USE OF ADMINISTRATIVE SOURCES IN STATISTICAL BUSINESS REGISTERS

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Can DOĞAN – Head of Business Registers Group
candogan@tuik.gov.tr

CONTENT

- Use of Administrative Records
  - Definitions
  - Data Collection Methods
  - Essentials
  - Processing
  - Practical Issues
  - Advantages & Disadvantages

- Use of Administrative Records in Statistical Business Registers

DATA COLLECTION METHODS

- Enumerations
- Sampling
- Use of Administrative Sources
- Other

DEFINITIONS

Administrative Information

Administrative sources containing information that is not primarily collected for statistical purposes

Statistical Information

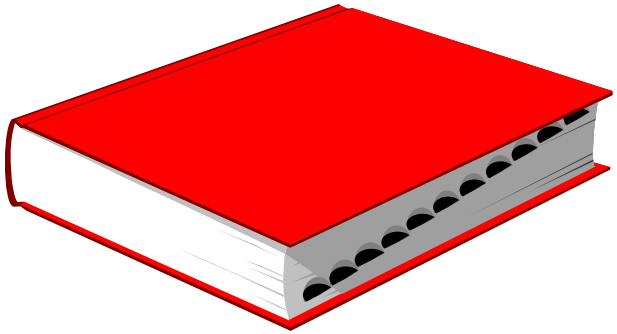
Generated according to a methodology

ESSENTIALS

- Legal Base
- Official Statistics Programme
- Public Opinion
- Use of Common Identifier

LEGAL BASIS

- Turkish Statistical Law
- Statistics Council of Turkey
- Production of Official Statistics
- Access to Administrative Records
- Confidentiality



OFFICIAL STATISTICS

- A platform all public institutions contribute
- Task Forces
- Share of data between bodies
- Efficiency in the production processes - Escaping the double-effort

PUBLIC OPINION

- Awareness
- Openness & Transparency
- Trust

COMMON IDENTIFIER

- Use of Common Identifier
- Good metadata standards
- Classifications
- Good IT support

ADVANTAGES

- Lower Cost
  - *Less survey*
- Lower Response Burden
  - *Less Questions*
- No sampling Error
- Up-to-date information
  - *Demographic variables especially*
- Frequent data cycle
  - *Alive data is possible*

DISADVANTAGES

- No standard definition of units
- Classification
- Timeliness (reference date)
- Challenges of controlling too many data sets
- Priorities of administrative body-owner of data
- Issues for short term data
- Updating rules (order)

TYPES OF ADMINISTRATIVE RECORDS

- Tax Records
- Social Security Records
- Health Records
- Training Records
- Address Databases
- Professional Associations Registrations
- Farmer Records
- Other

DIFFICULTIES IN USING ADMINISTRATIVE RECORDS

- Sensitivity of the public to data sharing
- Data provider resistance
- Incompatibility between units
- Mismatch of variable definitions
- Classification differences
- Timeliness issues
- Inconsistency between data sources
- Resistance to change

QUALITY IN ADMINISTRATIVE RECORDS

- Quality of incoming data
- Data processing quality
- Quality of statistical output
- Metadata quality

DATA MATCHING

- With or Without a Common Identifier
  - Match
  - Unmatch
  - Potential Match
  - False Match
  - False Unmatch

PROCESSING

Administrative Records

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Statistical Methodology Study

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Statistical Records

Processing of Records

- DataEdit
- Missing values
- Matching
- Time reference
- Generating the units
- Generating variables

Processing of Quality

- Cooperation with Data Suppliers
- Data Control
- Imputation
- Incorrect matches
- Detecting inconsistiencies
- Metadata issues
- Surveys for better data

Thank you for your attention!