

Data Analysis with Open Source Tools: A Hands-On Guide for Programmers and Data Scientists

By Philipp K. Janert

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These days it seems like everyone is collecting data. But all of that data is just raw information -- to make that information meaningful, it has to be organized, filtered, and analyzed. Anyone can apply data analysis tools and get results, but without the right approach those results may be useless.

Author Philipp Janert teaches you how to *think* about data: how to effectively approach data analysis problems, and how to extract all of the available information from your data. Janert covers univariate data, data in multiple dimensions, time series data, graphical techniques, data mining, machine learning, and many other topics. He also reveals how seat-of-the-pants knowledge can lead you to the best approach right from the start, and how to assess results to determine if they're meaningful.

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Data Analysis with Open Source Tools: A Hands-On Guide for Programmers and Data Scientists By Philipp K. Janert Bibliography

- Sales Rank: #351772 in Books
- Published on: 2010-11-28
- Released on: 2010-11-25
- Original language: English
- Number of items: 1
- Dimensions: 9.19" h x 1.40" w x 7.00" l, 1.85 pounds
- Binding: Paperback
- 540 pages

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Editorial Review

About the Author

After previous careers in physics and softwaredevelopment, Philipp K. Janert currentlyprovides consulting services for data analysis,algorithm development, and mathematical modeling.He has worked for small start-ups and in largecorporate environments, both in the U.S. andoverseas. He prefers simple solutions that workto complicated ones that don't, and thinks thatpurpose is more important than process. Philippis the author of "Gnuplot in Action - UnderstandingData with Graphs" (Manning Publications), and haswritten for the O'Reilly Network, IBM developerWorks,and IEEE Software. He is named inventor on a handfulof patents, and is an occasional contributor to CPAN.He holds a Ph.D. in theoretical physics from theUniversity of Washington. Visit his company websiteat www.principal-value.com.

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