

EUREDIT Workpackage 4/5.2

Develop & evaluate new methods for statistical outlier detection & outlier robust multivariate imputation

The workpackages WP4.2 and WP5.2 of Euredit have been merged into one workpackage WP4/5.2 called "Develop and evaluate new methods for statistical outlier detection and outlier robust multivariate imputation". This deliverable contains material for the following original deliverables:

Code	Description
D4.2.1	Report describing methodology and results of evaluation for methods in WP4.2.
D4.2.2	Algorithms used to implement and evaluate the methods of WP4.2.
D5.2.1	Report detailing the methodology and results for outlier robust multivariate imputation.
D5.2.2	Software used to implement and evaluate these methods.

The deliverable is split into parts according to the partners involved:

Part	Partner	Authors	Title	File-name
A	USoton	Zhao Xinqiang & Ray Chambers	Outlier identification and imputation using robust regression trees	D45-2-12-A1.pdf
		Ruilin Ren & Ray Chambers	Outlier robust methods: Outlier robust estimation and outlier robust imputation by reverse calibration	D45-2-12-A2.pdf
		Adao Hentges	Robust multivariate outlier detection based on forward search methods	D45-2-12-A3.pdf
		Adao Hentges	Robust outlier detection via forward search: Application to the ABI dataset	D45-2-12-A4.pdf
		Ray Chambers, Adao Hentges and Xinqiang Zhao	An Evaluation of the Performanace of the WAID and Forward Search Approaches to Outlier and Error Identification in the 1998 ABI Data Set.	D45-2-12 A51.pdf D45-2-12 A52.pdf
B	CBS	Robbert Renssen, Marc Smeets and Sabine Krieg	Dealing with representative outliers in survey sampling: Methodology	D45-2-1-B.pdf
		Robbert Renssen, Marc Smeets and Sabine Krieg	Dealing with representative outliers in survey sampling: Algorithms	D45-2-2-B.pdf
C	SFSO	Cédric Béguin, Beat Hulliger	Robust Multivariate Outlier Detection and Imputation with Incomplete Survey Data	D45-2-12 C.pdf
D	Qantaris	Oliver Lübke, Philip Kokic, Jens Breckling	A semi-parametric approach to multivariate expectiles for outlier detection	D45-2-12 D.pdf