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   Autore   Newton Isaac

   Titolo   Minitab cookbook : over 110 practical recipes to explore the vast array
                   of statistics in Minitab 17 / / Isaac Newton

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   Descrizione fisica 1 online resource (338 p.)

   Collana   Quick answers to common problems

   Disciplina   519.502855369

   Soggetti   Statistics - Data processing

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

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   Note generali   "Quick answers to common problems"--Cover.
                   Includes index.

   Nota di contenuto   Cover; Copyright; Credits; About the Author; About the Reviewers;
                       www.PacktPub.com; Table of Contents; Preface; Chapter 1: Worksheet,
                       Data Management, and the Calculator; Introduction; Opening an Excel
                       file in Minitab; Opening data from Access using ODBC; Stacking several
                       columns together; Stacking blocks of columns at the same time;
                       Transposing the columns of a worksheet; Splitting a worksheet by
                       categorical column; Creating a subset of data in a new worksheet;
                       Extracting values from a date/time column; Calculator - basic
                       functions; Calculator - using an if statement
                       Coding a numeric column to text valuesCleaning up a text column with
                       the calculator; Chapter 2: Tables and Graphs; Introduction; Finding the
                       Tally of a categorical column; Building a table of descriptive statistics;
                       Creating Pareto charts; Creating bar charts of categorical data; Creating
                       a bar chart with a numeric response; Creating a scatterplot of two
                       variables; Generating a paneled boxplot; Finding the mean to a 95
                       percent confidence on interval plots; Using probability plots to check
                       the distribution of two sets of data; Creating a layout of graphs;
                       Creating a time series plot
                       Adding a secondary axis to a time series plotChapter 3: Basic Statistical
                       Tools; Introduction; Producing a graphical summary of data; Checking
                       if data follows a normal distribution; Comparing the population mean
                       to a target with a 1-Sample t-test; Using the Power and Sample Size

tool for a 1-Sample t-test; Using the Assistant menu for a 1-Sample t-test; Looking for differences in the population means between two samples with a 2-Sample t-test; Using the Power and Sample Size tool for a 2-Sample t-test; Using the Assistant menu to run the 2-Sample t-test

Finding critical t-statistics using the probability distribution plotFinding correlation between multiple variables; Using the 1 Proportion test; Graphically presenting the 1 Proportion test; Using the Power and Sample Size tool for a 1 Proportion test; Testing two population proportions with the 2 Proportions test; Using the Power and Sample Size tool for a 2 Proportions test; Using the Assistant menu to run a 2 Proportions test; Finding the sample size to estimate a mean to a given margin of error; Using Cross tabulation and Chi-Square

Using equivalence tests to prove zero difference between the mean and a targetCalculating the sample size for a 1-Sample equivalence test; Chapter 4: Using Analysis of Variance; Introduction; Using a one-way ANOVA with unstacked columns; Calculating power for the one-way ANOVA; Using Assistant to run a one-way ANOVA; Testing for equal variances; Analyzing a balanced design; Entering random effects model; Using GLM for unbalanced designs; Analyzing covariance; Analyzing a fully nested design; The repeated measures ANOVA - using a mixed effects model; Finding the critical F-statistic

Chapter 5: Regression and Modeling the Relationship between X and Y

Sommario/riassunto	This practical cookbook covers a broad range of topics in an easy-to-understand manner. Step-by-step instructions guide you through even the most complicated of tools in Minitab.This book is great for anyone who is familiar with statistics and who wants to learn how Minitab works. Whilst you do not need to be an expert in all areas of statistics, you should understand the basics of the chapters you are interested in.