

Wealth Of Nations



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Part 1 Policies and Procedures

When working with *The Wealth of Nations* data, I was adhering to key data policies as it is crucial to ensure compliance, data integrity, and ethical use.

Data Privacy and Security Policies

Data privacy policies protect individual privacy, even if *The Wealth of Nations* data focuses on economic aggregates. Laws like GDPR and CCPA enforce strict standards to prevent unauthorized access and exposure of personally identifiable information (PII). Security policies, including encryption and access controls, are essential to safeguard the confidentiality and accuracy of data, as breaches can lead to compromised insights and legal repercussions.

Data Quality Standards

High data quality and accuracy are fundamental for reliable analysis. Analysts rely on complete and accurate data to draw meaningful conclusions. Without strict quality standards, misinterpretations could lead to flawed insights, which could then affect economic policy and decision-making.

Ethical Use and Bias Prevention

Ethical use policies ensure data is analyzed responsibly and without bias, particularly with sensitive economic patterns in *The Wealth of Nations*. Fair analysis avoids reinforcing stereotypes related to wealth inequality and promotes transparency.

1. Intellectual Property and Data Retention

Respecting copyright ensures compliance and prevents legal issues. Data retention policies define how long data should be stored and the proper disposal methods once it's no longer needed, minimizing privacy and security risks.

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For data analysts, these policies are essential in building trust, maintaining compliance, and delivering unbiased, accurate insights. Adhering to these standards supports accountability, ethical responsibility, and high-quality data-driven decisions.

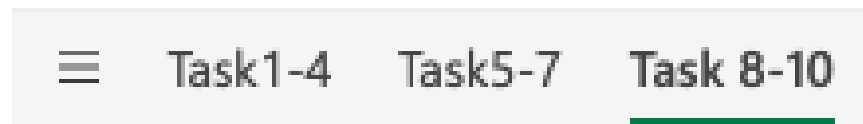
Part 2 Excel

Hi Just IT and Ali,

Intro

I didn't really know what to do, so I created an excel sheet called "The Wealth Of nations Dharmin Polra submission". Shared with you on submission.

I then created tabs where I did the questions



I also tried to follow the word doc and PDF's and give you screen shots below.

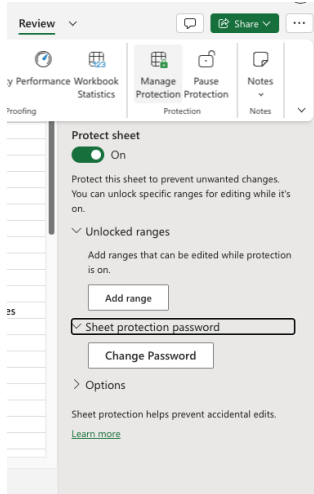
GDP Tasks

1. Set a password to protect the workbook

I did this last as doing right at the beginning disabled everything.

I only protected each sheet. Password is 123

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2. Highlight column C and change the data to display in British Pound symbol

Rank	Country	GDP - per capita (PPP)
1	Monaco	£ 190,513.00
2	Liechtenstein	£ 180,367.00
3	Macau	£ 123,965.00
4	Luxembourg	£ 115,874.00
5	Singapore	£ 97,341.00
6	Qatar	£ 90,044.00
7	Ireland	£ 86,781.00
8	Isle of Man	£ 84,620.00
9	Bermuda	£ 81,798.00
10	Cayman Islands	£ 71,549.00
11	Falkland Islands	£ 70,800.00
12	Switzerland	£ 68,678.00
13	United Arab Emirates	£ 67,119.00
14	Norway	£ 63,633.00
15	United States	£ 62,530.00
16	Brunei	£ 62,100.00
17	Gibraltar	£ 61,700.00
18	Hong Kong	£ 59,848.00
19	San Marino	£ 59,439.00
20	Denmark	£ 57,804.00

3. Turn the GDP sheet into a table.

I have no idea what you meant here. I just literally added cell border to make it look more like a table?

Rank	Country	GDP - per capita (PPP)	Year
3	Liechtenstein	£ 180,367.00	2018
4	Macau	£ 123,965.00	2019

