

ODEDEYI ISAAC

GLA 1 2022

Assignment 1 Data visualization

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## TASK 1

### Policies and Procedures

The first part of your assignments will be to outline what policies need to be adhered to when working with data.

“

Make certain they read it and comprehend that they must abide by the policy.

”

Well, the policies I would apply are to introduce the policy to your workers by including it in the employee handbook. Make certain they read it and comprehend that they must abide by the policy.

Provide a condensed version—if the policy is lengthy, provide your team a condensed version that highlights the key principles and procedures they must adhere to.

Provide employees with the necessary training to implement organisational data protection requirements when adopting the policy for the first time. You should also provide staff with oversight. Make sure that training is given in accordance with specific responsibilities and work procedures.

Inform pertinent third parties; if your company requires outside partners and contractors to abide by the data protection policy, they should be given a copy. In addition, be sure to include pertinent contract provisions.

## DATA PROTECTION ACT

The Act aims to help businesses in their authorised handling of personal data and to provide people more control over their personal data.

Commented [Is1]: Basic explanation

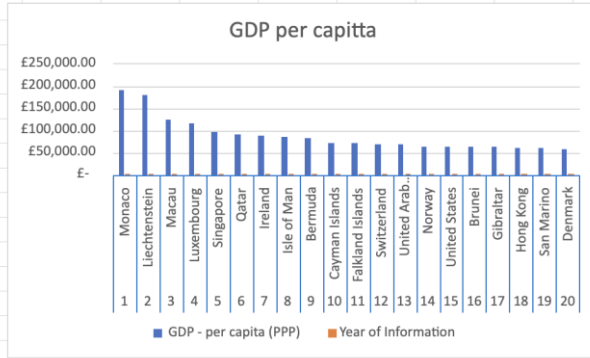
## DATA PROTECTION PRINCIPLES

1. **Lawfulness, fairness, and openness** - Processing of personal data must be done in a way that is legal, just, and transparent.
2. **Limitation on Use** - Personal information may only be gathered for specific, definite, and legal objectives. It has one and only one use, and nothing else. No information on an individual may be given to a third party without that person's prior consent.
3. **Data minimization** - Only the bare minimum of data should be retained for a given processing operation.
4. **Accuracy** - Data must be accurate and updated as needed. Individuals have the right to have inaccurate or outdated data removed or rectified.
5. **Storage restriction** - Remove any data that is no longer needed.
6. **Integrity and confidentiality (security)** - Data processing must be done in a way that guarantees the personal data is properly secured, including protection from unauthorised or illegal processing and accidental loss, destruction, or damage.

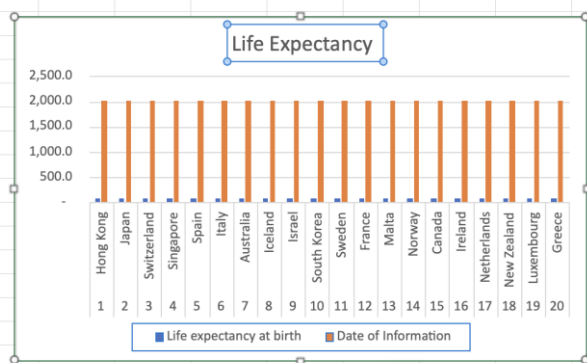
Accountability - The controller is in charge of proving adherence to the other standards.

## TASK 2

Rank	Country	Smartphone Users	Date of Information
1	China	1,598,360,000	2019
2	India	1,281,971,713	2019
3	United States	385,573,398	2019
4	Indonesia	327,577,529	2019
5	Brazil	284,200,000	2019
6	Russia	256,116,000	2019
7	Japan	167,371,945	2019
8	Mexico	165,615,000	2019
9	Nigeria	165,405,847	2019
10	Philippines	146,649,600	2019
11	Germany	107,000,000	2019
12	Vietnam	106,987,098	2019
13	bangladesh	101,339,000	2019
14	Turkey	96,165,000	2019
15	Iran	95,340,000	2019
16	Egypt	88,580,000	2019
17	Pakistan	83,100,000	2019
18	Thailand	72,300,000	2019
19	Italy	72,200,000	2019
20	South Africa	72,180,000	2019

