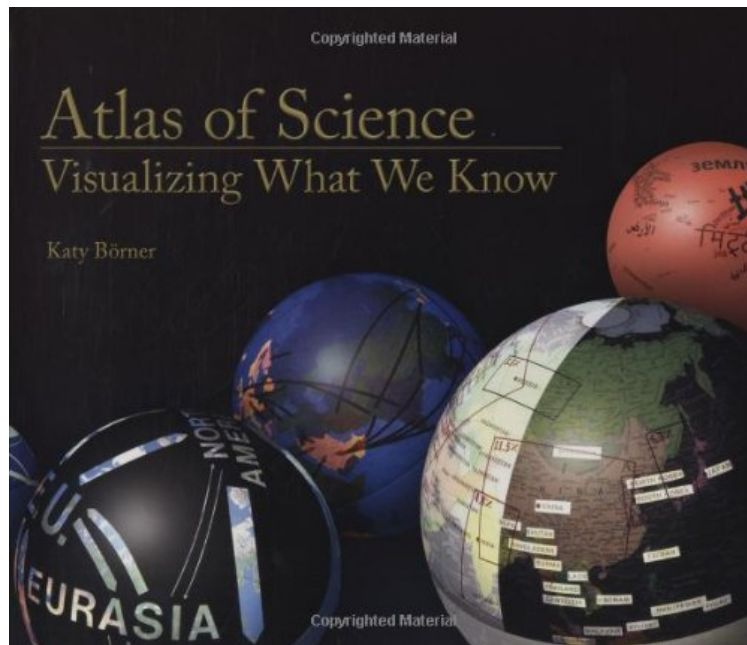


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Atlas of Science: Visualizing What We Know (MIT Press)

Katy Börner

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Katy Börner : Atlas of Science: Visualizing What We Know (MIT Press) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Atlas of Science: Visualizing What We Know (MIT Press):

13 of 14 people found the following review helpful. This detailed, richly illustrated Atlas is the first of its kind By Bonnie DeVarco Katy Börner's Atlas of Science is a large format, richly illustrated book introducing satellite views of science from above. With the importance of data visualization as a reflection and new visual language for contemporary culture, having a better sense of this similar but entirely new genre of Science Maps based on 'big data' is critical. Börner's book goes far beyond beauty by being the first Atlas of its kind. A highlight of the book is the "Milestones in Mapping Science" timeline covering 1930 to 2007 in 20 pages. The process, techniques and reference systems used in creating these highly refined maps are also described in great detail. So the book acts as a superb, highly visual introduction to the field for students, professionals and the general public. Another highlight: readers can access much of the material online in a companion site. High resolution images, all references, the history of the atlas, and events are all linked from [...] - Enjoy! 0 of 0 people found the following review helpful. but I like the main maps on science information better By Claudia Acua Soto a lot information about structure, but I like the main maps on science information better, they are very small 8 of 10 people found the following review helpful. a science happy meal By drpath The ATLAS OF SCIENCE is brain food. It is like a giant science buffet... For anyone interested in mind bending conceptual formulations of what we know, where we can be, how we got here, who's going with us, it is a lip smacking delight. I'm pacing myself for another run through the buffet line.

Science maps that can help us understand and navigate the immense amount of results generated by today's science and technology. Cartographic maps have guided our explorations for centuries, allowing us to navigate the world.

Science maps have the potential to guide our search for knowledge in the same way, allowing us to visualize scientific results. Science maps help us navigate, understand, and communicate the dynamic and changing structure of science and technology -- help us make sense of the avalanche of data generated by scientific research today. Atlas of Science, featuring more than thirty full-page science maps, fifty data charts, a timeline of science-mapping milestones, and 500 color images, serves as a sumptuous visual index to the evolution of modern science and as an introduction to "the science of science" -- charting the trajectory from scientific concept to published results. Atlas of Science, based on the popular exhibit, "Places Spaces: Mapping Science", describes and displays successful mapping techniques. The heart of the book is a visual feast: Claudius Ptolemy's Cosmographia World Map from 1482; a guide to a PhD thesis that resembles a subway map; "the structure of science" as revealed in a map of citation relationships in papers published in 2002; a visual periodic table; a history flow visualization of the Wikipedia article on abortion; a globe showing the worldwide distribution of patents; a forecast of earthquake risk; hands-on science maps for kids; and many more. Each entry includes the story behind the map and biographies of its makers. Not even the most brilliant minds can keep up with today's deluge of scientific results. Science maps show us the landscape of what we know.

...I am enthusiastic about this exhibition. For anyone interested in visualization, maps or science, it is a veritable cornucopia and the author is to be congratulated for the imagination and energy she has put into the project. (Professor Tom Wilson, Editor-in-Chief, Information Research)Featuring one unique and intriguing visual design after another, Atlas of Science illustrates the origin and evolution of science mapping. (Chaomei Chen, Drexel University, author of Mapping Scientific Frontiers)In today's confusing and fast-changing world, if we are to shape our children's lives for the best, it is essential that we understand what science is thinking, where it's coming from, and where it's going. This fascinating, lucid, brilliantly illustrated book shows us all that. (James Burke, author of Connections)Science is a voyage of discovery and Katy Brner has provided its first atlas. This excellent book offers a compendium of all that is best in explaining visual maps of our scientific knowledge. (Michael Batty, University College London, author of Cities and Complexity: Understanding Cities with Cellular Automata, Agent-Based Models, and Fractals (MIT Press))This book and its complementary online exhibit are recommended as an educational source for getting a broader understanding of scientific visualization...This book is recommended for high school, academic, and large public libraries and it should be on the shelves of those interested in the connection between the graphic arts and the sciences. (Nestor L. Osorio, Issues in Science and Technology Librarianship)This book has a wide potential audience, including laypersons interested in science, undergraduates, graduate students, and practitioners. It should also adorn coffee tables in science departments around the world. (R.A. Kolvoord, James Madison University CHOICE)About the AuthorKaty Brner is Victor H. Yngve Professor of Information Science in the School of Library and Information Science at Indiana University. She is curator of the "Places Spaces: Mapping Science" exhibit that inspired Atlas of Science.