



## Principles of Geographical Information Systems (Paperback)

By Professor Peter A. Burrough, Rachael A. McDonnell, Christopher D. Lloyd

Oxford University Press, United Kingdom, 2015. Paperback. Condition: New. 3rd Revised edition. Language: English . Brand New Book. Geographical data are used in so many aspects of our lives today, ranging from disaster relief operations through to finding directions on our mobile phones. We can all be data collectors, adding locational information as we capture digitally our day-to-day experiences. Geographical Information Systems (GIS) are the software tools that facilitate this, turning the raw data into useful information that can help us understand our worlds better. Principles of Geographical Information Systems presents a thorough overview of the subject, exploring both the theoretical basis of GIS, and their use in practice. It explains how data on the world are converted into digital form and the analytical capabilities used to bring understanding to a range of areas of interest and issues. Spatial data are usually based on two, dichotomous paradigms: exactly defined entities in space, such as land parcels and urban structures, or the continuous variation of single attributes, such as temperature or rainfall. The adoption of one or the other influences how the geographical data are structured in the GIS and the types of analysis possible. A further area of focus in...



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