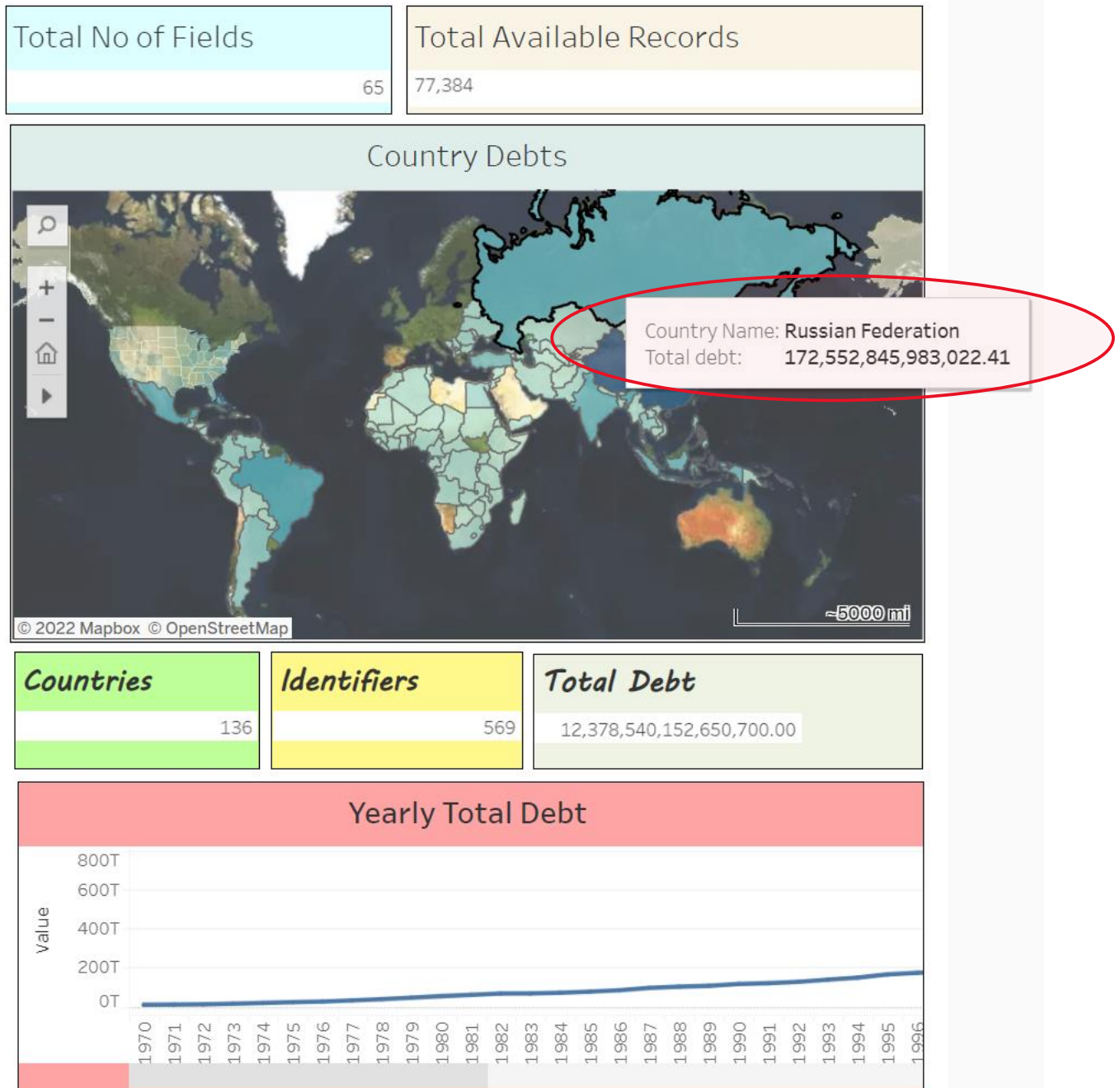


International Debt Statistics

Wireframe Documentation

Homepage

1. The World Bank's international debt data:



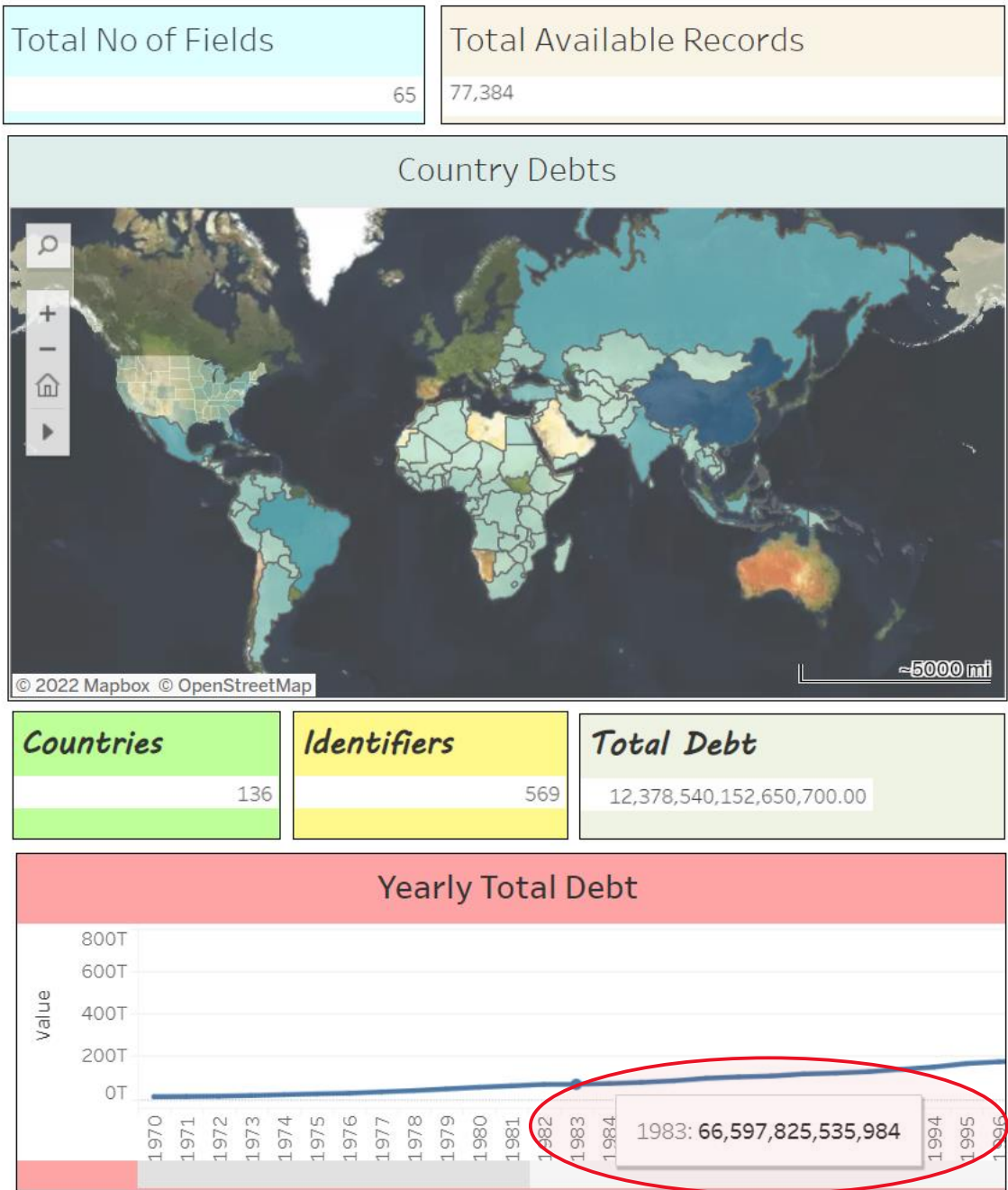
This is a simple Dashboard which explains about **The World Bank's international debt data**. The top section of the Dashboard contains two cells. One says no of records available, and the other one tells the no of attributes in the Dataset.

The next one says about the Total Debt a country has taken till date using a geospatial visualization. Placing cursor on each country will pop out a tooltip information about the Debt.

