Quality of Statistical Information

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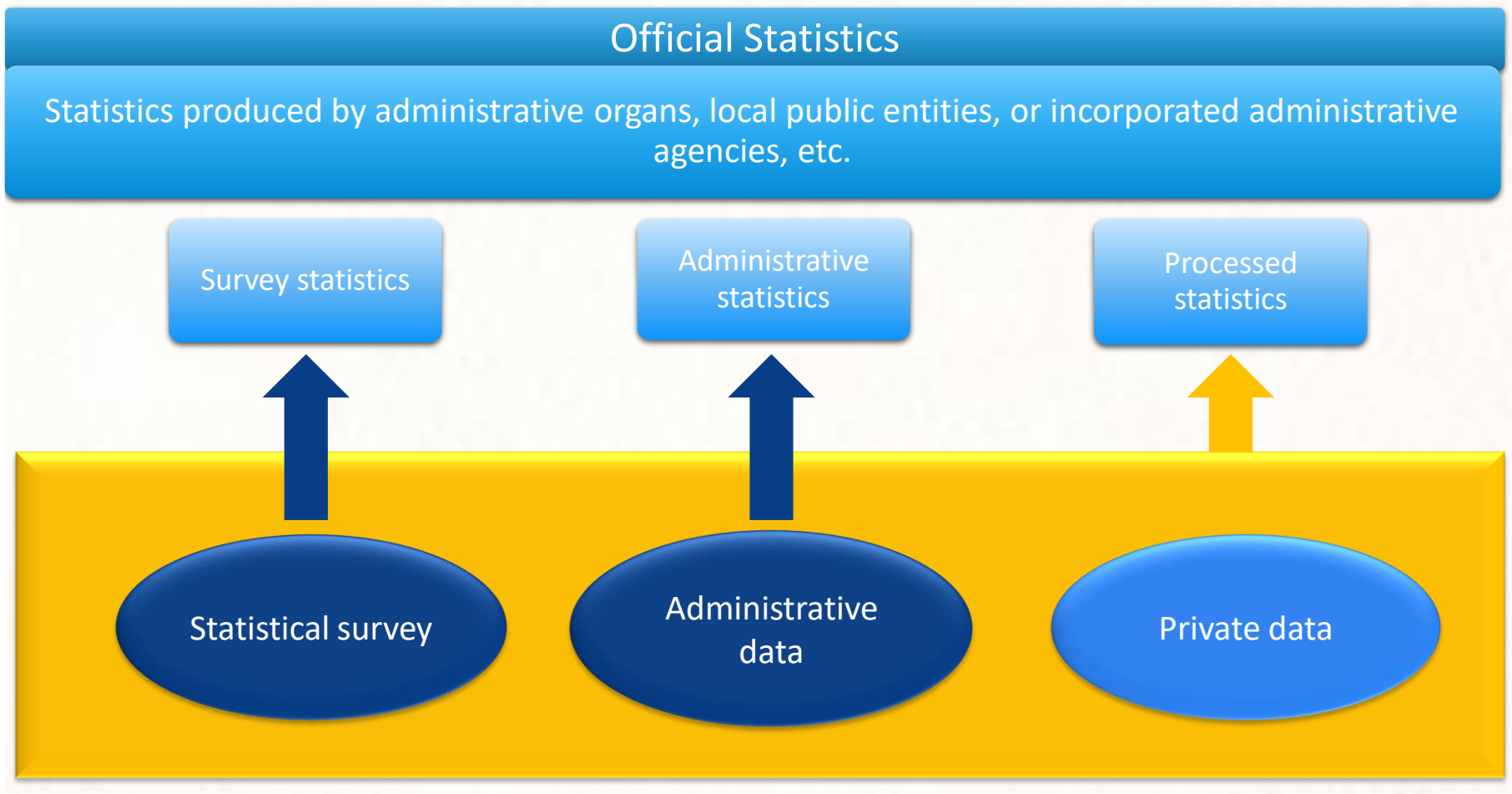
Statistics vs. Official Statistics

