

USE OF ADMINISTRATIVE SOURCES IN STATISTICAL BUSINESS REGISTERS

Training Course on "Statistical Business Registers" under SESRIC Statistical Capacity Building Programme
April 1-2, 2024
Online

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



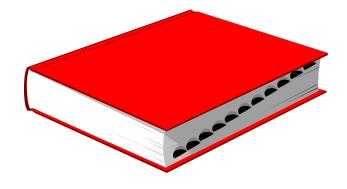
ESSENTIALS

- 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 doubleeffort



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

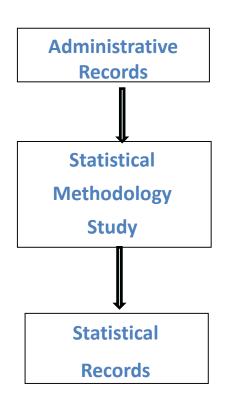


DATA MATCHING

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



PROCESSING



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!