Statistics

Course Description

This course is designed to offer students the skills necessary to interpret and critically evaluate statistics commonly used to describe, predict, and evaluate data in an information-driven environment. The focus is on the conceptual understanding of how statistics can be used and how to evaluate statistical data.

ACE Course/Exam Number: PLNS-0086

NOTE: The course is listed as Propero eCollege with eText for Statistics 3.0 for Strayer University on the Pearson store

This course includes the following eText:


Course Learning Outcomes

Upon completion of this course, the student will be able to:

- Explain the fundamentals of a statistical study
- Describe data sets and their measures in different forms
- Use descriptive statistics to describe and make statements about the data set
- Interpret probabilities outcomes
- Describe a normal distribution and make calculations using z-scores
- Use inferential statistical tests to describe population parameters
- Construct confidence intervals and use them to interpret population means
- Formulate null and research hypotheses for claims made about population means
- Use an appropriate statistical technique to test a hypothesis
- Describe the linear association for a set of paired data
- Calculate and interpret the chi-square test of independence
- Use Excel to organize data and to calculate and interpret statistical tests