The next section contains three vital information.

- The no of countries which we have data about.
- The unique no of Indicators of Debt.
- The total Debt World Bank as given till Data.

The last section contains a line graph showing year wise Debt World Bank has given. Hovering on the line will show the Total Debt given on that year respectively. A screenshot of that is shown below.



Shown above a basic outline information about the Data.

2. Finding the number of distinct countries

The answer can be seen from previous task output. The number of distinct countries shown in Data are **136**.

Countries	Identifiers	Total Debt
136	569	12,378,540,152,650,700.00

But there are some exceptions. Look at the data very carefully, we can exclude few Data as they are not countries but regions. Excluding them will result in **126 countries**.

Excluded Data

- LMY - Low & middle income
- MIC - Middle income
- UMC - Upper middle income
- LMC - Lower middle income
- EAP - East Asia & pacific
- LAC - Latin America & Caribbean
- ECA - Europe and central Asia
- MNA - Middle east & North Africa
- LDC - Least Developed countries: UN classification
- SA - Sub-Saharan Africa

Country Code	Country Name
LMY	Low & middle income ✓
MIC	Middle income ✓
UMC	Upper middle income ✓
LMC	Lower middle income ✓
EAP	East Asia & Pacific (excluding high income) ✓
LAC	Latin America & Caribbean (excluding high income) ✓
CHN	China
ECA	Europe & Central Asia (excluding high income) ✓
SAS	South Asia
SSA	Sub-Saharan Africa (excluding high income) ✓
BRA	Brazil
MEX	Mexico
IDX	IDA only
RUS	Russian Federation
IND	India
MNA	Middle East & North Africa (excluding high income) ✓
LDC	Least developed countries: UN classification ✓
IDN	Indonesia
TUR	Turkey

3. Finding out the distinct debt indicators

Debt indicators are nothing but Series names. Unique number of series names is found in 1st Question output. There are totally 569 distinct Debt indicators.

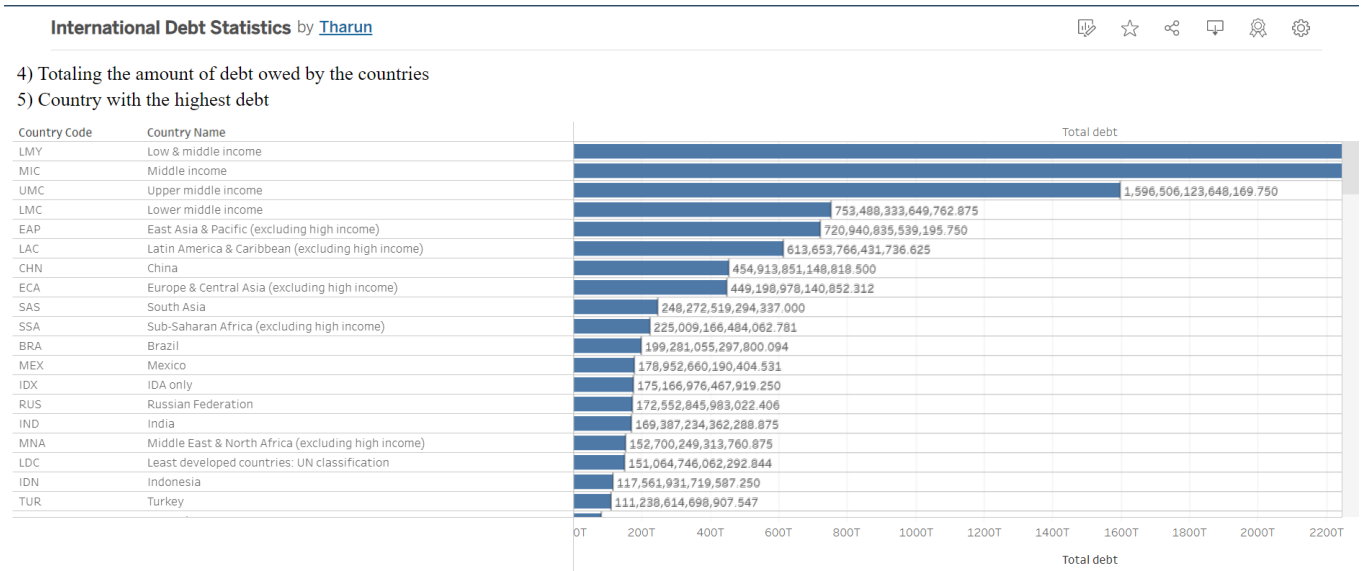
Countries	Identifiers	Total Debt
136	569	12,378,540,152,650,700.00