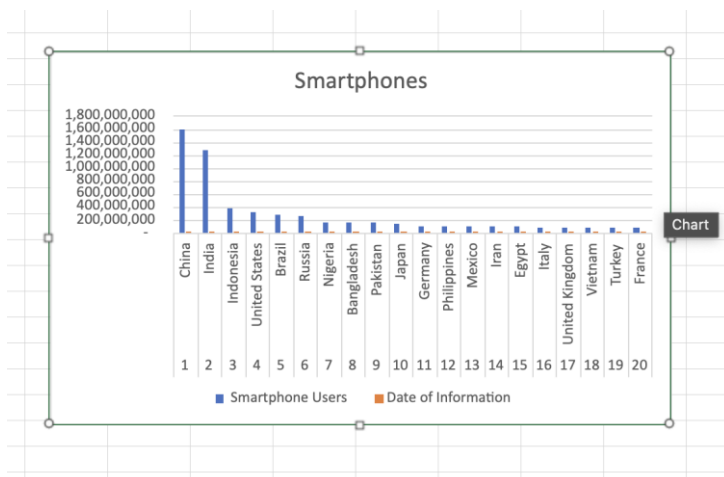


	A	B	C	D	E
1	Rank	Country	Life expectancy at birth	Date of Information	
2	1	Hong Kong	84.9	2020	
3	2	Japan	84.6	2020	
4	3	Switzerland	83.8	2020	
5	4	Singapore	83.6	2020	
6	5	Spain	83.5	2020	
7	6	Italy	83.4	2020	
8	7	Australia	83.4	2020	
9	8	Iceland	83.0	2020	
10	9	Israel	83.0	2020	
11	10	South Korea	83.0	2020	
12	11	Sweden	82.8	2020	
13	12	France	82.7	2020	
14	13	Malta	82.5	2020	
15	14	Norway	82.4	2020	
16	15	Canada	82.4	2020	
17	16	Ireland	82.3	2020	
18	17	Netherlands	82.3	2020	
19	18	New Zealand	82.3	2020	
20	19	Luxembourg	82.3	2020	
21	20	Greece	82.2	2020	



Chart

	A	B	C	D	E
1	Rank	Country	Smartphone Users	Date of Information	
2	1	China	1,598,360,000	2020	
3	2	India	1,281,971,713	2020	
4	3	Indonesia	385,573,398	2020	
5	4	United States	327,577,529	2020	
6	5	Brazil	284,200,000	2020	
7	6	Russia	256,116,000	2020	
8	7	Nigeria	167,371,945	2020	
9	8	Bangladesh	165,615,000	2020	
10	9	Pakistan	165,405,847	2020	
11	10	Japan	146,649,600	2020	
12	11	Germany	107,000,000	2020	
13	12	Philippines	106,987,098	2020	
14	13	Mexico	101,339,000	2020	
15	14	Iran	96,165,000	2020	
16	15	Egypt	95,340,000	2020	
17	16	Italy	88,580,000	2020	
18	17	United Kingdom	83,100,000	2020	
19	18	Vietnam	72,300,000	2020	
20	19	Turkey	72,200,000	2020	
21	20	France	72,180,000	2020	
76					



### Third Task

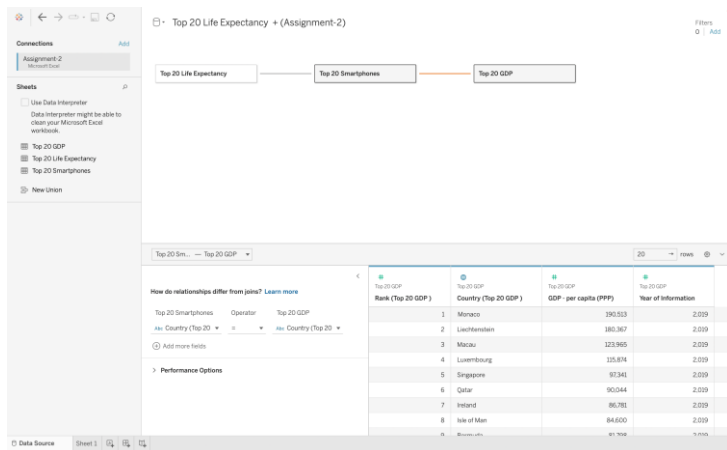
#### Tableau

Tableau helps people and organizations be more data-driven

The screenshot shows the Tableau interface. On the left, the 'Connections' pane lists 'Book1' and 'Book1-2'. The 'Sheets' pane shows 'Life Expectancy', 'Sheet1', 'Smartphones', and 'New Union'. The main view area displays a table with 22 rows. The table has columns for 'Rank', 'Country', 'Life expectancy at birth', and 'Date of Information'. The data is as follows:

Rank	Country	Life expectancy at birth	Date of Information
1	Hong Kong	85.290000	2.019
2	Japan	85.030000	2.019
3	Malawi	84.630000	2.019
4	Switzerland	83.600000	2.019
5	Singapore	84.070000	2.019
6	Italy	84.030000	2.019
7	Spain	83.990000	2.019
8	Australia	83.940000	2.019
9	Philippines	83.890000	2.019