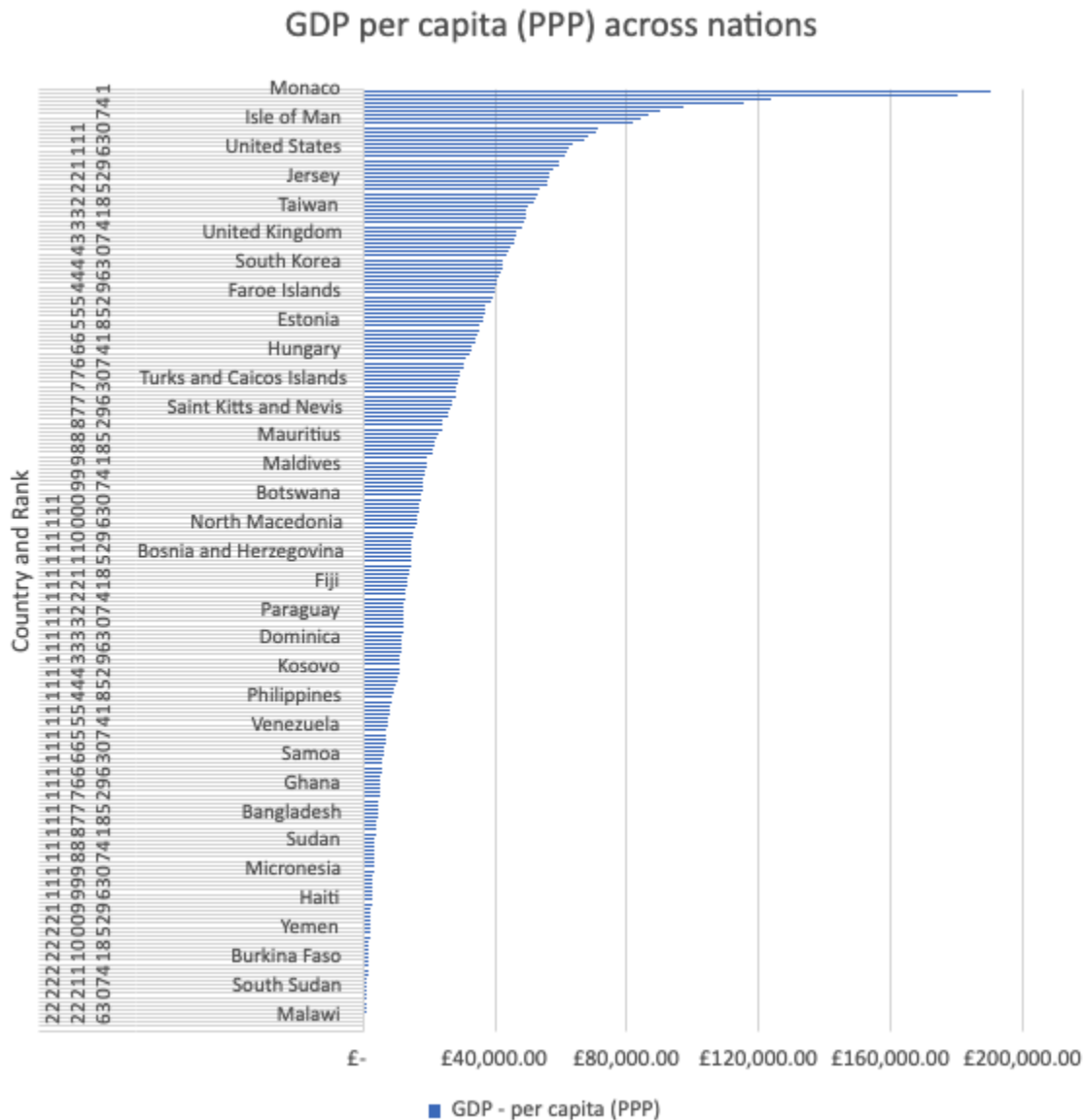
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4. Filter the table to display only the information for 2019

F	G	H	I	J	K	L
Year of Information	(All)			Year of Information	2019	
Country	Sum of GDP - per capita (PPP)	Sum of Rank		Country	GDP - per capita (PPP)	Rank
Monaco	190513	1		Monaco	£ 190,513.00	1
Afghanistan	2065	212		Macau	£ 123,965.00	3
Albania	13965	119		Singapore	£ 97,341.00	5
Algeria	11511	139		Qatar	£ 90,044.00	6
American Samoa	11200	142		Ireland	£ 86,781.00	7
Andorra	49900	30		Bermuda	£ 81,798.00	9
Angola	6670	161		Switzerland	£ 68,628.00	12
Anguilla	12200	133		United Arab Emirates	£ 67,119.00	13
Antigua and Barbuda	21910	87		Norway	£ 63,633.00	14
Argentina	22064	86		United States	£ 62,530.00	15
Armenia	13654	121		Brunei	£ 62,100.00	16
Aruba	37500	53		Hong Kong	£ 59,848.00	18
Australia	49854	31		Denmark	£ 57,804.00	20
Austria	56188	23		Netherlands	£ 56,935.00	21

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5. Next create a chart that will only display the following data 'Rank, Country and GDP - per capita (PPP). The chart can be anything as long as it is suitable.



