

Data Stewardship

“Individual data collected by statistical agencies for statistical compilation, whether they refer to natural or legal persons, are to be strictly confidential and used exclusively for statistical purposes”

- Principle 6, UN Fundamental Principles of Official Statistics



So, what is Data Stewardship?

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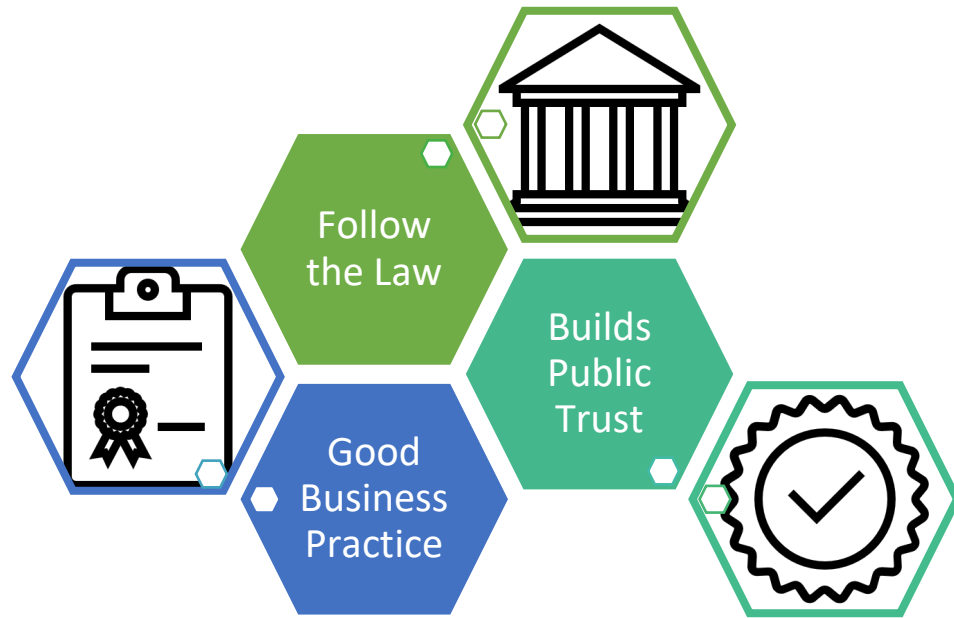
Data Stewardship is the formal, continual process we use to care for the information that is entrusted to us.

This can be information we collect, receive, and release, as well as information about our employees.

Along with the mandate and desire to inform, national statistical agencies have a responsibility to safeguard, to serve as data stewards.



Why do Data Stewardship?



Data Stewardship helps us meet our legal and ethical obligations to respect privacy and protect confidentiality. It establishes trust and respect with the public and other organizations that allow us to do our work.

