

Practical Data Analysis with the Python pandas Library

Dr. Uwe Ziegenhagen

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Python and pandas

Practical Data
Analysis with
the Python
pandas Library

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Ziegenhagen

Python and
pandas

Examples

- **Python:** amazing programming language
- emphasizes readable, understandable code
- “batteries included” \Rightarrow rich standard library
- **pandas:**
“pandas is an open source, BSD-licensed library providing high-performance, easy-to-use data structures and data analysis tools for the Python programming language.”
- Written 2008 by Wes McKinney while at AQR Capital Management for high performance quantitative analysis

Examples

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Examples

- Merging rows
⇒ <http://uwezieghagen.de/?p=3381>
- Generation of payment overviews
⇒ <http://uwezieghagen.de/?p=3350>
- Creation of donation receipts with \LaTeX
⇒ <http://uwezieghagen.de/?p=3359>

Literature

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Examples

Besides Stackexchange. . .



“Learning pandas”, Michael Heydt, 2015



“Mastering pandas for Finance”, Michael Heydt, 2015



“Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython”, Wes McKinney, 2012



“Python Data Analytics: Data Analysis and Science using pandas, matplotlib and the Python Programming Language”, Fabio Nelli, 2015