6. Using your creative skills edit the chart

a. Add a title

b. Add X and Y axis labels

c. Make the chart visually pleasing

7. Move the chart to a new sheet tab and label with a suitable name

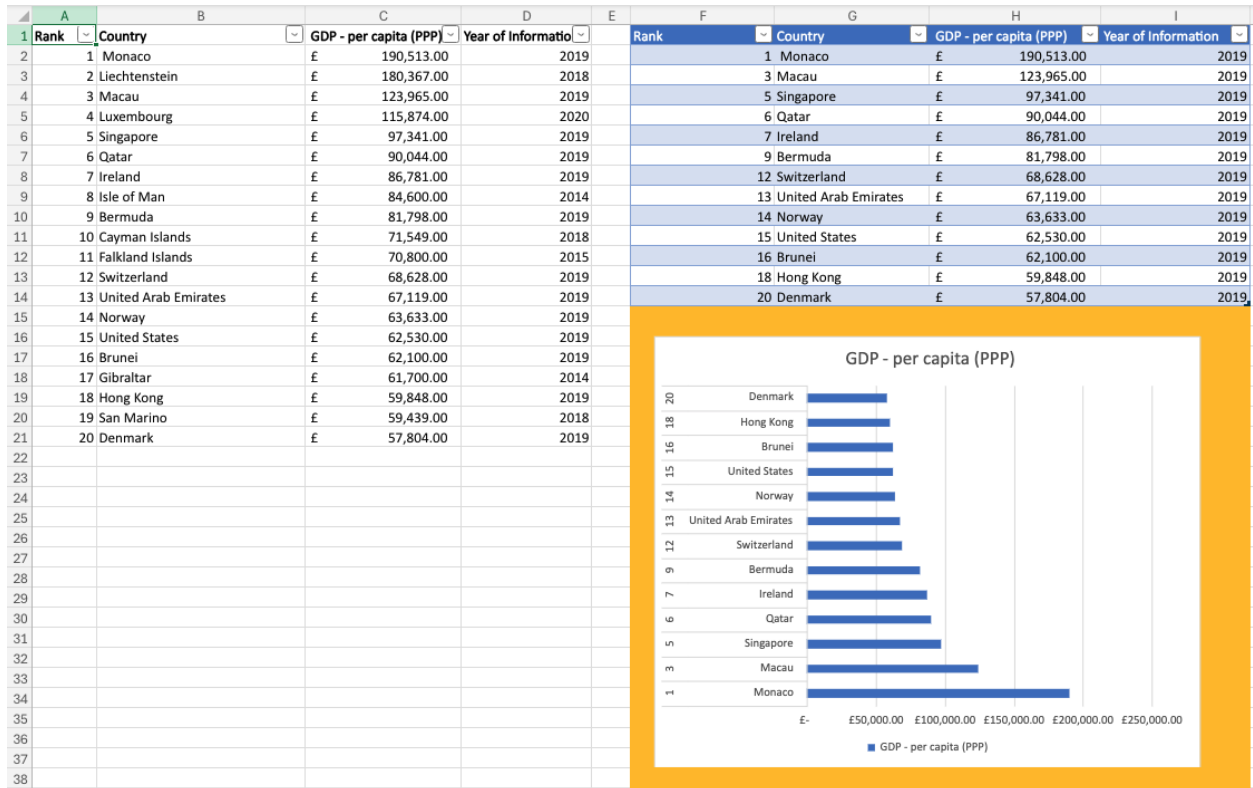
See above

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8. Create a sort for the top 20 highest ranking counties

See below

9. Next create a new Bar chart to display the 20 highest ranking countries from your sort and then move the chart to be underneath the table, as shown below.



Part 3

Excel Macro



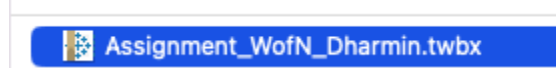
Macro_The Wealth of nations Dharmin Polra Submission - Copy.xlsx

Shared with you when submitting assignment.

Part 4

Links to work

My file is called 'Assignment_WofN_Dharmin.twbx'



Link to my public profile is;

https://public.tableau.com/app/profile/dharmin.polra/viz/Assignment_WofN_Dharmin/Dashboard1?publish=yes

Commentary and analysis of my own work.

Hi Ali /Markers at Just IT

I found the assignment frustrating as I didn't feel the questions/ask from students was clear.

I found myself questioning even the basics, such as "Create a table in excel" or adding a filter. I instead just did a pivot to be super clear like "Here I am separating out the 2019 data and presenting only this in a table".

I was having to work through the excel inside the virtual machine which was a challenge.

Tableau was fun, but again, not sure the visuals look impressive, but I did the task. My personal task will be to explore tableau in my own time and build up many nice visuals from youtube.

Thank you