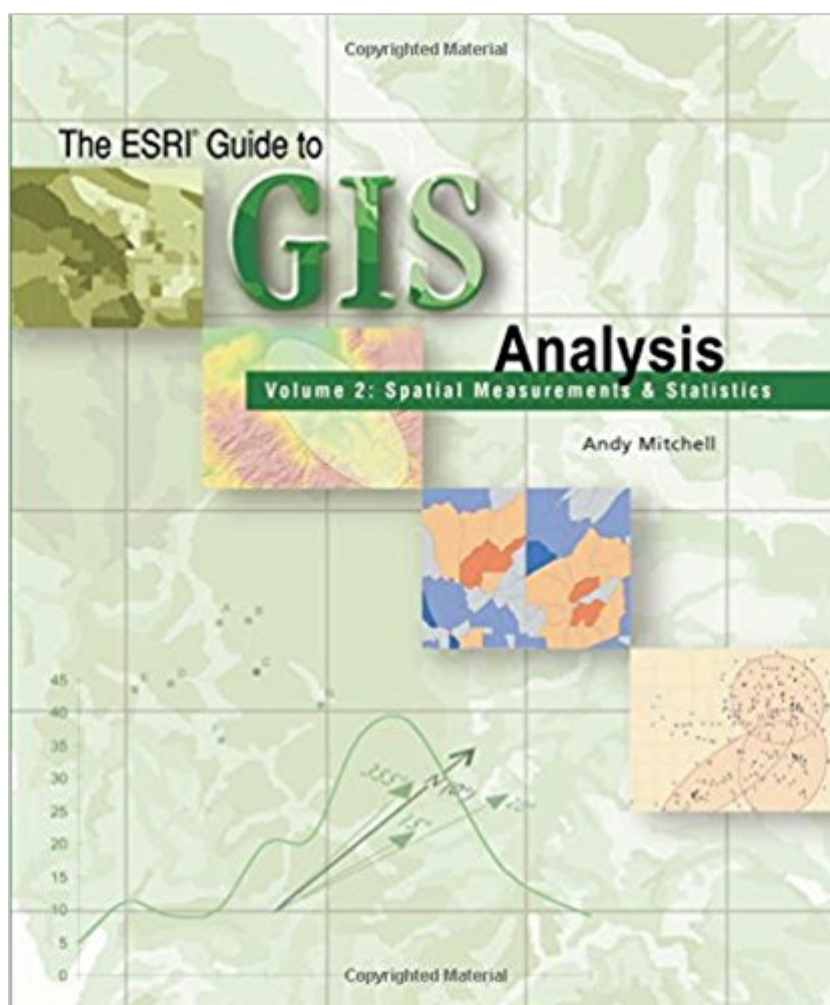


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# The Esri Guide To GIS Analysis, Volume 2: Spatial Measurements And Statistics



## Synopsis

Backed by the collective knowledge and experience of the world's leading Geographic Information Systems (GIS) company, the concepts and methods presented in this volume will allow users to unleash the full analytic power of their GIS. The most commonly used spatial statistical tools are described in detail along with their applications in a range of disciplines, from crime analysis to habitat conservation. GIS users will learn how features are distributed, how to analyze the pattern created by the features, and how to determine the relationships between them. Four general statistical concepts are discussed, including testing statistical significance, defining spatial neighborhoods and weights, and using statistics with spatial data. Advice on determining which statistical tool to use in a given situation is also provided.

## Book Information

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## Customer Reviews

Andy Mitchell is a technical writer with more than 20 years experience in GIS. He is the author of *"The ESRI Guide to GIS Analysis, Volume 1: Geographic Patterns and Relationships"* and *"Zeroing In"* and the coauthor of *"Getting Started with ArcGIS,"* He lives in Santa Barbara, California.

I was not sure if I should give this book 4 stars or 3. I first decided on 4 because the book only does not go into enough detail about difficult subjects like the null hypothesis, which is crucial to

understanding everything that follows, and there were no Z-score or critical t-value tables, which would of been nice. Then as I fumbled around I found out that there are typos which further makes learning a new subject more difficult. For example on one page a symbol is written as  $G_e(d)$  and on the next page  $G_d(e)$ , or sentences are wrong like, "...subtracts the value of each feature from the mean..." and two sentences later it says, "...the mean is subtracted from the value of the feature...". Hmm. The book needs reworking. Because of the typos problem, I settled on 3 stars. Nevertheless, it is an important source about an important subject, and i would recommend it. I just hope the author revisits it and expands it a little more, removes the typos and adds some statistical tables in the back.

Excellent, simple, reference book for GIS analysis. If you are a beginner with GIS analysis this book is ideal, at the same time, if you use more advanced methods, but are not constantly using the technology you will definitely want this as a reference. When in doubt with more complicated methodology, go back to the basics with this book. I lost it and got it again, this is how useful I think it is.

My favorite series =)

Great book on GIS Analysis

Very easy to read and understand the covered concepts. It's light on the statistical jargon, so only a basic understanding of statistics is required.

great resource

Great book,very useful.

This book is great if you want to learn spatial analysis and statistical methods. Very clear, concise, with images and examples.

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