Series Code	Series Name
NY.GNP.MKTP.CD	GNI (current US\$)
DT.DOD.DECT.CD	External debt stocks, total (DOD, c..
BM.GSR.TOTL.CD	Imports of goods, services and pri..
BX.GSR.TOTL.CD	Exports of goods, services and pri..
DT.DOD.DLXF.CD	External debt stocks, long-term (D..
FI.RES.TOTL.CD	Total reserves (includes gold, curr..
DT.DOD.DPPG.CD	External debt stocks, public and p..
DT.DOD.DEPS.CD	External debt stocks, public sector..
DT.DOD.PUBS.CD	External debt stocks, long-term p..
DT.DOD.VTOT.CD	External debt stocks, variable rate..
DT.DOD.DEGG.CD	External debt stocks, general gov..
DT.DOD.PRVS.CD	External debt stocks, long-term pr..
DT.DOD.DPNG.CD	External debt stocks, private nong..
DT.DOD.PRVT.CD	PPG, private creditors (DOD, curre..
DT.DOD.PNGC.CD	PNG, commercial banks and other ..
DT.DOD.PRVT.PS.CD	PS, private creditors (DOD, curren..
DT.DOD.OFFT.CD	PPG, official creditors (DOD, curre..
DT.DOD.OFFT.PS.CD	PS, official creditors (DOD, curren..
DT.DOD.DSTC.CD	External debt stocks, short-term (..
DT.DOD.OFFT.GG.CD	GG, official creditors (DOD, curren..
DT.TDS.DECT.CD	Debt service on external debt, tot..
DT.TDS.DLXF.CD	Debt service on external debt, lon..
DT.DOD.PRVT.GG.CD	GG, private creditors (DOD, curren..
DT.DIS.DLXF.CD	Disbursements on external debt, l..
DT.DIS.DLTF.CD	Disbursements on external debt, l..

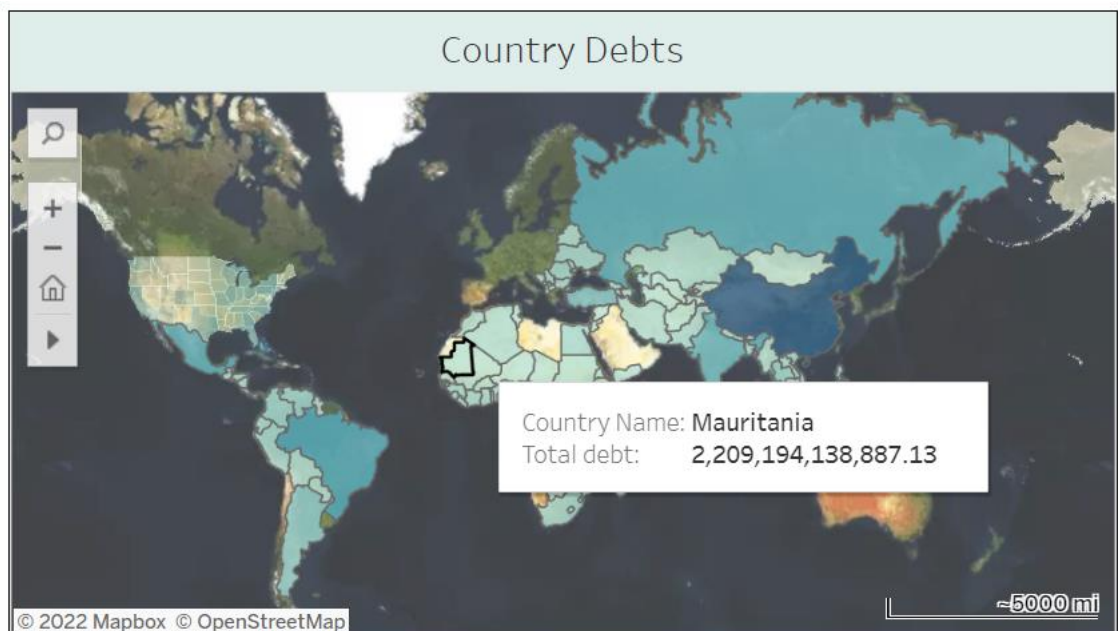
Shown below the excel sheet screenshot of the Meta Data provided about the distinct indicators. Check the bottom of the screen to see the total number of distinct indicator Data available.

