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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 for CN Distribution ; 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 5 Tests for Mean Direction and

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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.

Contents:

- Circular Probab
