

1. Record Nr.	UNINA9910135152603321
Titolo	IEEE Std C37.114-2014 (Revision of IEEE Std C37.114-2004) - Redline : IEEE guide for determining fault location on AC transmission and distribution lines - redline / / IEEE
Pubbl/distr/stampa	[Place of publication not identified] : , : IEEE, , 2015
ISBN	1-5044-0129-8
Descrizione fisica	1 online resource
Disciplina	621.31921
Soggetti	Electric fault location Nonlinear waves
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Electrical faults on transmission and distribution lines are detected and isolated by system protective devices. Once the fault has been cleared, outage times can be reduced if the location of the fault can be determined more quickly. The techniques and application considerations for determining the location of a fault on ac transmission and distribution lines are outlined in this guide. Traditional approaches and the primary measurement techniques used in modern devices are reviewed: one- and two-terminal impedance-based methods and traveling-wave methods. Application considerations include: two- and three-terminal lines, series-compensated lines, parallel lines, untransposed lines, underground cables, fault resistance effects, and other power system conditions, including those unique to distribution systems.</p>

2. Record Nr.	UNINA9910148716503321
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Titolo	Elementary Statistics for Geographers, Third Edition
Pubbl/distr/stampa	New York : , : Guilford Publications, , 2009 ©2009
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (669 pages)
Altri autori (Persone)	BarberGerald M RigbyDavid L BurtJames E
Disciplina	519.502491
Soggetti	Geography - Statistical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half Title Page -- Title Page -- Copyright Page -- Preface -- Contents -- I. INTRODUCTION -- 1. Statistics and Geography -- 1.1. Statistical Analysis and Geography -- 1.2. Data -- 1.3. Measurement Evaluation -- 1.4. Data and Information -- 1.5. Summary -- II. DESCRIPTIVE STATISTICS -- 2. Displaying and Interpreting Data -- 2.1. Display and Interpretation of the Distributions of Qualitative Variables -- 2.2. Display and Interpretation of the Distributions of Quantitative Variables -- 2.3. Displaying and Interpreting Time-Series Data -- 2.4. Displaying and Interpreting Spatial Data -- 2.5. Summary -- 3. Describing Data with Statistics -- 3.1. Measures of Central Tendency -- 3.2. Measures of Dispersion -- 3.3. Higher Order Moments or Other Numerical Measures of the Characteristics of Distributions -- 3.4. Using Descriptive Statistics with Time-Series Data -- 3.5. Descriptive Statistics for Spatial Data -- 3.6. Summary -- Appendix 3a. Review of Sigma Notation -- Appendix 3b. An Iterative Algorithm for Determining the Weighted or Unweighted Euclidean Median -- 4. Statistical Relationships -- 4.1. Relationships and Dependence -- 4.2. Looking for Relationships in Graphs and Tables -- 4.3. Introduction to Correlation -- 4.4. Introduction to Regression -- 4.5. Temporal Autocorrelation -- 4.6. Summary -- Appendix 4a. Review of the Elementary Geometry of a Line -- Appendix 4b. Least Squares Solution via Elementary Calculus --

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Sommario/riassunto

Widely adopted, this uniquely comprehensive text introduces the techniques and concepts of statistics in human and physical geography. Unlike other texts that gloss over the conceptual foundations and focus solely on method, the book explains not only how to apply quantitative tools but also why and how they work. Students gain important skills for utilizing both conventional and spatial statistics in their own

research, as well as for critically evaluating the work of others. Most chapters are self-contained in order to provide maximum flexibility in course design. Requiring no math beyond algebra, the book is well suited for undergraduate and beginning graduate-level courses. Helpful features include chapter summaries, suggestions for further reading, and practice problems at the end of each chapter. New to This Edition *Restructured and updated to reflect current developments in the field. *Five entirely new chapters cover graphical methods, spatial relationships, analysis of variance, extending regression analysis, and spatial analysis. *Features even more worked examples, many with accompanying graphics. *The companion website offers datasets and solutions to selected end-of-chapter exercises.