Code	License Type	Indicator Name	Short definition
DT.GPA.DPPG		Average grace period on new external debt commitments (years)	Grace period is the period from the date of signature of the loan or the issue of the fin
DT.GPA.OFFT		Average grace period on new external debt commitments, official (years)	Grace period is the period from the date of signature of the loan or the issue of the fin
DT.GPA.PRVT		Average grace period on new external debt commitments, private (years)	Grace period is the period from the date of signature of the loan or the issue of the fin
DT.GRE.DPPG		Average grant element on new external debt commitments (%)	The grant element of a loan is the grant equivalent expressed as a percentage of the a
DT.GRE.OFFT		Average grant element on new external debt commitments, official (%)	The grant element of a loan is the grant equivalent expressed as a percentage of the a
DT.GRE.PRVT		Average grant element on new external debt commitments, private (%)	The grant element of a loan is the grant equivalent expressed as a percentage of the a
DT.INR.DPPG		Average interest on new external debt commitments (%)	Interest represents the average interest rate on all new public and publicly guaranteec
DT.INR.OFFT		Average interest on new external debt commitments, official (%)	Interest represents the average interest rate on all new public and publicly guaranteec
DT.INR.PRVT		Average interest on new external debt commitments, private (%)	Interest represents the average interest rate on all new public and publicly guaranteec
DT.MAT.DPPG		Average maturity on new external debt commitments (years)	Maturity is the number of years to original maturity date, which is the sum of grace an
DT.MAT.OFFT		Average maturity on new external debt commitments, official (years)	Maturity is the number of years to original maturity date, which is the sum of grace an
DT.MAT.PRVT		Average maturity on new external debt commitments, private (years)	Maturity is the number of years to original maturity date, which is the sum of grace an
DT.AMT.BLAT.CB.CD		CB, bilateral (AMT, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen
DT.DIS.BLAT.CB.CD		CB, bilateral (DIS, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen
DT.DOD.BLAT.CB.CD		CB, bilateral (DOD, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen
DT.INT.BLAT.CB.CD		CB, bilateral (INT, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen
DT.NFL.BLAT.CB.CD		CB, bilateral (NFL, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen
DT.NTR.BLAT.CB.CD		CB, bilateral (NTR, current US\$)	Central bank bilateral debt includes Central bank debt with bilateral creditors. The cen

4. Totaling the amount of debt owed by the countries



Shown above the Country wise Debt textually. The output is sorted according to Total Debt in Descending order. Country with highest debt tops the list. The same is shown graphically in 1st Qn. Its screenshot is attached below.



5. Country with the highest debt

The answer is obvious from the previous plot. But if we look at the previous plot carefully, we can see the top countries as “Low & middle income”, “Middle income” which are not countries, but regions. Filtering them out and finding the country with Highest Debt, we find **China** has got the highest Debt. A filtered country graph is shown below.

