ADMINISTRATIVE REGISTERS IN STATISTICAL BUSINESS REGISTERS

MODULE 2

*Webinar on "**Transforming Administrative Registers for Statistical Data Production**"*

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CONTENT

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

- **Use of Administrative Records in Statistical Business Registers**
  - Business Registers System
  - Business Demography
  - Enterprise Groups

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

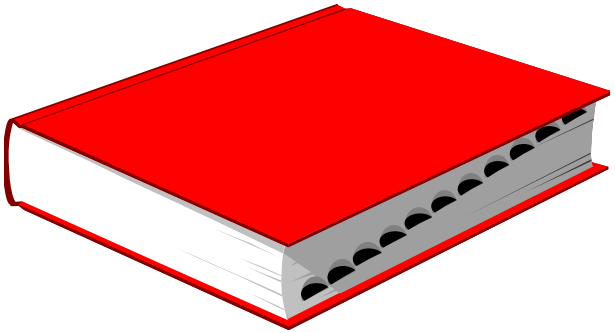
Generated according to a methodology

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

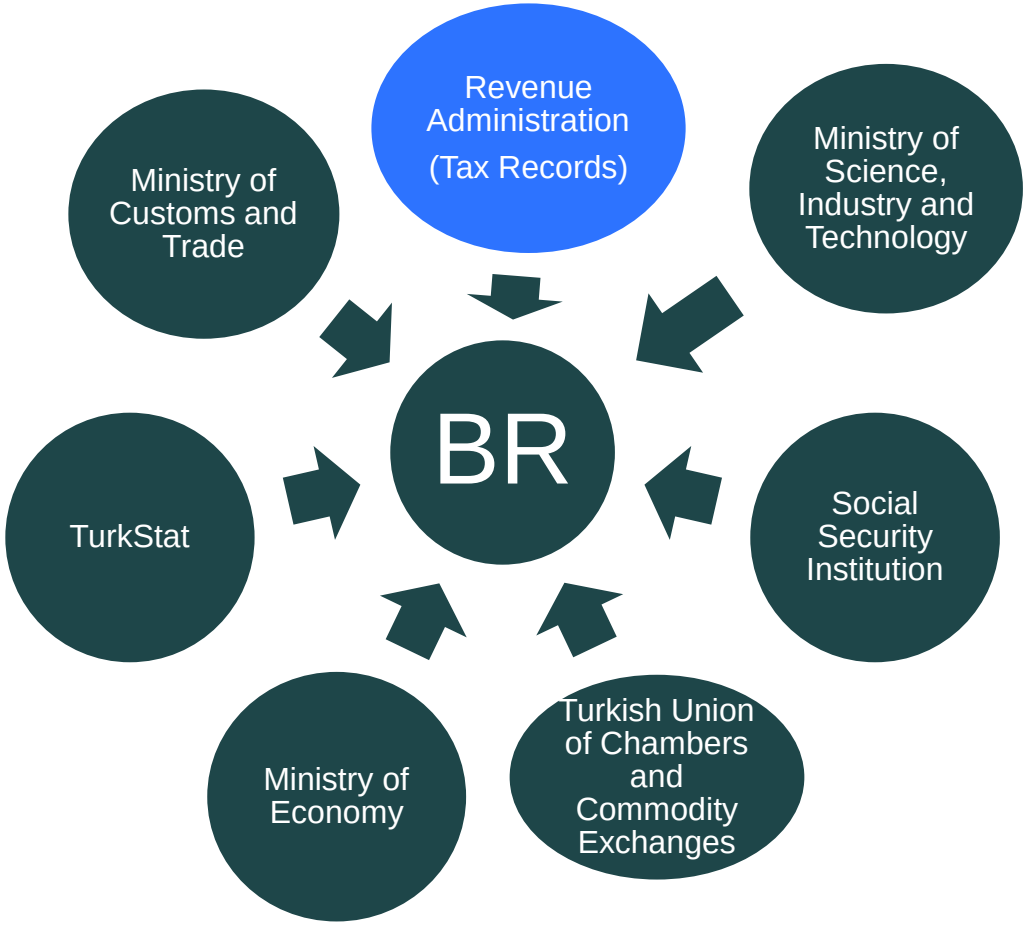
QUALITY IN ADMINISTRATIVE RECORDS

- 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

ADMINISTRATIVE SOURCES IN SBR

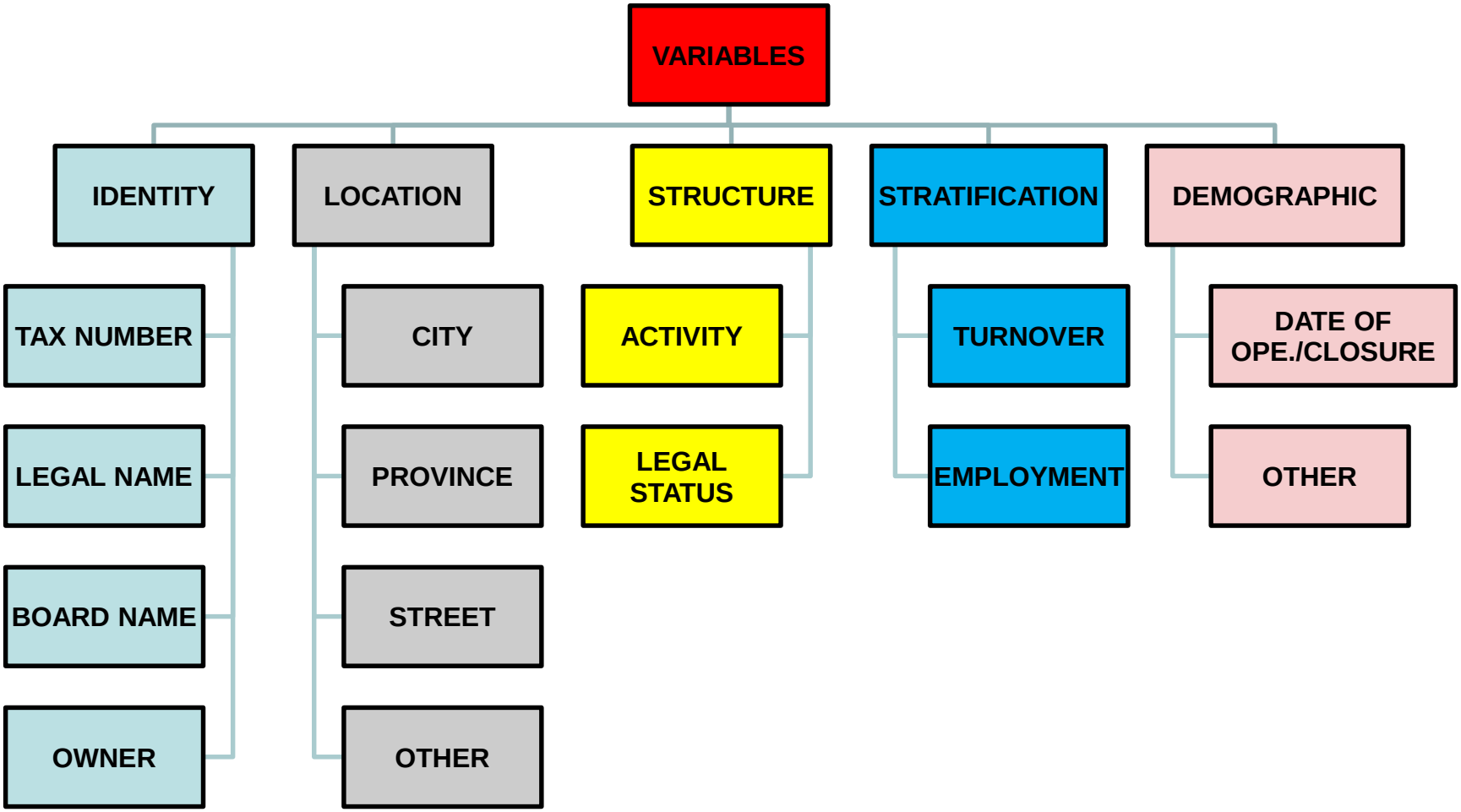


ADMINISTRATIVE SOURCES IN SBR

Scope of variables

- ✓ *Identification variables*
- ✓ *Contact variables*
- ✓ *Geographical variables*
- ✓ *Activity information*
- ✓ *Classifications*
- ✓ *Size-classes*
- ✓ *Dates of changes*
- ✓ *Source of information*

VARIABLES


VARIABLES
IDENTITY
LOCATION
STRUCTURE
STRATIFICATION
DEMOGRAPHIC
TAX NUMBER
LEGAL NAME
BOARD NAME
OWNER
CITY
PROVINCE
STREET
OTHER
ACTIVITY
LEGAL STATUS
TURNOVER
EMPLOYMENT
DATE OF OPE./CLOSURE
OTHER

UNITS IN SBR

Some units not statistical:

- **Legal unit** - Recognized by law and registered officially
  - ✓ *Legal persons*
  - ✓ *Natural persons*
  - ✓ *Local legal units*
- **Administrative units**
  - ✓ *VAT, TAX, Social security*
- **Operational unit**
  - ✓ *Organizational*
  - ✓ *Productive*
- **Observational unit**
