بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
IRANSTARS

Iran’s Statistical Registers System

Approved by Iranian High Council of Statistics in 2014
Wrong Idea: Producing statistics directly from the administrative data.

Administrative goals differ from statistical purpose.
Register-statistical processing

- Editing data
- Assigning codes to data
- Handling missing data
- Processing the reference times
- Adjusting definitions of objects and variables
- Creating new objects or variables (Derived from existing objects and variables)
IRANSTARS’s Conceptual Model

PIN: Personal Identity Number
BIN: Business Identity Number
LIN: Location Identity Number
RIN: Record Identity Number

Other registers related to population
SPR (Population)
RIN = PIN
RINS = (LIN & PIN)

Other registers related to real estate
SRER (Real Estate)
RIN = LIN

Other registers related to business
SBR (Business)
RIN = BIN
RINS = (LIN & BIN)

Other registers related to activity
SAR (Activity)
RIN = PIN
RINS = (BIN & PIN)

PIN: Personal Identity Number
BIN: Business Identity Number
LIN: Location Identity Number
RIN: Record Identity Number
Main Usage of the System

Who does what activity in what business and in which place?

Of course from the statistical point of view
# Main Variables of Population Register

<table>
<thead>
<tr>
<th>Name</th>
<th>Mother’s Name</th>
<th>Divorce Status</th>
<th>Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family name</td>
<td>Mother’s national ID number</td>
<td>Date of divorce</td>
<td>Date of death</td>
</tr>
<tr>
<td>National ID number</td>
<td>Gender</td>
<td>Spouse’s national ID number</td>
<td>Cause of death</td>
</tr>
<tr>
<td>Birth certificate number</td>
<td>Religion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of birth</td>
<td>Marital Status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place of birth</td>
<td></td>
<td>Date of marriage</td>
<td></td>
</tr>
<tr>
<td>Father’s name</td>
<td></td>
<td>Spouse national ID number</td>
<td></td>
</tr>
<tr>
<td>Postal code of residence</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activity status</td>
<td>Being unable to work (Yes/No)</td>
<td>Retirement (Yes/No)</td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------------</td>
<td>-------------------</td>
<td></td>
</tr>
<tr>
<td><strong>Student</strong></td>
<td>• Cause</td>
<td>• Responsible organization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Time</td>
<td>• Retirement age</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Work experience</td>
<td></td>
</tr>
<tr>
<td><strong>Employed</strong></td>
<td>• Type of employment (public sector, private sector,…)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Name of the employer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Postal code for place of employment</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Unique ID for place of employment</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Unemployed</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Name
  - Family name
  - National ID number

- Activity status
- Retirement (Yes/No)
## Main Variables of Business Register

<table>
<thead>
<tr>
<th>Title for Place of Business</th>
<th>Name of permit holder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postal code for place of business</td>
<td>National code of owner(s)- legal person</td>
</tr>
<tr>
<td>Main activity</td>
<td>Legal status of the work place</td>
</tr>
<tr>
<td>ISIC code of main activity</td>
<td>Address of the headquarter</td>
</tr>
<tr>
<td>Possession status</td>
<td>Phone No. of the headquarter</td>
</tr>
<tr>
<td>ID No. of owner(s)- Natural identity</td>
<td></td>
</tr>
<tr>
<td>National code of owner(s)- legal entity</td>
<td></td>
</tr>
<tr>
<td>Activity status (active/inactive)</td>
<td>Work phone Number</td>
</tr>
<tr>
<td>Number of staff</td>
<td></td>
</tr>
<tr>
<td>Type of permit</td>
<td></td>
</tr>
<tr>
<td>Number of permit</td>
<td></td>
</tr>
<tr>
<td>Date of permit</td>
<td></td>
</tr>
<tr>
<td>Expiry date of permit</td>
<td></td>
</tr>
</tbody>
</table>
## Main Variables of Real Estate Register