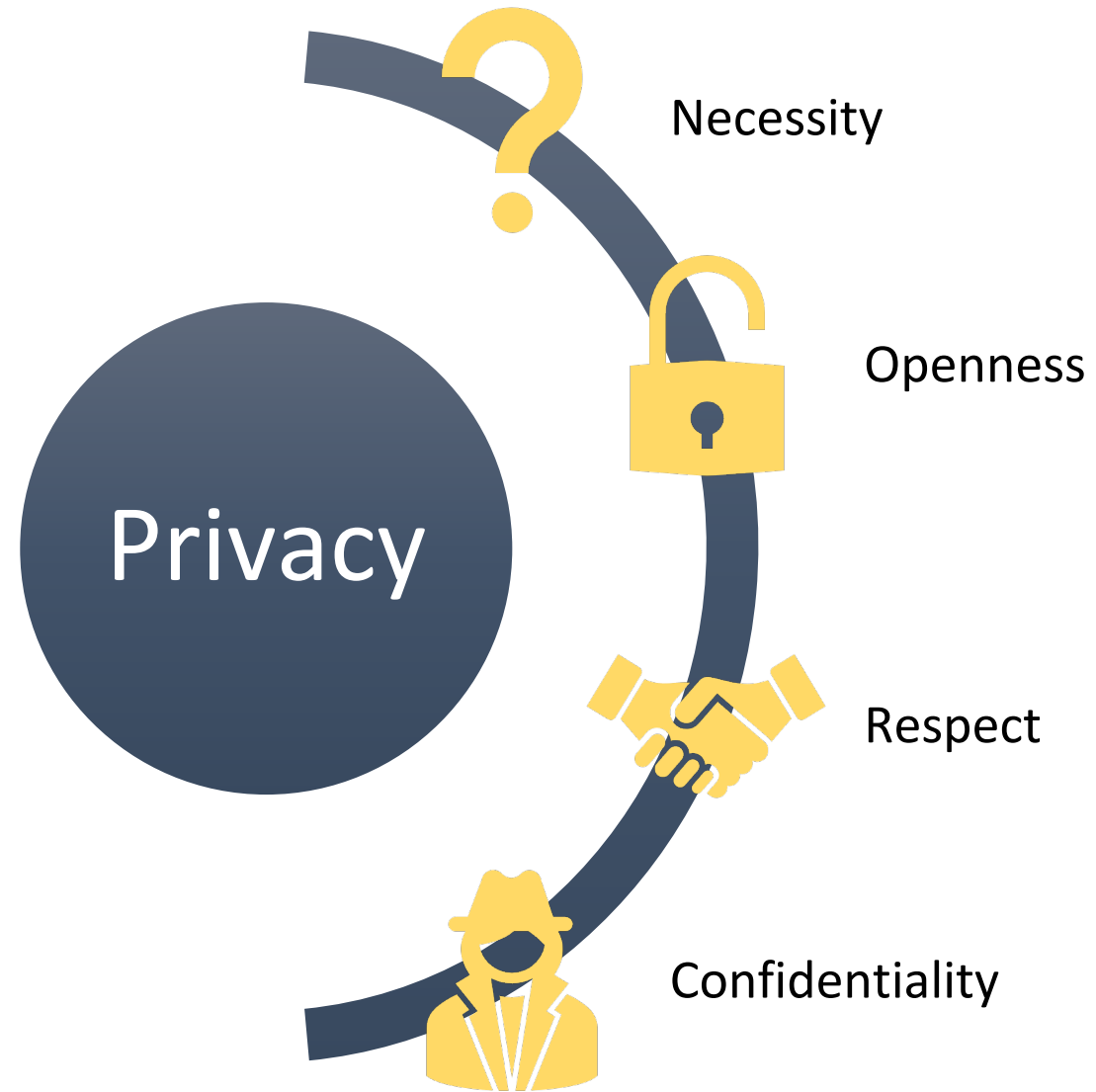
Partnership and Trust

Disseminating data and **protecting** data are two sides of the same coin.

