Spatial statistics for geographic information science

Synopsis:

This book has been written to assist GISc students in learning the statistical analysis of spatial data. Due to interdispciplinary nature of GISc, land surveyors, geographers, town planners, geologists, epidemiologists, engineers, environmentalists, economists and business analysts will find this book a valuable reference on the subject matter. Chapters have been presented systematically on the essential elements of spatial statistics: Statistics and GISc; Descriptive Statistics; Probability Distributions; Statistical Inference; Comparative Statistics; Correlation and Autocorrelation; Spatial Autocorrelation; Simple Linear Regression and Multiple Linear Regression. Numerical examples are included when relevant issues are discussed in each of the chapters. Each chapter ends with revision questions.

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Table Of Content:

Foreword

CHAPTER 1 STATISTICS AND GEOGRAPHIC INFORMATION SCIENCE

What is Statistic?

What is Geographic Information Science?

Nature of Geographic Data

What is Spatial Statistics?

Spatial Statistics and GISc

Population and Samples

Variables and Their Measurements

Sampling Methods

Statistical Scenario of GIScientists

Exercises

CHAPTER 2 DESCRIPTIVE STATISTICS

What is Descriptive Statistics?

Describing Attribute Variables

Describing Spatial Distribution

Exercises

CHAPTER 3 PROBABILITY DISTRIBUTION

What is Probability

Random Variable

Addition and Multiplication Rules of Probability

Discrete Probability Distribution

Continuous Probability Distribution

Joint Probability Distribution

Exercises

CHAPTER 4 STATISTICAL INFERENCE

What is Statistical Inference?

Statistical Estimation

Statistical Hypothesis Testing

Exercises

CHAPTER 5 COMPARATIVE STATISTICS

What is Comparative Statistics?

Parametric and Non–Parametric Tests

The Runs Test

The X2 Test

The Kolmogorov–Smirnov Test

The Student's t Test

The Mann–Whitney U Test

The F Ratio Test

The Kruskal–Wallis H Test

Exercises

CHAPTER 6 CORRELATION AND AUTOCORRELATION

What is Correlation?

Scatter Diagrams

Pearson’s Correlation Coefficient

Spearman’s Correlation Coefficient

X2 Based Correlation Coefficients

Correlation Causation

Problems with Correlation of Spatial Data

Autocorrelation

Exercises

CHAPTER 7 SPATIAL AUTOCORRELATION

What is Spatial Autocorrelation?

Join Count Statistics

X2 Statistics

Moran’s Statistics

Local Moran’s Statistics

Problems with Spatial Autocorrelation

Exercises

CHAPTER 8 SIMPLE LINEAR REGRESSION

What is Regression?

Model Fitting and Prediction

Goodness of Fit of a Regression Model

Residual Analysis

Linear Relationship in the Population

Assumptions and Estimator Properties

An Example of Simple Linear Regression

Exercises

CHAPTER 9 MULTILINE LINEAR REGRESSION

Least Squares using Matrix Algebra

Model Fitting and Prediction

Goodness of Fit and Residual Analysis

Overall Fit of a Regression Model

Assessing Individual Coefficient

Dummy Variables

Curvilinear Relationship

Problems in Multiple Regression

An Example of Multiple Linear Regression

Exercises

APPENDIX (Statistical Tables)

REFERENCES

INDEX