MTH 252: Statistics for Decision Making

This course demonstrates the use of statistical methods in business decision-making situations. Topics included are: sampling and estimation; hypothesis testing; linear regression and correlation; contingency tables; and statistical quality control. Prerequisite(s): a grade of C- or higher in MTH 251. Three lecture hours per week.

Course Student Learning Outcomes

1. Find and interpret confidence intervals to estimate population parameters.
2. Perform hypothesis tests on one and two samples.
3. Perform linear regressions and interpret results.
4. Perform ANOVA tests.

5. Develop and analyze statistical control charts.
Credits: 3
Program: Mathematics