

1. Record Nr.	UNINA9910453559003321
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Titolo	Topics in circular statistics [[electronic resource] /] / S. Rao Jammalamadaka, A. SenGupta
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2001
ISBN	1-281-93801-7 9786611938017 981-277-926-4
Descrizione fisica	1 online resource (336 p.)
Collana	Series on multivariate analysis ; ; 5
Altri autori (Persone)	SenguptaAmbar <1963->
Disciplina	519.5
Soggetti	Circular data Mathematical statistics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [295]-309) and indexes.
Nota di contenuto	Contents ; Preface ; 1 Introduction ; 1.1 Introduction ; 1.2 Applications and Background ; 1.3 Descriptive Statistics ; 2 Circular Probability Distributions ; 2.1 Introduction ; 2.2 Circular Distributions ; 2.3 Bivariate Circular Distributions 2.4 Generation of Circular Random Variables 2.5 Appendix: Curved Exponential Families and CND ; 3 Some Sampling Distributions ; 3.1 Introduction ; 3.2 Generalized Pearson's Random Walk Problem ; 3.3 Sampling Distributions ; 3.4 Some Large Sample Results 3.5 Two or More Samples ; 3.6 Approximate Distributions for Large K ; 4 Estimation of Parameters ; 4.1 Introduction ; 4.2 CN Distribution ; 4.3 CN Mixtures ; 4.4 ML Estimation for the WC Distribution ; 4.5 Circular Beta Distribution ; 4.6 WS Family

; 4.7 Confidence Intervals	
4.8 Appendix: Proofs Concentration	5 Tests for Mean Direction and ; 5.1 Introduction
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; 6 Tests for Uniformity	; 6.1 Introduction
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6.3 Uniformity versus WSM Alternatives	
6.4 LMP Invariant Test for Unknown u	6.5
Appendix: Proofs Procedures	; 7 Nonparametric Testing ; 7.1 Introduction ;
7.2 One-Sample Problem and Goodness-of-fit	
; 7.3 Two-Sample Problems	; 7.4 Multi-Sample Tests
; 8 Circular Correlation and Regression	;
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Sommario/riassunto

This research monograph on circular data analysis covers some recent advances in the field, besides providing a brief introduction to, and a review of, existing methods and models. The primary focus is on recent research into topics such as change-point problems, predictive distributions, circular correlation and regression, etc. An important feature of this work is the S-plus subroutines provided for analyzing actual data sets. Coupled with the discussion of new theoretical research, the book should benefit both the researcher and the practitioner.

<i>Contents:</i>Circular Probab