Excluded Data:

- LMY - Low & middle income
- MIC - Middle income
- UMC - Upper middle income
- LMC - Lower middle income
- EAP - East Asia & pacific
- LAC - Latin America & Caribbean
- ECA - Europe and central Asia
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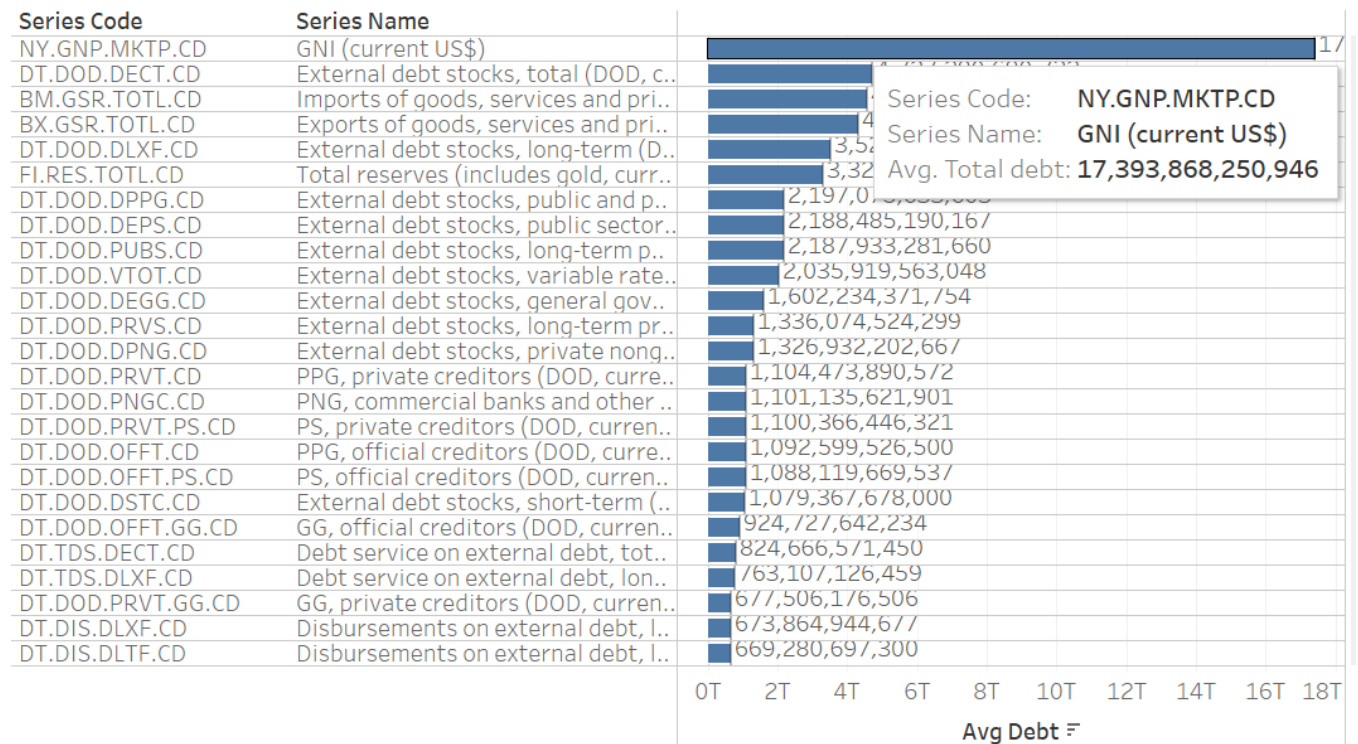
5) Country with the highest debt

Country Code	Country Name	Total debt
CHN	China	199,281,055,297,800.094
BRA	Brazil	
MEX	Mexico	
IDX	IDA only	
RUS	Russian Federation	
IND	India	
IDN	Indonesia	
TUR	Turkey	111,238,614,698,907.547
ARG	Argentina	81,247,901,652,465.188
LIC	Low income	73,467,897,108,380.125
THA	Thailand	53,572,191,535,079.961
VEN	Venezuela, RB	45,742,258,448,027.328
ZAF	South Africa	41,420,367,774,636.250
PHL	Philippines	41,291,869,365,699.211
COL	Colombia	40,525,164,350,949.484
EGY	Egypt, Arab Rep.	38,877,689,934,580.781
PAK	Pakistan	36,161,596,559,894.633
ROU	Romania	31,293,642,155,207.762
VNM	Vietnam	30,429,984,452,587.004
NGA	Nigeria	29,995,320,435,748.715
KAZ	Kazakhstan	29,735,990,393,110.793
UKR	Ukraine	28,035,384,181,000.824
PER	Peru	24,328,894,574,919.387
MAR	Morocco	23,131,059,105,869.400

6. Average amount of debt across indicators

Shown below the crosstab output of series codes with Total Debt aggregated with Mean. The output is sorted with respect to Avg Debt column in descending order.