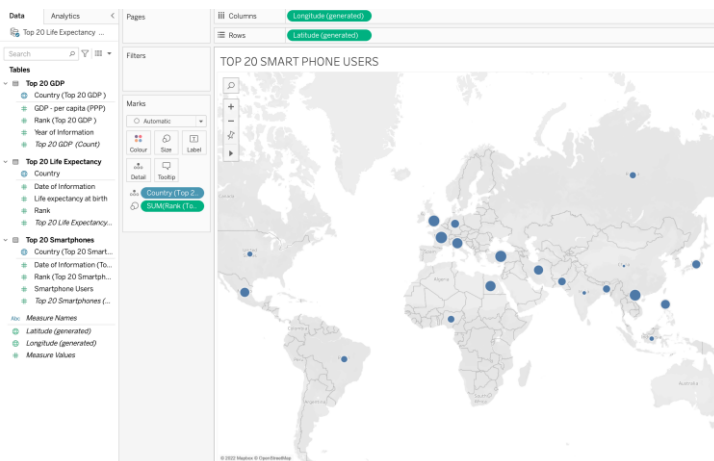
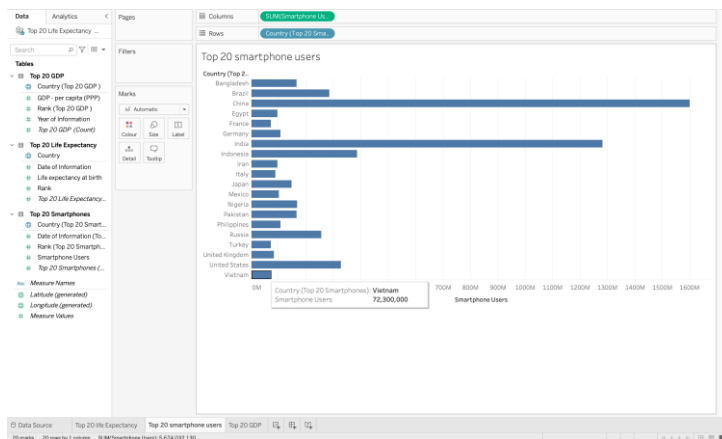
## Task 4

### Dashboard

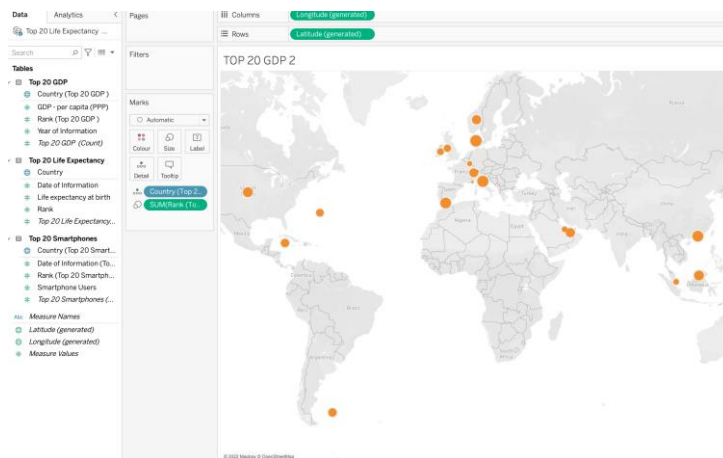
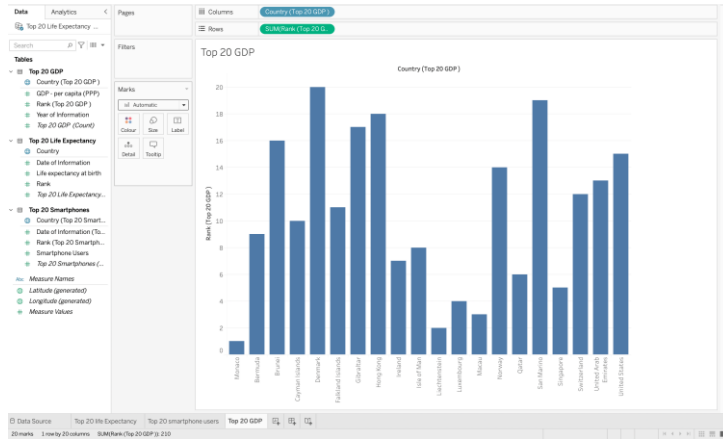
All your data is shown visually on a dashboard. Although it has a wide range of applications, its main purpose is to present information quickly, like KPIs.

