Glossary

Introduction

The UNECE Working Group on Statistical Data Editing and its predecessor, the Data Editing Joint Group, have developed this glossary as part of the programme of work of the Conference of European Statisticians. The present version is the fruit of our labour over the past decade or so. Many of the group's members contributed, but particular thanks are owed to Dania Fergusson and William Winkler for their efforts in, respectively, initiating and completing the work.

The main aim of this glossary is the standardization of terminology related to statistical data editing and imputation, both within and between statistical organizations. It is only when we have a common understanding of the terminology that we can pursue meaningful and efficient discussion of the topic. This glossary contains definitions of over 180 concepts, principles, techniques as well as methods.

This glossary is not, and probably never will be, a finished document. Related terms need to be linked, missing definitions added, and outdated definitions modified. However, its usefulness will be derived only if it is made public, and if the public is invited to make it grow. We hereby request your additions, commentaries and examples in order for us to be able to make this 'living document' evolve in a way that would make it remain as current and up to date as possible. These comments can be sent to support.stat@unece.org.

A version of this glossary was published in 2000, but the definitions in the alphabetical listing below may be more up to date.

Alphabetical Listing

Click to expand...

- Acceptance Region
- Acceptance Rule
- Active Field
- Analysis of Correction Rules
- Analysis of Edit Rules
- Analytical Editing
- ARIMA Models*
- Arithmetic Edit
- Audit Trail
- Autocorrection
- Automated Data Adjustments
- Automated Data Review
- Automated Imputations
- Balance Edit
- Banff
- Batch Data Review
- CAI (Computer-Assisted Interviewing)
- CASIC (Computer-Assisted Survey Information Collection)
- Check Digit
- Checking Rule (edit rule)
- Checking Rule Specification (edit rule specification)
- Class Attribute Check
- Code List (list of code words)
- Code Redundancy
- Code Space

- Code Structure Check
- Code Structure Validation
- Cold-Deck
- Complete Set of Conflict Rules
- Complete Set of Edits
- Completeness Checking
- Composition Check
- Conditional Edit
- Conflict Rule (rejection rule)
- Consistency Check
- Consistency Edit
- Consistency Error
- Consistent Edit
- Correction Base
- Correction Cycle*
- Correction of Errors in Data
- Correction Rule
- Creative Editing*
- Data Capture
- Data Checking
- Data Collection
- Data Correction (correction of errors in data)
- Data Editing
- Data Field
- Data Imputation
- Data Item (data field)
- Data Quality*
- Data Redundancy
- Data Review (data checking)
- Data Validation
- Data Validation According to a List
- Deck Imputation
- Deductive Imputation
- Detection of Errors in Data (error detection)
- Deterministic Checking Rule
- Deterministic Edit
- Deterministic Imputation
- Donor (imputation)
- EDI (electronic data interchange)*
- Edit Rule
- Edit Rule Specification
- Edit(ing) Matrix

- Editing Bounds
- Editing Code
- Editing Indicators (editing flag, editing code)*
- Editing Match (matching fields, statistical match)
- Editing Measure*
- Editing of Individual Data
- Editing of Individual Records
- Editing of Logical Units
- Editing Procedure
- Editing Rationality
- Electronic Data Interchange
- Electronic Questionnaire
- Error Detecting Character
- Error Detecting Characters (check digit)
- Error Detection
- Error Diagnostics
- Error Localization
- Error Statistics
- Evaluation of Editing
- Expert System
- Explicit Edit
- Explicitly Defined Conflict Rule
- Failed Edit Graph
- Fatal Edit
- Fatal Errors
- Feerd-Hastly Method
- Fellegi Factor Check
- Fellegi-Holt Systems (tenets, principles)
- Fitting (fixed constraint check, range check)
- Fixed Constraint Check
- Formal Edit (functional check, arithmetical edit)
- Functional Check
- GEIS (Generalized Edit and Imputation System)
- Generated (versions of) Questionnaires
- Graphical Editing
- Heads Down Data Entry
- Heads Up Data Entry
- Hierarchical Editing (risk index, priority index, hit rates)
- Holt Method for Autocorrection
- Hot-Deck
- Hot-Deck Imputation

- Implied Conflict Rule
- Implied Edit (implicit edit)
- Imputation
- Imputation Variance
- Inlier
- Input-editing
- Integrated Survey Processing
- Interactive Data Review
- Interactive Editing
- Least Squares Method for Autocorrection (Feerd-Hastly method)
- Linear Edits
- List of Code Words
- Logical Condition Check
- Logical Level of the Checking Rule
- Macro-Edit (selective edit)
- Manual Correction
- Manual Data Review
- Matching Fields
- Micro-Editing
- Minimal Set of Conflict Rules
- Minimal Set of Fields to Impute
- Mixed Imputation
- Model-based Imputation
- Monitoring of Editing
- Monte-Carlo Method for Autocorrection
- Multi-Level Modeling Imputation
- Multivariate Edit
- Neural Networks*
- NIM (New Imputation Methodology)
- Non-linear Edits
- Normal Form of Conflict Rule
- On-line Correction
- Outlier
- Over-editing
- Probabilistic Checking Rule
- Probabilistic Imputation
- Qualitative Data
- Quality Control
- Quantitative Data
- Query Edit
- Query Errors
- Range Check

- Ratio Edit
- Rejection Rule (conflict rule)
- Repeatability (reproducibility)
- Report on Errors (error diagnostics)
- Reproducibility
- Score Function
- Selective Editing
- Sequential Correction (sequential imputation)
- Simultaneous Correction (simultaneous imputation)
- SOLAS for missing data analysis
- Specifications Generator
- Statistical Edit
- Statistical Match
- StEPS (Standard Economic Processing System)
- Stochastic Edit
- Stochastic Imputation
- Structure Error
- Subject-Based Edit
- Substantial Edit
- Sum Check
- Survey Management
- Systematic Error
- Total Quality Management (TQM)*
- TQM Approach to Editing
- Transposition Check
- Validation Edits
- Validity Error
- Weighted Minimal Set
- Winsorisation

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