

1. Record Nr.	UNISA996392124203316
Autore	L. P (Laurence Price), <fl. 1625-1680?>
Titolo	A new Spanish tragedy. Or, more strange nevves from the narrow seas [[electronic resource]] : discovering tvvo most dreadfull sea fights between the Spaniard and the Hollander, the first happened on September the 6, and the second upon Friday the 11 of October last, in vvhich were many 1000 slaine, and of the Spaniards was 16 ships grounded, 28 fired, some sunke into the sea, and some taken. To the tune of the Angel Gabriel
Pubbl/distr/stampa	London, : Printed for Samuel Rand on Holborne Bridge, [1639]
Descrizione fisica	1 sheet ([1] p.) : ill
Soggetti	Ballads, English - 17th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	L. P. = Laurence Price. Publication date from STC. Reproduction of the original in the Bodleian Library.
Sommario/riassunto	eebo-0014

2. Record Nr.	UNISA996495169903316
Autore	Magrab Edward B.
Titolo	Engineering statistics : an introduction / / Edward B. Magrab
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783031050107 9783031050091
Descrizione fisica	1 online resource (176 pages)
Soggetti	Engineering - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Contents -- Chapter 1: Descriptive Statistics and Discrete Probability Distributions -- 1.1 Introduction -- 1.2 Definitions -- 1.3 Statistical Measures and the Display of Data -- 1.3.1 Histograms -- 1.3.2 Sample Median and Quartiles -- 1.3.3 Sample Mean and the Expected Value -- 1.3.4 Sample Variance -- 1.3.5 Probability Mass Function -- 1.3.6 Independent Random Variables -- 1.3.7 Unbiased Variance -- 1.4 Binomial and Poisson Distributions -- 1.4.1 Binomial Distribution -- 1.4.2 Poisson Distribution -- 1.5 Definitions Regarding Measurements -- 1.6 Exercises -- Chapter 2: Continuous Probability Distributions, Confidence Intervals, and Hypothesis Testing -- 2.1 Introduction -- 2.2 Continuous Probability Distributions -- 2.2.1 Introduction -- 2.2.2 Definitions Using Continuous Probability Distributions -- 2.3 Normal Distribution -- 2.3.1 Normal Distribution -- 2.3.2 Combining Independent Normally Distributed Random Variables -- 2.3.3 Probability Plots for the Normal Distribution -- 2.3.4 Central Limit Theorem -- 2.3.5 Lognormal Distribution -- 2.4 Chi Square Distribution -- 2.5 Student t Distribution -- 2.6 Differences in the Means -- 2.6.1 Paired Samples -- 2.7 f Distribution -- 2.8 Weibull Distribution -- 2.9 Hypothesis Testing -- 2.9.1 Introduction -- 2.9.2 p-Value -- 2.9.3 Examples of Hypothesis Testing -- 2.9.4 Type I and Type II Errors -- 2.10 Exercises -- Reference -- Chapter 3: Regression Analysis and the Analysis of Variance -- 3.1 Introduction -- 3.2 Simple

Linear Regression and the Analysis of Variance -- 3.2.1 Simple Linear Regression -- 3.2.2 Analysis of Variance (ANOVA) -- 3.2.3 Analysis of Residuals -- 3.3 Multiple Linear Regression -- 3.4 Exercises -- Chapter 4: Experimental Design -- 4.1 Introduction -- 4.2 One-Factor Analysis of Variance -- 4.3 Randomized Complete Block Design -- 4.4 Two Factor Experiment.

Sommario/riassunto

This book presents a concise and focused introduction to engineering statistics, emphasizing topics and concepts that a practicing engineer is mostly likely to use: the display of data, confidence intervals, hypothesis testing, fitting straight lines to data, and designing experiments to find the impact of process changes on a system or its output. It introduces the language of statistics, derives equations with sufficient detail so that there is no mystery as to how they came about, makes extensive use of tables to collect and summarize important formulas and concepts, and utilizes enhanced graphics that are packed with visual information to illustrate the meaning of the equations and their usage.
