STAT 152 - Introduction to Statistics (3 Credits)

DESCRIPTION:

Basic probability and statistical methods with applications (possibly with computers), descriptive statistics, graphic presentation of data, point and interval estimation, hypothesis testing, linear regression and other special topics. Prerequisite: Math 124 or Math 126 or Math 128 all with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

TEXT:

To be announced in class.

NOTE: Full-time instructors have the right to use no text or a different text.

OUTLINE:

To be announced in class.

OUTCOMES:

a. Understand and apply basic probability and statistical methods.
b. Interpret and present data using descriptive statistics and graphs.
c. Construct point and intervals estimation for parameters based on data.
d. Conduct hypothesis testing using data.
e. Analyze data using appropriate statistical analyses such as linear regression.

EVALUATION:

Grades will be determined by student performance in one or more of the following areas: in-class tests, take-home tests, homework assignments, quizzes, special projects, papers, attendance, and class participation. Degree of importance and types of assessment used will depend on the instructor.

This course satisfies or partially satisfies the Math component of a degree or certificate program at CSN.

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