

The **New World** of Unofficial Data



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DATA

- Data refers to raw, unprocessed facts, figures, or information that are collected, recorded, or observed.
- Data can take various forms, including numbers, text, images, and more.
- Data can be unorganized and lacks meaning on its own.
- It serves as the foundation for generating statistics.

STATISTICS

- Statistics is the process of organizing, analyzing, interpreting, and presenting data in a meaningful and useful manner.
- Statistics transform raw data into valuable information by applying various techniques, methods, and tools.
- Statistics often involve summarizing data using measures such as averages, percentages, standard deviations, and correlations.
- Statistics help in making informed decisions, identifying trends, drawing conclusions, and testing hypotheses.

HOW DATA IS USED

1. Monitoring and Evaluation
2. Resource Allocation
3. Stakeholder Engagement
4. Economic Planning
5. Disaster Preparedness
6. Informed Decision-Making
7. Transparency and Accountability
8. Long-Term Vision
9. Strengthening Partnerships
10. Feedback Mechanism
11. Data Science
12. Big Data
13. Artificial Intelligence (AI):
14. Advanced Information Systems



DATA FORMATS AND TYPES

Digital and Online Data

- Big Data
- Transactional Data
- Web Scraping Data
- Log Data
- IoT Data

Human-Sourced Data

- Citizen-generated Data
- Qualitative Data
- Open Data

Scientific and Technical Data

- Sensory Data
- Satellite and Geospatial Data
- Scientific Data
- Time Series Data

Physical and Biological Data

- Biometric Data
- Healthcare and Medical Data
- Audio-Visual Data
- Audio and Video Data
- Operational and Business Data

DATA FORMATS AND TYPES

Official Data

Definition: Data sourced from governmental agencies, international organizations, or other authoritative institutions.

Examples:

- Census data provides information about the population, demographics, and housing.

Unofficial Data

Definition: Data sourced from non-authoritative or informal sources, including individuals, private entities, and some NGOs.

Examples:

- Citizen-generated data

Citizen-generated data

Citizen-generated data

encompasses a wide range of data types produced by individuals, often with the help of technology or through voluntary participation.

1. Crowdsourced/Crowdfunding Data
2. Social Media Posts
3. Citizen Science Data.
4. Community Surveys
5. Crowdsourced Reviews and Ratings
6. Emergency Reports
7. Volunteered Geographic Information (VGI)
8. Civic Complaints and Requests
9. Online Petitions and Campaigns
10. Community Health Data
11. Environmental Observations
12. Crisis Reporting
13. Consumer Data Cultural and Historical Data

Citizen-generated data

Advantages Citizen-Generated Data:

1. Trustworthy
2. Complements Official Data
3. Real-time Insights
4. Hyper-local Perspectives.
5. Highlights Overlooked Issues.
6. Greater Public Engagement
7. Cost-Effective

Advantages Citizen-Generated Data:

- Accuracy Concerns
- Reliability Issues
- Representativeness
- Potential Biases
- Lack of Standardization
- Privacy Concerns

THE FUTURE OF DATA

Tools and Platforms

- 1.Data Analytics and Spreadsheet Software
- 2.Data Visualization Tools
- 3.Statistical Analysis Software
- 4.Text Analysis Tools
- 5.Geospatial Analysis Tools
- 6.Social Media Analytics Platforms
- 7.Survey and Feedback Analysis Tools
- 8.Web Scraping and Data Extraction Tools
- 9.Machine Learning and AI Tools
- 10.Community Engagement/Crowdsourcing Platforms
- 11.Big Data Tools
- 12.Network Analysis Tools
- 13.Dashboards and BI Tools
- 14.Sentiment Analysis Tools
- 15.Open Data Platforms



The image features a classic 'The End' title card. The text 'The End' is written in a white, cursive, hand-drawn font with a slight drop shadow. It is centered over a black circle, which is itself centered within a series of concentric red circles. The red circles have a gradient, appearing darker towards the edges. The overall composition is symmetrical and visually striking due to the high contrast between the white text, black circle, and red background.

The End