  - ✓ *The unit about which data are reported*
- **Reporting unit**
  - ✓ *Legal unit*
  - ✓ *Administrative unit*

ADMINISTRATIVE SOURCES IN SBR

- The benefits from using tax records as a source
  - Extensive in terms of coverage
    - All legal entites (legal persons, sole proprietors, government bodies and bodies of local and regional self-government units etc.)
  - Central database
  - Common identifier at the level of local unit/enterprises
  - Available for a daily webservice flow
  - Revenue Administration’s awareness as a data provider

ADMINISTRATIVE SOURCES IN SBR

- Social Security Records
  - Employment
  - Indicator for active units
  - Address, NACE activity
  - Unmatching units (different unit definitions)

ADMINISTRATIVE SOURCES IN SBR

- Other sources for specific sectors
  - Surveys (Prodcom etc.)
  - Ministry of Health (for NACE activity and institutional sectors)
  - Ministry of Education (for NACE activity and institutional sectors)
  - Ministry of Transportation (for NACE activity and institutional sectors)
  - etc.

- Linking data from more than one source
  - Common key problem
  - Unstandardized addresses
  - Different information

ADMINISTRATIVE SOURCES IN SBR

Source	Frequency	Variable
Revenue Administration	Daily	Openings/Closures Changes of name, address
Revenue Administration (tax declarations)	Monthly Quarterly Annually	Activity status Net turnover Employment
Social Security Instituion	Monthly	Employment
Statistical surveys	Monthly Annually	Main activity on enterprises & local units
Other administrative records	Annually	Main activity Institional Sector Code

Thank you for your attention!