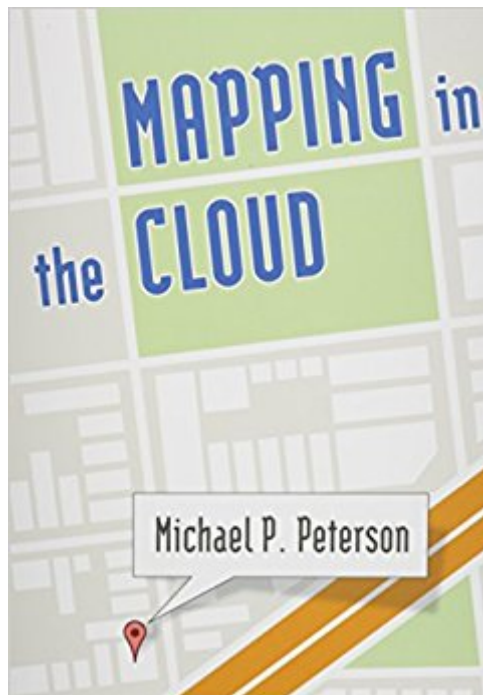


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# Mapping In The Cloud



## Synopsis

This engaging text provides a solid introduction to mapmaking in the era of cloud computing. It takes students through both the concepts and technology of modern cartography, geographic information systems (GIS), and Web-based mapping. Conceptual chapters delve into the meaning of maps and how they are developed, covering such topics as map layers, GIS tools, mobile mapping, and map animation. Methods chapters take a learn-by-doing approach to help students master application programming interfaces and build other technical skills for creating maps and making them available on the Internet. The companion website offers invaluable supplementary materials for instructors and students. Pedagogical Features \*End-of-chapter summaries, review questions, and exercises. \*Extensive graphics illustrating the concepts and procedures. \*Downloadable PowerPoints for each chapter. \*Downloadable code files (where applicable) for the exercises.

## Book Information

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## Customer Reviews

"Peterson's book is both a primer on enduring principles of cartography and a hands-on, down-and-dirty guide to the mashups, scripts, tools, and work-arounds that are the new playing field of 21st-century cartography. This text offers the keys to geo-enabled Web maps, database searches, Web design, and cloud computing. Peterson uses such simple and clear explanations of what to do that readers will be surprised by how painlessly they reach the giddy heights of web coding. For those who love maps--and also love coding, scripting, and making cool stuff happen on the Web--this book is your jumping-off point."--Keith Clarke, PhD, Department of Geography,

University of California, Santa Barbara "Peterson successfully covers a mix of theory and practical applications. Each chapter is built on solid cartographic principles, but the text's real distinctiveness is how those principles are connected to today's technologies. A welcome addition to the literature on cartography and GIS Science, this is an excellent text for classes in computer mapping, cartography and GIS visualization, or Web mapping application development."--Jeffrey S. Torguson, PhD, Department of Geography and Planning, St. Cloud State University "A seminal contribution to the rapidly expanding field of Internet and Web-based mapping. The text is written at a level that can be grasped by beginning students but can also help professionals learn the details of Internet mapping operations. Peterson provides detailed examples of map creation and use and guides the reader to design, develop, and implement Web-based mapping projects."--E. Lynn Usery, PhD, Research Geographer and Director, Center of Excellence for Geospatial Information Science, U.S. Geological Survey, Rolla, Missouri "This text provides access to an exciting new world and grounds the reader in important concepts. Alternating chapters cover theoretical and practical aspects of making effective online maps. The book is rich in ideas, illustrations, and examples of codes that will soon have the reader creating accessible, interesting, and useful maps."--Patrick Kennelly, PhD, Department of Earth and Environmental Science, Long Island University

Michael P. Peterson, PhD, is Professor in the Department of Geography/Geology at the University of Nebraska at Omaha, where he has been on the faculty since 1982. He has been a visiting scholar or fellow at universities around the world; most recently, he was Fulbright Fellow and Visiting Professor at the Technical University of Vienna, Austria (1999, 2011), Visiting Professor at the University of Applied Technology in Munich, Germany (1999, 2000, 2001), Visiting Research Fellow at Carleton University in Ottawa, Canada (2004), and Erskine Fellow at the University of Canterbury in Christchurch, New Zealand (2012). Dr. Peterson is past president of the North American Cartographic Information Society and former editor of *Cartographic Perspectives*. The author of numerous articles and several books, he chaired the Commission on Maps and the Internet of the International Cartographic Association (ICA) from 1999 to 2011 and is currently chair of the ICA's publication committee.

Code in the book often does not run. The author said that this was to show what the code looks like. The real code is available on his website. The author's website has several errors. One major issue here is this book requires you to have a web hosting account that supports mysql and php. The free ones are a security nightmare, otherwise you are paying monthly just to do the exercises. Lame.

Dr. Peterson is my professor of Cartography and GIS at the University of Nebraska at Omaha- so I was initially leery of being assigned this book (doesn't it seem a bit fishy when professors assign their own book?). However, immediately those concerns were quieted as I read the text. He is an expert in software mapping and the theory behind it, and this text brings old and new considerations of cartography into one illuminating volume. If you're just starting out learning about GIS and its applications, or are a seasoned veteran- this tome will help you understand the deeper implications of cloud mapping in an easy to follow, exercise supported fashion. Dr. Peterson has created online assignments to help the reader learn the practice of cloud mapping, all hosted from his own website free of charge.

This is good.

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