



Free eBook: Introduction to Python and Data Science

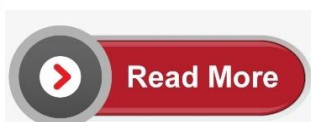
Are you keen in Data Science, and you want to learn more about it by reading, then have a look at this list of free eBooks that will give you an insight into the Data Science field that you've been looking for!

Look at the books we've chosen to help you to develop and let us know what you think, or even if you'd like to see more posts like this! We'd love to hear from you.



1. Automate the Boring Stuff with Python-by Al Sweigart

This book covers an introduction to Python for total beginners. It covers common aspects of Data Science such as web scraping, pattern matching and text extraction from PDF. You'll learn how to use Python to write programmes in minutes that would take you hours to do by hand — no prior programming experience required.

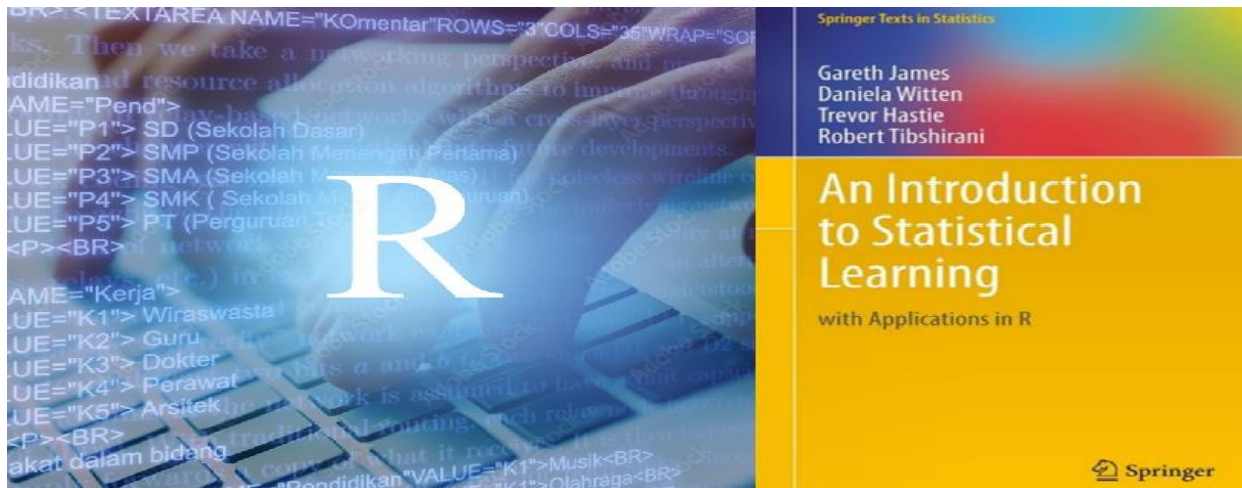




2. Python Data Science Handbook: Essential Tools for Working with Data- Jake VanderPlas

If you already have a basic understanding of Python and you want to read more about using Pandas, NumPy and Machine Learning tool kits, then this may be the right book for you. As one of the top books for learning to manipulate data, aka (data wrangling and making data visualizations with Python) you'll be hard-pressed not to learn something new.





3. An Introduction to Statistical Learning with Applications in R- by Gareth James, Daniela Witten, Trevor Hastie, & Robert Tibshirani

This book presents some of the most important modelling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, and much more.





4.A Byte of Python-by C H Swaroop

'A Byte of Python' is a book on programming using the Python language. It serves as a tutorial or guide to the Python language for a beginner audience. If you haven't yet had any programming experience, then this could be the book for you.





5.Data Mining and Analysis: Fundamental Concepts and Algorithms-by Mohammed J. Zaki & Wagner Meira, JR.

The main topics of the book include exploratory data analysis, pattern mining, clustering, and classification. The book lays the basic foundations of these tasks and also covers many more cutting-edge data mining [topics](#) such as multimedia datamining, spatial and geographic data mining and ubiquitous data mining.





6.The Data Science Handbook-by Carl Shan, Henry Wang, William Chen & Max Song

If you're interested in finding out more about the roles of Data Scientists, then have a look at The Data Science Handbook. It's a compilation of in-depth interviews with 25 remarkable data scientists, where they share their insights, stories, and advice. The interviews cover all major Data Science topics, including data preparation, automation, Big Data, the role of the Data Scientist and moving from academy to industry.





7. Bonus eBook: Learn Python, Break Python-by Scott Grant

. The book slowly introduces examples and exercises as you build up a level of comfort with more complex programme elements. The idea of the book is it become comfortable using Python, and once that's achieved, then being able to break apart the programmes, to maximise your understanding of their integrity.

