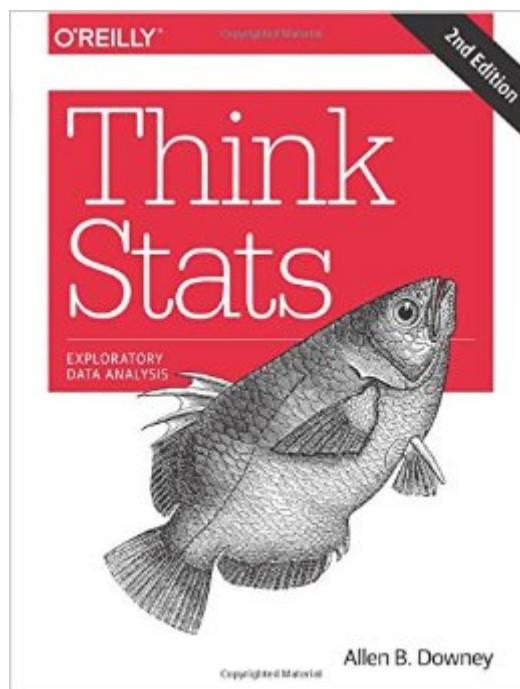


The book was found

# Think Stats



## Synopsis

If you know how to program, you have the skills to turn data into knowledge, using tools of probability and statistics. This concise introduction shows you how to perform statistical analysis computationally, rather than mathematically, with programs written in Python. By working with a single case study throughout this thoroughly revised book, you'll learn the entire process of exploratory data analysis—“from collecting data and generating statistics to identifying patterns and testing hypotheses. You'll explore distributions, rules of probability, visualization, and many other tools and concepts. New chapters on regression, time series analysis, survival analysis, and analytic methods will enrich your discoveries. Develop an understanding of probability and statistics by writing and testing code. Run experiments to test statistical behavior, such as generating samples from several distributions. Use simulations to understand concepts that are hard to grasp mathematically. Import data from most sources with Python, rather than rely on data that's cleaned and formatted for statistics tools. Use statistical inference to answer questions about real-world data.

## Book Information

Paperback: 226 pages

Publisher: O'Reilly Media; 2 edition (October 27, 2014)

Language: English

ISBN-10: 1491907339

ISBN-13: 978-1491907337

Product Dimensions: 7 x 0.5 x 9.2 inches

Shipping Weight: 13.4 ounces (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars (See all reviews) (8 customer reviews)

Best Sellers Rank: #121,673 in Books (See Top 100 in Books) #75 in Books > Computers & Technology > Databases & Big Data > Data Modeling & Design #143 in Books > Computers & Technology > Programming > Languages & Tools > Python #383 in Books > Computers & Technology > Programming > Web Programming

## Customer Reviews

I recently finished reading Think Stats: Exploratory Data Analysis by Allen B. Downey, which is an introduction to using probability and statistics to perform analysis on data sets. This book uses Python to explore and perform statistical analysis on several example data sets. I have a decent statistics background (several undergraduate and graduate level statistics courses), and this book

definitely took a different approach than I have seen before. The focus is on an exploratory and computational approach to analyzing a data set. This approach is very valuable, and provides a much more easily applied skill set than a traditional statistics introduction. This book is not a thorough reference (though it often provides links to Wikipedia or other external sources for more information), and it won't replace my other statistics textbooks. However, it is a good introduction to the field (including many more advanced topics) and is easy to follow. I would be very interested in seeing a class that used this book as the text and followed the approach presented here. The book flows logically, but the topics were presented in a very different order than I was originally exposed to them. To get the most out of this book, I would definitely recommend working through the examples. An even better approach would be to work through the topics on a data set you have at hand that is of interest to you. Most of the examples in the book use the author's "thinkstats2.py" module. You can get the thinkstats2.py module (along with other sample code) at the book's GitHub page, and all of the examples can be viewed in IPython Notebooks.

[Download to continue reading...](#)

Think Stats PokÃ©mon Deluxe Essential Handbook: The Need-to-Know Stats and Facts on Over 700 PokÃ©mon Stats: Data and Models (4th Edition) Batman: Facts and Stats from the Classic TV Show Stats and Curiosities: From Harvard Business Review Ariana Grande: Fun Facts, Stats, Quizzes, Quotes 'N' More! Scholastic Almanac 2011: Facts & Stats (Scholastic Almanac for Kids) Think Python: How to Think Like a Computer Scientist The Ultimate Guide to Business Insurance - Restaurant Edition. If You Think You Are Not Liable, Think Again Act like a Lady, Think like a Man: What Men Really Think About Love, Relationships, Intimacy, and Commitment Earl Nightingale Reads Think and Grow Rich (Think and Grow Rich (Audio)) Act Like a Lady, Think Like a Man, Expanded Edition CD: What Men Really Think About Love, Relationships, Intimacy, and Commitment The Advertising Concept Book: Think Now, Design Later (Third) Know Your Onions - Graphic Design: How to Think Like a Creative, Act like a Businessman and Design Like a God How to Think Like Leonardo da Vinci: Seven Steps to Genius Every Day Think Like a Freak: The Authors of Freakonomics Offer to Retrain Your Brain Don't Think Twice: Adventure and Healing at 100 Miles per Hour Think and Grow Rich Think and Eat Yourself Smart: A Neuroscientific Approach to a Sharper Mind and Healthier Life The Way of the SEAL: Think Like an Elite Warrior to Lead and Succeed

[Dmca](#)