Statistics

Numerical data relating to an aggregate of individuals; the science of collection, analyzing and interpreting such data

Official Statistics

Statistics that are produced according to rigorous quality standards and released by government agencies to the public
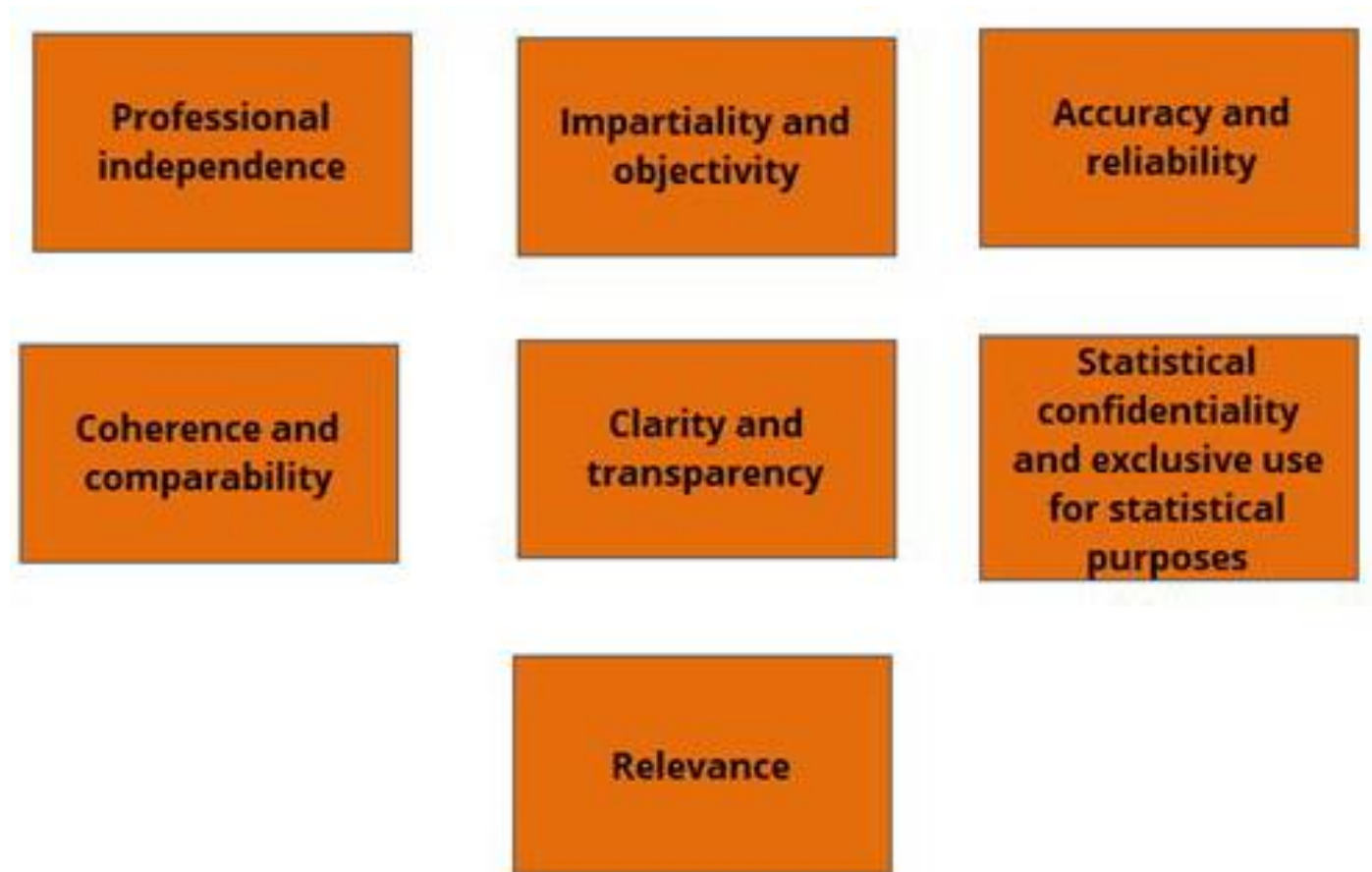
What are Official Statistics?

