
The European One-Stop-Shop for Artificial Intelligence and Machine Learning for Official Statistics (AIML4OS): WP8 Use Case focused on data editing

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Abstract

The AIML4OS project, a strategic initiative within the European Statistical System (ESS), aims to advance AI/ML in the production of official statistics. This four-year project involves a consortium of 14 countries, including 13 Member States and Norway, to develop innovative solutions and use cases for AI/ML-based statistical production. This talk provides an overview of the structure and early work in Work Package 8 (WP8), which focuses on leveraging AI/ML to enhance automation, efficiency, and quality in data editing. The work package primarily focuses on the error detection (e.g., outlier detection) and error localization aspects of data editing. This complements WP9, which focuses on error correction through imputation.

WP8 aims to explore practical examples and the impact of AI/ML on workloads in statistical offices. By developing and analyzing diverse approaches for different dataset types, WP8 seeks to create standardized procedures for specific scenarios. Currently, countries are in the early phase of the project, presenting their projects and ideas to each other, which provides very interesting insights. This talk will offer a brief overview of these developments.