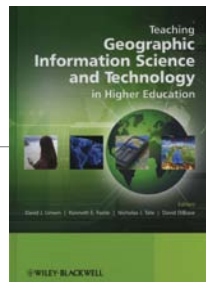


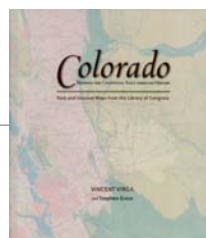
GIS Bookshelf



Teaching Geographic Information Science and Technology in Higher Education

Editors David Unwin, Nicholas Tate, Kenneth Foote, and David DiBiase

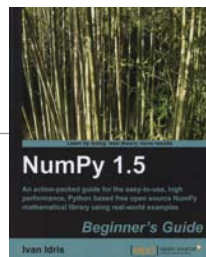
This collection of articles grew out of a series of meetings that began with sessions at the Association of American Geographers annual meeting. It charts the history and focuses on the challenges of teaching both the science and technology of the rapidly evolving field of geographic information to students who have goals that range from improving critical thinking skills to acquiring a powerful research tool to getting a job. Sections of the book are devoted to curriculum and course design and various perspectives on teaching geographic information science and technology (GIS&T) in a variety of settings. It covers the use of virtual worlds, distance and web e-learning, and the future of GIS&T. The editors underline that the collaborative approach of educators in this field has been one of its distinguishing characteristics and strengths. This community of practice continues helping educators succeed in this demanding environment. Wiley-Blackwell, 2012, 496 pp., ISBN: 978-0470748565



Colorado: Mapping the Centennial State through History; Rare and Unusual Maps from the Library of Congress

By Vincent Virga and Stephen Grace

In his introduction to this book, coauthor Stephen Grace observes, “Maps can help us find our way, not only through the mountains but through the past.” *Colorado: Mapping the Centennial State through History* is a volume in the Mapping States through History series produced in collaboration with the Library of Congress. Each volume tells the history of a state through its geography. Organized topically and in roughly chronological order, this collection of historical maps with commentary tells the story of an area of North America that became the state of Colorado. Of particular interest are maps in the “Native People” chapter. A map created by the explorer John Wesley Powell maps the linguistic stocks of native peoples. Another shows the extermination of the American bison, a key event in subduing Indians in the state. Chapters contain historical maps relating to exploration of the state, the Pike’s Peak Gold Rush, the expansion of the railroad network, towns, the boom and bust cycle of mining, and natural resources management. These maps illustrate the interplay of historical events and geography, providing a greater apprehension of both. Globe Pequot, 2009, 128 pp., ISBN: 978-0762745319



NumPy 1.5 Beginner's Guide

By Ivan Idris

This learn-by-doing book on NumPy, the open source Python library for scientific computing, is written from a user rather than a contributing developer standpoint. After covering the fundamentals in the first two chapters, the balance of the book is devoted to applying NumPy. Each chapter is highly structured with tasks, explanations, quizzes, and practical challenges. PACKT Publishing, 2011, 234 pp., ISBN: 978-1849515306