

Improving the Data Migration Process through Automated Verification and Cleansing Using Artificial Intelligence

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Graduation thesis · 2025

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The thesis explores improvements to data migration through the automation of verification, mapping, and cleansing using artificial intelligence. The practical approach begins with a comparison against manual verification procedures, in which data are checked and aligned through spreadsheet tools and rules, and then analyses the possibility of automating part of the process. The methodology focuses on identifying inconsistencies, comparing results, and evaluating processing time and reliability. The results show that automation can significantly accelerate the process and reduce routine human work, leaving more time for analysis and the resolution of complex problems. At the same time, the thesis emphasises the need for clear rules and human oversight when interpreting the results.

Keywords: Data migration · Artificial intelligence · Automation