

Course Number

STA-264-01

Course Description

Regression analysis is one of the most important and influential methods in statistics, finding application in virtually all disciplines, from business to healthcare to sociology to the hard sciences. This course will cover both the science of regression analysis - its underlying mathematical theory, as well as the art of its practical application. The course project will involve development of a regression model to fit a real data set. Lectures will be given primarily in matrix notation, i.e., using linear algebra. While the course will not be all-encompassing in itself due to time constraints, it would be good preparation for more advanced modeling courses involving data mining, machine learning, Big Data, and so on. Prior understanding of statistical concepts is assumed

Academic Term

20/WI

Instructor

Hoerl, Roger

Location & Meeting Time

Bailey Hall-100+ M/W/F 01:50PM-02:55PM LEC

Petition

N

Credits

1.00

Capacity

20

Total Students

24

Additional Information

<http://muse.union.edu/mathematics>

Academic Department

Mathematics

Field Of Study

Statistics (STA)