<table>
<thead>
<tr>
<th>Postal code</th>
<th>Property usage type</th>
<th>Type of materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Area of property</td>
<td>No. of registered plaque</td>
</tr>
</tbody>
</table>

- Possession status
- ID No. of owner(s) - Natural identity
- National code of owner(s) - legal entity

<table>
<thead>
<tr>
<th>Name of residents</th>
<th>No. of floors</th>
<th>Phone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>National ID number of residents</td>
<td>Construction year</td>
<td>Type of building</td>
</tr>
</tbody>
</table>
General Objectives

1. Register-based national population and housing census.

2. Production of new, accurate, timely and continuous statistics regarding social, economic and cultural characteristics for all macro level decision making.

3. Preparation of statistical frames required for using in surveys and control and improvement of surveys quality (census and sampling survey).

4. Improvement of surveys’ quality by improving the statistical frameworks.

5. Decreasing response burden

6. Exchange of data among government agencies through linking their administrative registers
Phase 1: study, planning and paving the way

Phase 2: Collecting required administrative registers

Phase 3: System establishment

Phase 4: Production and dissemination of register-based statistics and updating the system
Population register

Ministry of Interior (including Civil Registration Organization)
Activity register

Ministry of Interior (including Civil Registration Organization)
Business Register

Ministry of Economic Affairs including Tax Organization)
Real estate register

Ministry of Communications and Information Technology (including Post of Iran)
• Population census and housing
• Life Events register
• Subsidies register
• Legal addresses
• Entrance to and departure from the country register
• Foreigners register

• Post register
• Cadaster register
• Mortgages register
• Billing records register (electricity-gas-telephone-water)

• Social Security register
• Country retirement register
• Government employees
• Students register
• Job ID, Education, and Skill register
• Unemployment Insurance register

• Tax register
• Post register
• Unions registers
• Social welfare register
• Forming 5 **Technical Committees:**
  – Four **Register Committees**
  – One **IT and infrastructure committee**
• Determining executive steps as follow:
  1. Literature Review and completion of comparative studies
  2. Providing the primary list of related databases
  3. Identifying and visiting information systems related to databases
  4. Following up activities about creating and improving administrative records by administrative authorities
Some Challenges

- Micro data transfer
- Data coverage
- Consistency
- Confidentiality
- Incompatibility of definitions and classifications
- Common use of identifiers (ID/ Postal codes)
- Updating mechanisms
- Quality assessment
5. Presenting the plan for the cabinet

6. Issuing two nationwide circulars
   - Vice president: One-way micro data submission
   - Head of Budget and Planning Organisation: budget cut for not providing the data

5. Getting database records related to base and auxiliary registers

6. Checking databases (files) and providing modifications to administrative authorities

7. Creating base registers

8. Connecting auxiliary registers to base registers and Create IRANSTARS

9. Updating and maintaining IRANSTARS
List of the Main Databases

1- **Iranians Identities:** National Organization for Civil Registration.

2- **Properties and cadaster:** State Organization for Registration of Deeds and Properties.

3- **Vehicles’ Identities:** Police Department.

5- **Goods and Services (Iran Code):** Ministry of Industry, Mine and Trade.

6- **Public Services and Processes:** Management and Planning Organization.

7- **Geocoded National Address File:** Post of Iran

8- **National Financial and Monetary System:** Ministry of Economic Affairs and Finance / Central Bank

9- **National Statistical Network:** Statistical Centre of Iran

10- **National Health:** Ministry of Health and Medical Education

11- **National Insurance:** Ministry of Cooperatives, Labors and Social Welfare

12- **Spatial Data Infrastructure:** Management and Planning Organization

13- **Targeted Subsidies:** Subsidies Organization
More:

- Got more than 500,000,000 records from
  - Post of Iran
  - Tax Organization
  - Unions
  - Ministry of education
  - Subsidies organization
- Compared some files with census:
- Integrated post, tax and unions files together to make the list of businesses as primary business register
- Updated establishments framework
- Assigned zip codes to maps
Thank You Very Much