Admin Data Management: Acquisition, Validation, Cleansing, Calibration

Labour Market Statistics: Harmonization and Analysis of Administrative Data Sources

22-24 October 2019
Putrajaya- Malaysia
Admin Data Management

- Business Registers
- Revenue Administration Records
- Social Security Institution Records

Annual Business Statistics Departement
Labour Input Indicators Group
Admin Data Management

Data Transfer from Administrative Source to TURKSTAT

Structure and Integrity Checks

Anonymization, Classification and Coding

Authorization of Subject Matter Units for Data Processing
Admin Data Management

Step 1 ➔ Step 2 ➔ Step 3 ➔ Step 4

Step 8 ← Step 7 ← Step 6 ← Step 5
Admin Data Management

Step 1

Step 2

Step 3

Step 4

Step 8

Step 7

Step 6

Step 5

Reminder
Sending
Admin Data Management

Step 1
Reminder Sending

Step 2
Transfer of Raw Admin Data to TurkStat

Step 3

Step 4

Step 5

Step 6

Step 7

Step 8
Admin Data Management

Step 1: Reminder Sending
Step 2: Transfer of Raw Admin Data to TurkStat
Step 3: Initial Controls of Transferred Data
Step 4

Step 5
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Admin Data Management

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Admin Data Management

Step 1: Reminder Sending
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Admin Data Management

**Step 1:** Reminder Sending

**Step 2:** Transfer of Raw Admin Data to TurkStat

**Step 3:** Initial Controls of Transferred Data

**Step 4:** Transfer of admin data from the workstation to related database scheme

**Step 5:** Creating Indexes for the Tables

**Step 6:** Structure and integrity checks

**Step 7:** Transfer of admin data from the workstation to related database scheme

**Step 8:** Reminder Sending
Admin Data Management

File Sizes
Admin Data Management

File Sizes

Number of tables and table fields
Admin Data Management

File Sizes

- Table and field names, types, and empty fields

Number of tables and table fields
Admin Data Management

- File Sizes
  - Table and field names, types, and empty fields

- Number of tables and table fields

- Consistency of row counts of tables in overlapping periods
Admin Data Management

- Table and field names, types, and empty fields
- Expected row counts of tables for reference period

File Sizes

- Number of tables and table fields
- Consistency of row counts of tables in overlapping periods
Admin Data Management

<table>
<thead>
<tr>
<th>File Sizes</th>
<th>Table and field names, types and empty fields</th>
<th>Expected row counts of tables for reference period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of tables and table fields</td>
<td>Consistency of row counts of tables in overlapping periods</td>
<td>Duplicate records</td>
</tr>
</tbody>
</table>
# Admin Data Management

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<thead>
<tr>
<th>File Sizes</th>
<th>Table and field names, types and empty fields</th>
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<th>Presence of high value-added statistical units</th>
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**Annual Business Statistics Departement**

Labour Input Indicators Group

1.04.2021
## Admin Data Management

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<tr>
<td>Number of tables and table fields</td>
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<td>Duplicate records</td>
<td>Descriptive statistics of basic variables</td>
</tr>
</tbody>
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Admin Data Management

Step 1: Reminder Sending
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Step 7: Anonymization, Classification and Coding
Step 8: Authorize subject matter units to use the data
Admin Data Management

- Data Integration
- Editing and Checking for Internal Consistency
- Imputation
- Corporate Data