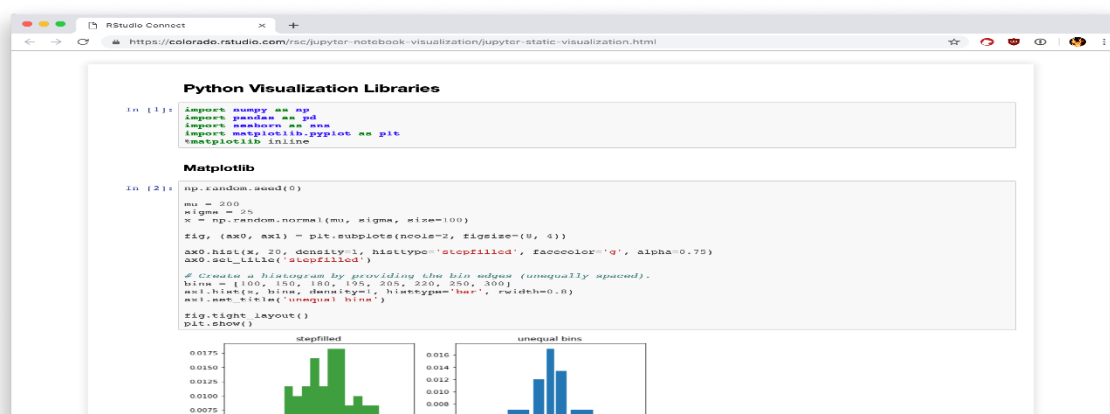




8. Python and Data Science Handbook

This repository contains the entire [python](#) [Python Data Science Handbook](#) by Jake VanderPlas; the content is available on [GitHub](#) in the form of Jupyter notebooks.

Jupyter notebook:





9. Python Data Science Handbook- by Jake Vander Plas



The text is released under the [CC-BY-NC-ND license](#), and code is released under the [MIT license](#).



Instructions on how to use the book

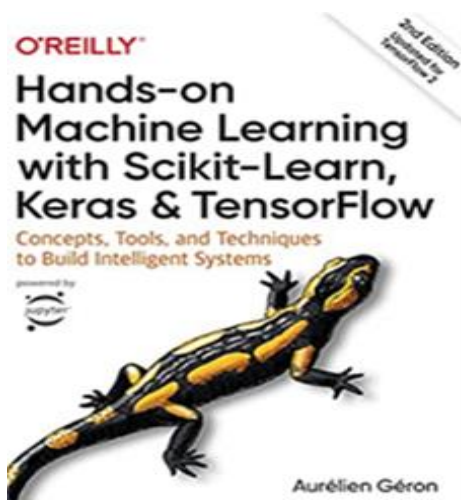
- Read the book in its entirety online at <https://jakevdp.github.io/PythonDataScienceHandbook/>
- Run the code using the Jupyter notebooks available in this repository's [notebooks](#) directory.
- Launch executable versions of these notebooks using [Google Colab](#):
- Launch a live notebook server with these notebooks using [binder](#):
- Buy the printed book through [O'Reilly Medi](#)





10. Kindle Edition: Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems 2nd Edition- by Aurelian Geron

Deep learning has boosted the entire field of machine learning. Now, even programmers who know close to nothing about this technology can use simple, efficient tools to implement programs capable of learning from data. This practical book will help you to understand a range of techniques, starting with simple linear regression and progressing to deep neural networks





11. Machine Learning Resource

Repository for learning resources related to Machine Learning and Deep Learning.
The learning material is curated and updated periodically.

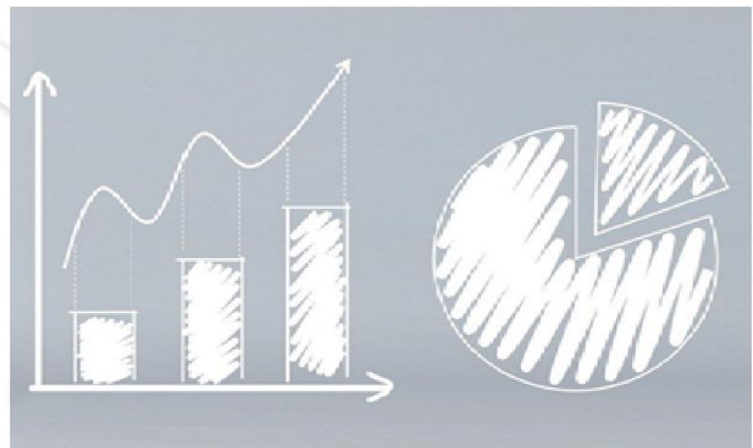
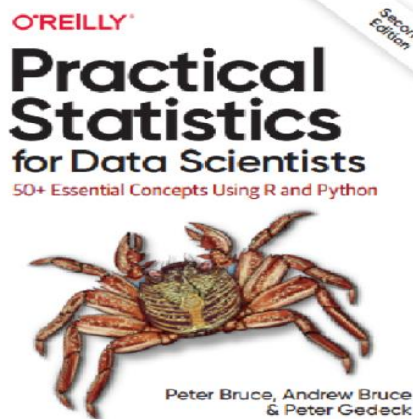






13. Practical Statistics for Data Scientists-by Peter Bruce, Andrew Bruce & Peter Gedeck

Machine Learning is the field of study that gives computers the capability to learn without being explicitly programmed. This book bridges the connection with statistical terms and principles and data mining practices.





14. Free eBook: Machine Learning - by Tom M. Mitchell

Machine Learning is the study of computer algorithms that improve automatically through experience. This book provides a single source introduction to the field and useful for researchers and developers in the field.

