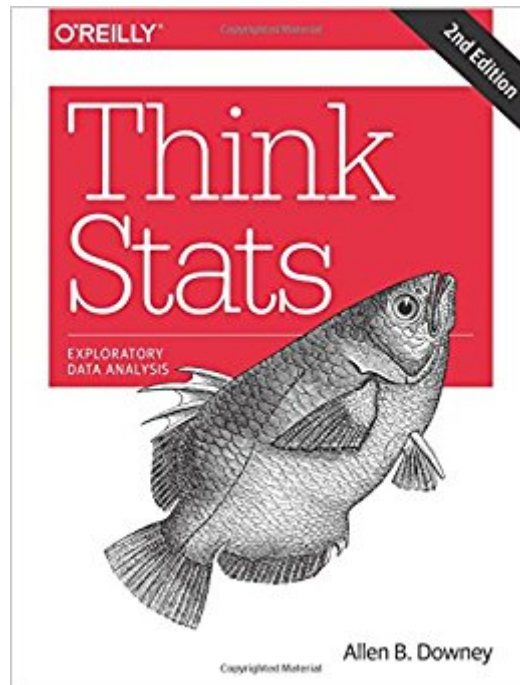**The book was found**

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, youâ ™ll learn the entire process of exploratory data analysisâ "from collecting data and generating statistics to identifying patterns and testing hypotheses. Youâ ™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 codeRun experiments to test statistical behavior, such as generating samples from several distributionsUse simulations to understand concepts that are hard to grasp mathematicallyImport data from most sources with Python, rather than rely on data thatâ ™s cleaned and formatted for statistics toolsUse statistical inference to answer questions about real-world data

Book Information

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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.

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