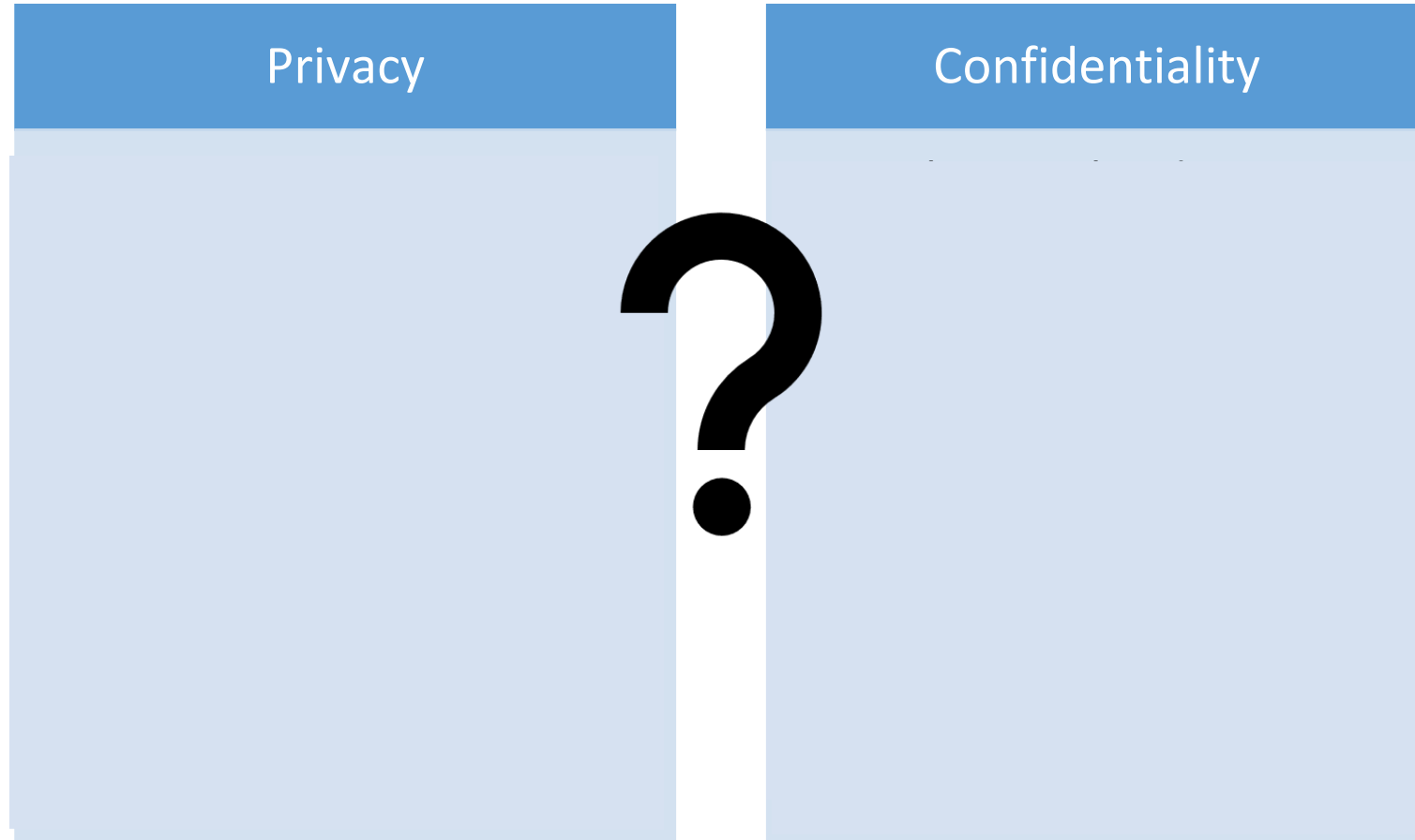
We must protect data in order to disseminate data.



Privacy Principles



Privacy vs. Confidentiality



Sensitive vs. Public Information

Sensitive Information (PII)

- Sensitive on its own
 - National ID number
 - Credit card number
 - Health insurance ID
- Sensitive when combined
 - Name and date or place of birth
 - Job performance ratings

Public Information

- Census reports
- Brochures, posters
- Website content
- News releases

Sensitive or Public?

Decide whether the following pieces of information are **Sensitive** or **Public**.

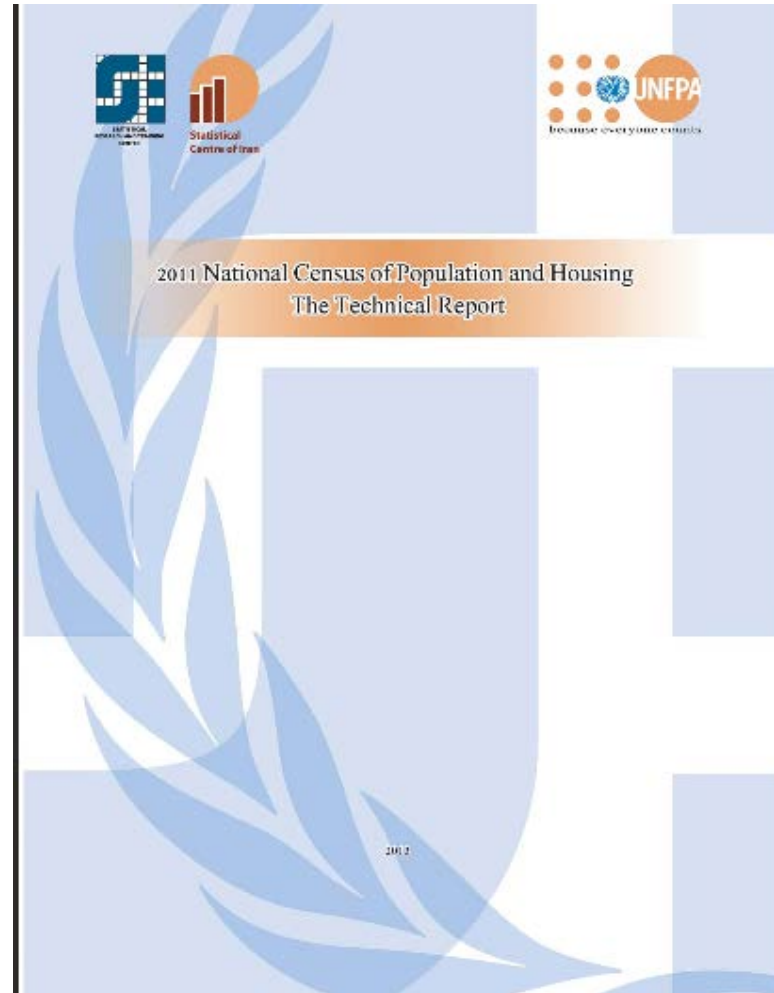
If they are **sensitive**, explain whether they are **sensitive on their own** or when **combined with other data**.