Official Statistics

Statistics produced by administrative organs, local public entities, or incorporated administrative agencies, etc.

Survey statistics	Administrative statistics	Processed statistics

Statistical survey	Administrative data	Private data

Current Role of Official Statistics

Characteristics of Official Statistics

Main Principles of Official Statistics

Professional independence

Impartiality and objectivity

Accuracy and reliability

Coherence and comparability

Clarity and transparency

Statistical confidentiality and exclusive use for statistical purposes

Relevance
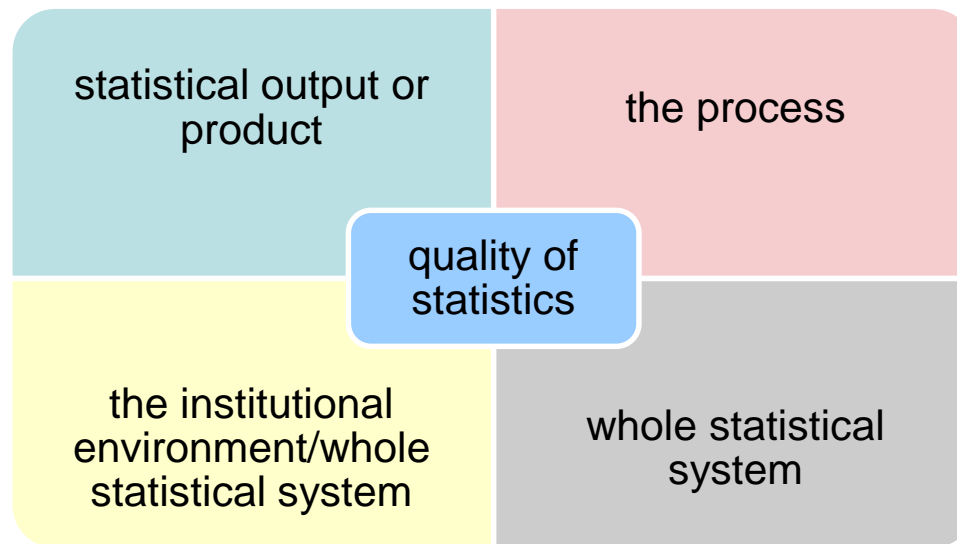
What is Quality in Statistics?

- Quality is the degree to which a set of inherent characteristics of an object fulfils requirements (ISO 9000:2015).

- In the context of statistical organizations, the object is the statistical output or product, the process, the institutional environment or the whole statistical system

A simple definition of quality is "fit for use" or "fit for purpose".

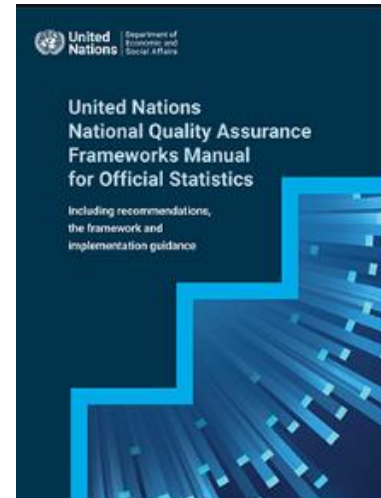| statistical output or product	the process
quality of statistics	
the institutional environment/whole statistical system	whole statistical system

What is Quality in Statistics?

- It is the **users' needs** that define the quality.

- The concept of quality of statistical information is **multi-dimensional**

- For a statistical product:

  - Relevance

  - Accuracy and reliability

  - Timeliness and punctuality

  - Accessibility and clarity

  - Coherence and comparability characterize its quality

- The dimensions of quality are **interrelated** and, there are **trade-offs** between some of them.

Statistical Quality Management Frameworks

- European Statistics Code of Practice (ES CoP)
- The International Monetary Fund's Data Quality Assessment Framework (DQAF)
- UN Principles

Thank you Teşekkürler
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