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Bachelor Thesis

Examining big data through a self-programmed web scraping tool

Information is a valuable asset, but without finding ways of identifying, analyzing, structuring, and clustering the right data, it cannot develop its full value. Furthermore, this circumstance is increasingly hampered by the enormous amount of available data, so-called big data. Therefore, organizations that succeed in handling data have better chances to compete in the market. However, not only businesses but also research can benefit from data analytics by employing the right tool.

Thus, this thesis aims at designing and developing a web scraping tool to enhance big data examination. Besides, the tool's effectiveness shall be demonstrated in a specific use case. Furthermore, the tool's performance and efficiency shall be assessed.

Empfohlene Einstiegsliteratur:

- Mitchell, R. (2018). Web Scraping with Python: Collecting More Data from the Modern Web, 2. Auflage, O'Reilly Media.
- Munzert, S., Rubba, C., Meißner, P., & Nyhuis, D. (2014). Automated data collection with R: A practical guide to web scraping and text mining. John Wiley & Sons.

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