STA 568

Regression Modeling & Analysis

Instructor:

Dr. Ferry Butar, Lee Drain Building 439C, Phone 294-1596.
Email: butar@shsu.edu

OFFICE HOUR: LDB 439C

M, W: 8:00 - 9:00 a.m., 10:00 - 11:00 a.m., and 1:00 - 2:00 p.m.
F: 8:00 - 9:00 a.m., 10:00 - 11:00 a.m., or by appointment.

CLASS HOUR:

LDB 201: M W: 3:00 - 4:30 p.m.

Required books:


Related References:

Ryan, T.P., Modern Regression Analysis.
Neter, J., at al., Applied Linear Statistical Models.

COURSE DESCRIPTION:

The major objective of this course is understanding of statistical theory and its applications. It covers the standard foundational concept in regression analysis such as estimation and testing, simple and multiple regression models, residual analysis, general linear model, analysis of variance and covariance, multicollinearity, ridge regression, etc.
COURSE OUTLINE:

I will cover most of the material in Chapters 1 through 26.

Approach:

Lectures on New Concepts and applications,
Assigned problems for experience and familiarities with techniques,
Classroom discussions,
Examimations to demonstrate understanding and ability to utilize methods.

GRADING POLICY:

During the semester, there will be homeworks, three in-class exams and a cumulative final exam. You are allowed to use two (8½ × 11) of notes.

If you are unable to take a test on the scheduled time because of illness, accident, or circumstances beyond your control, notify me by telephone before the test is given. A make-up test will be scheduled as soon as possible.

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<td>HW</td>
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<td>First Mid-Term Exam</td>
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<td>Second Mid-Term Exam</td>
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<td>Third Mid-Term Exam</td>
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<td>Final Exam</td>
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<td>Wed, May, 12:00-2:00</td>
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Your final course will be determined by your cumulative score out of a maximum possible of 600. There is no set formula used to determine the letter grade for the course, but the following are some guidelines,

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<td>≤ 359</td>
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Homework Assignments

Most of your assignments will involve SAS

Academic Honesty — All work that is handed in for evaluation is to reflect solely your individual performance.