

MATH& 146 : Introduction to Stats

Credits 5

Quarter Offered Fall, Winter, Spring, Summer

Introduction to methods and applications of elementary descriptive and inferential statistics; summarizing data graphically and numerically, probability, confidence intervals, hypothesis testing, correlation and linear regression. This class may include students from multiple sections. (Quantitative Skills, Natural Sciences, Elective)

Prerequisites

P in [MATH 90/91](#) or equivalent

Course Outcomes

- Communicate statistical ideas with appropriate notation and terminology.

- Describe, interpret and analyze data for one and two variables using verbal, numerical, and graphical representations.

- Examine populations by analyzing probability and randomness in data.

- Apply and interpret a variety of inferential statistical techniques.

- Determine, analyze, and apply correlation and linear regression models.

- Analyze and assess statistical arguments like those found in the popular press as well as in scholarly publications.

- Use technology appropriately and efficiently.