Sensitive or Public?

A yellow rounded rectangle containing a person icon (a black circle for a head and a black rounded shape for a torso) on the left. To the right of the icon are three white rounded rectangular input fields. The top field contains the text "John Doe", the middle field contains the text "12345678", and the bottom field is empty.

Sensitive or Public?



Sensitive or Public?

Q1. FIRST NAME	Q2. LAST NAME	Q3. DATE OF BIRTH	Q4. SEX	Q5. LANGUAGE SPOKEN AT HOME
SARA	LEE	11/1/2000	F	ENGLISH
JOHN	DOE	2/4/1956	M	CHINESE
TANIA	SMITH	5/15/1970	F	ENGLISH

Sensitive or Public?

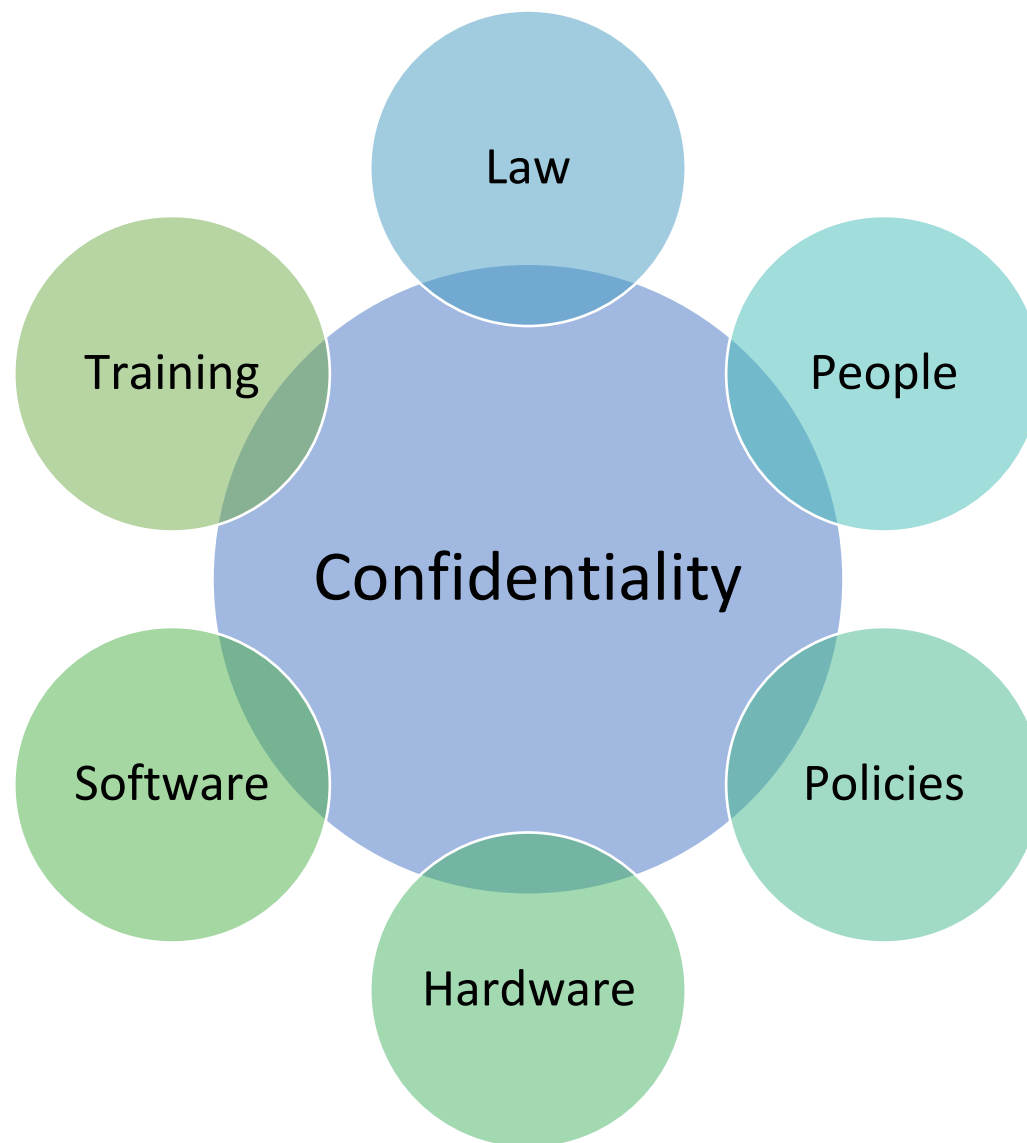
	CNTRY	YEAR	SAMPLE	SERIAL	WTHH	GQ	URBAN	GEOLEV1	DIVNBD	
1	50	1991	501	1000	10	10	2	50010	10	
2	50	1991	501	1000	10	10	2	50010	10	
3	50	1991	501	1000	10	10	2	50010	10	
4	50	1991	501	2000	10	10	2	50010	10	
5	50	1991	501	2000	10	10	2	50010	10	
6	50	1991	501	2000	10	10	2	50010	10	
	ZILABD	UPAZILABD	OWNRSH	OWNRSHPD	LVHOOD	ELECTRC	TOILET			
1	1004	100409	1	100	20	2	10			
2	1004	100409	1	100	20	2	10			
3	1004	100409	1	100	20	2	10			
4	1004	100409	1	100	30	1	20			
5	1004	100409	1	100	30	1	20			
6	1004	100409	1	100	30	1	20			
	WALL	ROOF	HHTYPE	PERNUM	WTPER	RELATE	RELATED	AGE	SEX	MARST
