

Administrative Data & Governance

TCA Anant

What is Administrative Data

- Purpose of collection
 - Badami Temples- attendance
 - Kautilya-Arthashastra- taxes, defence..
- Censuses
 - Ancient Egypt
 - Arthashastra
- Church records
 - Births and Deaths
- Modern times
 - Rise of Computers

Sources of administrative data

- Application / Registration forms
 - Registration data under GST
 - Location
 - Production details
 - Pan Number
 - HSN or SAC code
- Operational records
 - Regular returns under GST
 - Production by HSN/SAC code
 - Input Usage
- Financial records

Organisation of the administrative database

- Objects
 - People
 - Establishments
 - Buildings/cars/land
- Attributes
 - Income
 - Production, inputs,
 - Design
- Time
- Space

Identifiers

- Object identifiers
- Ancient times: Abhivade Rishis, gotras, ...
- Modern requirements
 - Pan
 - Adhaar
 - Postal codes
 - Building addresses
 - GPS coordinates
- Interlinking of identifiers
- The internet era
 - The cookie

Post war Developments

- Nordic countries developed using registers from the early 1950's
 - The *Statistical archive system* was introduced at the Helsinki Conference of Nordic Statisticians in 1960 as a data system in which all elements were directly or indirectly identified by identifiers from official identification systems
- Concerns of Privacy
 - Privacy from whom
 - From the state, from corporates, from WWW of data users
 - Role of Service providers and Digital records
- Requirements of the State
 - National Security
 - Law Enforcement
 - Welfare Measures
- DPDP Act 2023 Distinguishes between this different uses.

India: Some examples

- DGCIS
 - Uses shipping bills to generate Trade data
- RBI
 - Banking statistics
- Agriculture
 - Land records are used along with survey techniques to generate yield and output estimates.
- National Accounts & The MCA database
- Possibility for the future the GST database, Smart Tags and the RFID database
 - Price statistics from transaction data.

Uses of Administrative Data

- Generate statistical products
 - Tax & Production estimates
 - Govt Consumption
 - National Accounts: MCA database
- Develop new products:
 - Inter district trade
 - Sub regional accounts
- Frames for statistical activity
 - Quality issues as reforms make some administrative frames obsolete
 - Shift to new frames

Data Sharing

- Data warehouses
 - Possible inside hierarchical structures, where the accessing entities report to a common authority.
- API
 - Use specific
- Block Chains
- ICEGATE:
 - Shares data with RBI, DGFT, DGCIS

Possibilities for the Future

- GST Database
 - Registration Information
 - How does it differ from other registers?
 - Can it be used to improve them?
 - Example Chief Inspector of Factories
 - Monthly and Quarterly filings
 - Eway Bills
- Institutional Structures for Data sharing and Analysis
 - Similar of DGCIS
 - Secure Data centres!

The future is in Administrative Data

- Surveys are expensive
- If admin data can be commercialized
 - Will reduce cost of service delivery
 - But.. Privacy
- Govt sits on a gold mine. The challenge is to figure out ways to access it,