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Nota di contenuto	Front Cover -- Half-Title Page -- LICENSE, DISCLAIMER OF LIABILITY, AND LIMITED WARRANTY -- Title Page -- Copyright Page -- Dedication -- Contents -- Preface -- CHAPTER 1: Working with Data -- What is Data Literacy? -- Exploratory Data Analysis (EDA) -- Dealing with Data: What Can Go Wrong? -- An Explanation of Data Types -- Working with Data Types -- What is Drift? -- Discrete Data Versus Continuous Data -- Binning Data Values -- Correlation -- Working with Synthetic Data -- Summary -- CHAPTER 2: Introduction to Probability -- What is Set Theory? -- Open, Closed, Compact, and Convex Sets (Optional) -- Concepts in Probability -- Set Theory and Probability -- Coin Tossing Probabilities -- Dice Tossing Probabilities -- Card Drawing Probabilities -- Container-Based Probabilities -- Children-Related Probabilities -- Summary -- CHAPTER 3: Introduction to Statistics -- Introduction to Statistics -- Basic Concepts in Statistics -- The Variance and Standard Deviation -- The Moments of a Function (Optional) -- Random Variables -- Multiple Random Variables -- Sampling Techniques for a Population -- What is Bias? -- Two Important Results in Probability -- Summary -- CHAPTER 4: Metrics in Statistics -- The Confusion Matrix -- The ROC Curve and AUC Curve -- The sklearn.

metrics Module (Optional) -- Statistical Metrics for Categorical Data -- Metrics for Continuous Data -- MAE, MSE, and RMSE -- Approximating Linear Data with np.linspace() -- Summary -- CHAPTER 5: Probability Distributions -- PDF, CDF, and PMF -- Two Types of Probability Distributions -- Discrete Probability Distributions -- Continuous Probability Distributions -- Advanced Probability Functions -- Non-Gaussian Distributions -- The Best-Fitting Distribution for Data -- Summary -- CHAPTER 6: Hypothesis Testing -- What is Hypothesis Testing? -- Components of Hypothesis Testing -- Test Statistics. Working with p-values -- Working with Alpha Values -- Point Estimation, Confidence Level, and Confidence Intervals -- What is A/B Testing? -- The Lifespan of an A/B Test -- Maximum Likelihood Estimation (MLE) -- Summary -- Appendix A: Introduction to Python -- Tools for Python -- Python Installation -- Setting the PATH Environment Variable (Windows Only) -- Launching Python on Your Machine -- Identifiers -- Lines, Indentation, and Multi-Line Statements -- Quotation Marks and Comments -- Saving Your Code in a Module -- Some Standard Modules -- The help() and dir() Functions -- Compile Time and Runtime Code Checking -- Simple Data Types -- Working with Numbers -- Working with Fractions -- Unicode and UTF-8 -- Working with Strings -- Slicing and Splicing Strings -- Search and Replace a String in Other Strings -- Remove Leading and Trailing Characters -- Printing Text without New Line Characters -- Text Alignment -- Working with Dates -- Exception Handling -- Handling User Input -- Python and Emojis (Optional) -- Command-Line Arguments -- Summary -- Appendix B: Introduction to Pandas -- What is Pandas? -- A Pandas Data Frame with a NumPy Example -- Describing a Pandas Data Frame -- Boolean Data Frames -- Data Frames and Random Numbers -- Reading CSV Files in Pandas -- The loc() and iloc() Methods -- Converting Categorical Data to Numeric Data -- Matching and Splitting Strings -- Converting Strings to Dates -- Working with Date Ranges -- Detecting Missing Dates -- Interpolating Missing Dates -- Other Operations with Dates -- Merging and Splitting Columns in Pandas -- Reading HTML Web Pages -- Saving a Pandas Data Frame as an HTML Web Page -- Summary -- Index.

Sommario/riassunto

This book is designed to offer a fast-paced yet thorough introduction to essential statistical concepts using Python code samples, and aims to assist data scientists in their daily endeavors. The ability to extract meaningful insights from data requires a deep understanding of statistics. The book ensures that each topic is introduced with clarity, followed by executable Python code samples that can be modified and applied according to individual needs. Topics include working with data and exploratory analysis, the basics of probability, descriptive and inferential statistics and their applications, metrics for data analysis, probability distributions, hypothesis testing, and more. Appendices on Python and Pandas have been included. From foundational Python concepts to the intricacies of statistics, this book serves as a comprehensive resource for both beginners and seasoned professionals.