1	404	53	3	1	10	1	1000	70	1	2
2	404	53	3	2	10	2	2000	50	2	2
3	404	53	3	3	10	3	3000	8	2	1
4	404	53	3	1	10	1	1000	45	1	2
5	404	53	3	2	10	2	2000	30	2	2
6	404	53	3	3	10	3	3000	10	2	1

Source: Bangladesh Population Census 2011, IPUMS

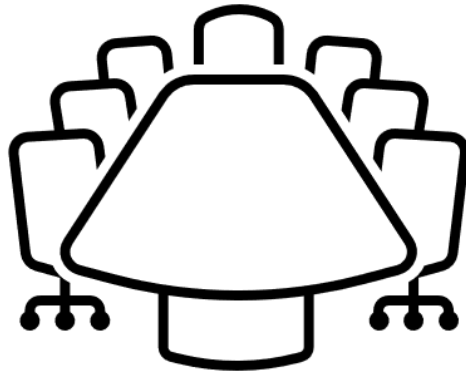
Sensitive or Public?



Data Stewardship in Practice



Disclosure Review Board



Disclosure Review Board and the Disclosure Avoidance Research Group:

- Identify and correct likely vulnerabilities
- Research and determine the best available data protection methods
- Determine the steps for removing identifiers that would link the information to a specific individual

Data Security

Monitoring

- Actively looks for evolving threats.
- Inspects network traffic as it traverses the network.
- Monitors all access to all data and all systems.

Policy

- Follows National Institutes of Standards and Technology accreditations.
- Complies with the Federal Information Security Management Act.
- Relies on multiple organizations and multiple technologies.

Evaluation

- Re-evaluates system requirements on a regular basis.
- Runs regular system audits.

Data Stewardship Policy Discussion

What data stewardship policies and procedures do you have in your country?