This course will introduce you to business statistics, or the application of statistics in the workplace. Statistics is a course in the methods for gathering, analyzing, and interpreting data. You’ll also explore basic probability concepts, including measuring and modeling uncertainty, and you’ll use various data distributions, along with the Linear Regression Model, to analyze and inform business decisions.

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COURSE PLAN :

Week 01 : Introduction, data collection and presenting data in tables
Week 02 : Numerical descriptive measures and basic probability
Week 03 : Discrete and continuous probability distributions
Week 04 : Sampling and sampling distributions
Week 05 : Confidence interval estimation
Week 06 : One sample tests and hypothesis testing
Week 07 : Two sample tests means
Week 08 : Two sample tests proportions and variance
Week 09 : ANOVA
Week 10 : Chi-Square tests
Week 11 : Simple linear regression
Week 12 : Multiple regression basics