References :

- Seber, G. A., & Lee, A. J. (2012). Linear regression analysis. John Wiley & Sons.
- Dunn, P. K., & Smyth, G. K. (2018). Generalized linear models with examples in R (Vol. 53). New York: Springer.
- Strang, G. (2022). Introduction to linear algebra. Wellesley-Cambridge Press.

Course Schedule :

Weeks	Agenda	Assignments	Remarks
Week 1	Introduction		
Week 2	A reveiw on linear algebra	Assignment 01	
Week 3	Distributions		
Week 4	Simple linear regression model	Assignment 02	
Week 5	Multiple linear regression model		
Week 6	Multiple linear regression model		
Week 7	Multiple linear regression model	Assignment 03	
Week 8	Midterm Exam		4/23
Week 9	Generalized linear model		
Week 10	Generalized linear model		
Week 11	Generalized linear model		
Week 12	Generalized linear model	Assignment 04	
Week 13	Regression for non-Euclidean data		
Week 14	Regression for non-Euclidean data		
Week 15	Make-up week		
Week 16	Final Exam		6/18

Exam Schedule :

- **Midterm Exam: Tuesday, April 23, 16:30 – 17:30 PM**
- **Final Exam: Tuesday, June 18, 16:30 – 17:30 PM**

Exam Policy :

- **All exams are open book.**
- **You must take the final exam to pass this course.**

Grading Policy :

- **Evaluation**:
  - **Attendence (10%)** : Poor attendance will result in an F grade.
  - **Homework (30%)** : **Late or Copying HW** is NOT accepted
  - **Midterm (30%)**
  - **Final (30%)**
- (Tentative) **Final Course Grade**

  A+ : less than 30%

  B+ : less than 40%

  C+ : less than 30%

  F : Total score ≤ 20 (if MAX = 100)