



## Fundamentals of Geographic Information Systems

By DeMers, Michael N.

Wiley, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: UNIT 1. INTRODUCTION.Chapter 1. Introduction to Digital Geography.Learning Objectives.Why Geographic Information Systems? What Are Geographic Information Systems? Where Do I Begin?Terms.Review Questions.References.UNIT 2. DIGITAL GEOGRAPHIC DATA AND MAPS.Chapter 2. Basic Geographic Concepts.Learning Objectives.Developing Spatial Awareness. Spatial Measurement Levels. Spatial Location and Reference. Spatial Patterns. Geographic Data Collection. Populations and Sampling Schemes. Making Inferences from Samples.Terms.Review Questions.References.Chapter 3. Map Basics.Learning Objectives. Abstract Nature of Maps. A Paradigm Shift in Cartography.Map Scale.More Map Characteristics.Map Projections. Grid Systems for Mapping. The Cartographic Process.Map Symbolism.Map Abstraction and Cartographic Databases.Terms.Review Questions.References.Chapter 4. GIS Data Models.Learning Objectives.A Quick Review of the Map as an Abstraction of Space. Some Basic Computer File Structures.Simple Lists.Ordered Sequential Files.Indexed Files.Computer Database Structures for Managing Data.Hierarchical Data Structures.Network Systems.Relational Database Management Systems. Graphic Representation of Entities and Attributes.GIS Data Models for Multiple Maps.Raster Models.Compact Storing of Raster Data.Commercial Raster Compaction Products.Vector Models.Compacting Vector Data Models.A Vector Model to

## Reviews

This created book is wonderful. This is for all those who statte that there was not a worth reading. Your way of life span will likely be enhance as soon as you comprehensive looking at this publication.

-- Jesse Yundt

This sort of pdf is everything and made me searching forward plus more. Better then never, though i am quite late in start reading this one. You may like just how the author compose this book.

-- Mae Jones