



# Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython

*Wes McKinney*

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Looking for complete instructions on manipulating, processing, cleaning, and crunching structured data in Python? The second edition of this hands-on guide—updated for Python 3.5 and Pandas 1.0—is packed with practical cases studies that show you how to effectively solve a broad set of data analysis problems, using Python libraries such as NumPy, pandas, matplotlib, and IPython.

Written by Wes McKinney, the main author of the pandas library, *Python for Data Analysis* also serves as a practical, modern introduction to scientific computing in Python for data-intensive applications. It's ideal for analysts new to Python and for Python programmers new to scientific computing.



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