2. Record Nr.	UNINA9910163192203321
Autore	Grau Lester K
Titolo	The Bear Went over the Mountain
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ISBN	1-78289-581-7
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Nota di contenuto	Title page -- TABLE OF CONTENTS -- FOREWORD -- ACKNOWLEDGEMENTS -- INTRODUCTION -- PREFACE -- FRUNZE COMMENTS ABOUT THE PREPARATION OF THIS COLLECTION -- FRUNZE FOREWORD -- CHAPTER 1: BLOCKING AND DESTROYING GUERRILLA FORCES -- An airborne battalion searches Sherkhankhel village by Major S. N. Petrov -- Searching a populated area in the Charikar Valley by LTC A. L Makkoveev -- Blocking and destroying a guerrilla force in Kunar Province by Major V. A. Gukalov -- Combing the city of Bamian and its outlying towns during the course of a raid by Major A. P. Pivovarenko -- Blocking and searching the green zone of the Arghandab River by LTC S. V. Zelenskiy -- Blocking, searching for and destroying a guerrilla force in Ishkamesh region by Major A. M. Kovyrshin -- Sweeping a green zone in Helmand Province by Major V. I. Kurochkin -- Sweeping villages with Afghani and Soviet subunits by Major S. G. Davydenko -- Sweeping a potential ambush area - by Captain I. P. Tereshchenko -- Blocking, sweeping and destroying the mujahideen in the Varduj Valley by Major S. V. Krutyakov -- Sequential blocking and sweeping of a mountain valley near Anushella by Major P. A. Skovorodnikov -- Blocking and sweeping an inhabited region by LTC V. V. Shubin -- Blocking the enemy in an area of

villages and then destroying them during the sweep by Major S. S. Gazaryan -- CHAPTER 2: THE OFFENSIVE IN POPULATED AREAS AND MOUNTAINS -- Assault on the outskirts of Herat by Major V. M. Bogdashkin -- The actions of a motorized rifle battalion as a raiding detachment by Major S. A. Nikitin -- Assaulting Xadighar Canyon and seizing weapons and ammunition caches by LTC S. Yu. Pyatakov -- An airborne battalion seizes the Satukandav Pass by LTC A. N. Shishkov -- Storming Spinakalacha village by LTC V. D. Vlasyan -- A motorized rifle battalion offensive at night in the mountains of the Andarab Canyon by Major V. G. Tarasyuk -- CHAPTER 3: THE APPLICATION OF TACTICAL AIR ASSAULTS

Sommario/riassunto

[Illustrated with 52 maps and diagrams]Sixteen years after its commencement and six years after its cessation, the Soviet-Afghan War remains an enigma for Westerners. Set against the backdrop of earlier successful Soviet military interventions in East Germany (1953), Hungary (1956), and Czechoslovakia (1968), and occasional Soviet military pressure on Poland, the stark military power of the Soviet state seemed to be an irresistible tool of indefatigable Soviet political power...More than a few strategic pundits and military planners envisioned a bold Soviet strategic thrust from southern Afghanistan to the shores of the Persian Gulf, to challenge Western strategic interests and disrupt Western access to critical Middle Eastern oil.Despite these fears and dire warnings, the Soviet Afghan military effort soon languished as the British experience began to repeat itself. Although appearing to have entered Afghanistan in seemingly surgical fashion and with overwhelming force, the Soviet military commitment was, in reality, quite limited, and the immense and stark territory of Afghanistan swallowed the invaders up. Across the largely barren landscape, guerrilla fighters multiplied, and, within months, the hitherto curious word mujahideen took on new meaning...To this day the Western view of the Afghan War has been clouded in mystery and shadows. Soviet writers have presented Westerners with a mixture of political diatribe, military fable, allegory, and analogy, set against the backdrop of few facts. Westerners have recounted the war based on this Soviet material, sketchy mujahideen accounts, the reports of the occasional Western war correspondents in Afghanistan, and pure supposition. This volume, the first factual material to shed real light on the conflict, represents a unique first step in setting the Afghan record straight.