The information for a dashboard often comes from a connected database and is shown on its own page. It is frequently adjustable, giving you the option to select the data you want to view and whether you want to include charts or graphs to represent the data.

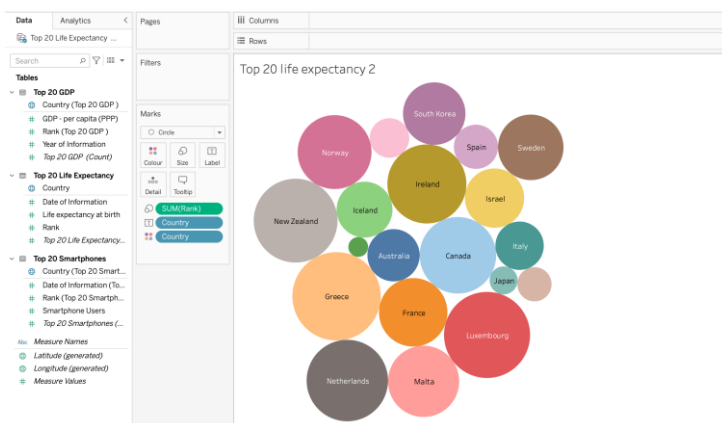
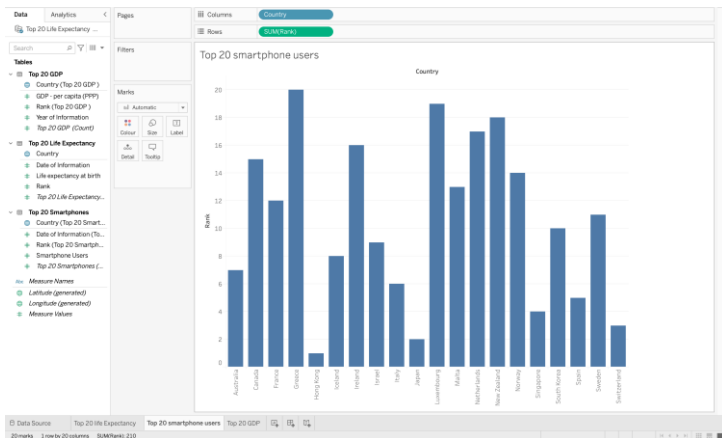
Dashboard for top 20 countries that use smartphone the most in 2019.



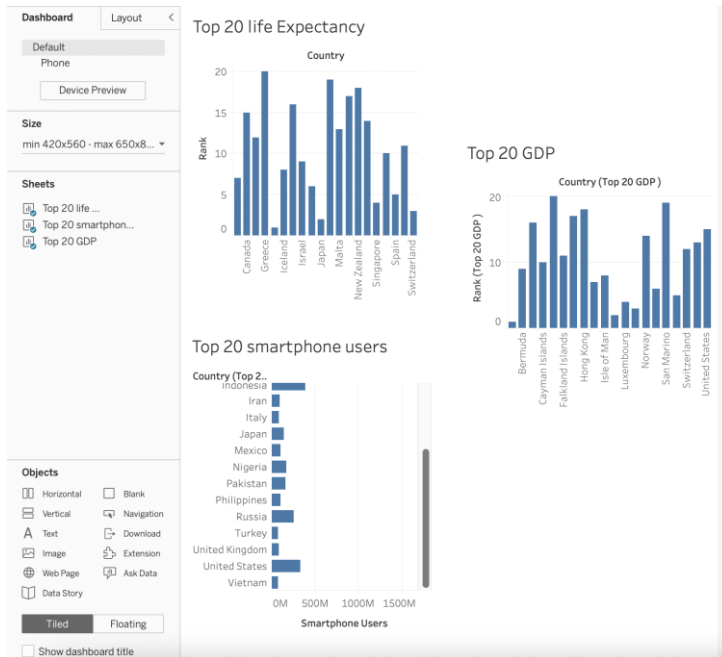
## Dashboard for Top 20 Countries with the most GDP per capita



## Dashboard for Top 20 Countries with the most life expectancy



Dashboard document of all the top 20 countries of life expectancy, smartphones and Data GDP capita together



The below link is linked to my dashboard which I completed and posted to the public.

[https://public.tableau.com/app/profile/isaac8302/viz/Assignment1\\_16667803951690/Dashboard1?publish=yes](https://public.tableau.com/app/profile/isaac8302/viz/Assignment1_16667803951690/Dashboard1?publish=yes)

[https://public.tableau.com/app/profile/isaac8302/viz/Assignment1\\_16667803951690/Dashboard2?publish=yes](https://public.tableau.com/app/profile/isaac8302/viz/Assignment1_16667803951690/Dashboard2?publish=yes)

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