6) Average amount of debt across indicators

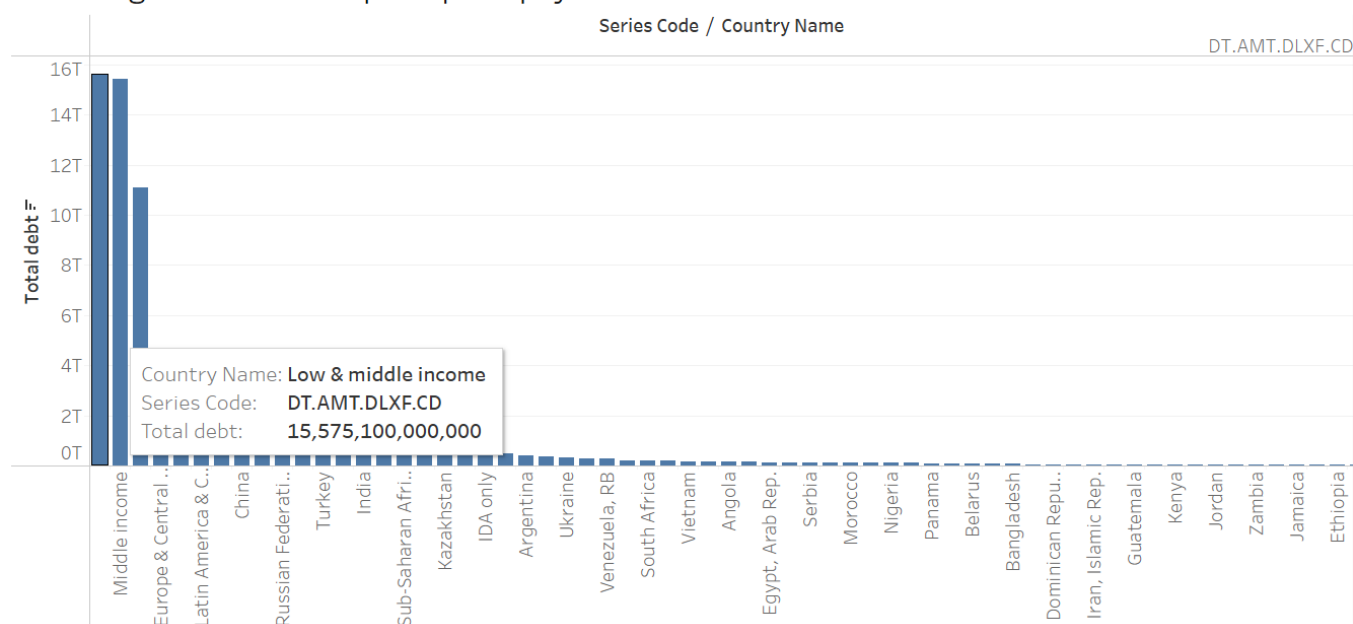


7. The highest amount of principal repayments

Principal repayments refer the Series code DT.AMT.DLFX.CD and its details are shown below

SERIES CODE	DT.AMT.DLFX.CD
INDICATOR NAME	Principal repayments on external debt, long-term (AMT, current US\$)
SHORT DEFINITION	Principal repayments on long-term debt are actual amounts of principal (amortization) paid by the borrower in currency, goods, or services in the year specified. Long-term external debt is defined as debt that has an original or extended maturity of more than one year and that is owed to nonresidents by residents of an economy and repayable in currency, goods, or services. Data are in current U.S. dollars.
LONG DEFINITION	Principal repayments on long-term debt are actual amounts of principal (amortization) paid by the borrower in currency, goods, or services in the year specified. Long-term external debt is defined as debt that has an original or extended maturity of more than one year and that is owed to nonresidents by residents of an economy and repayable in currency, goods, or services. Data are in current U.S. dollars.
SOURCE	World Bank, International Debt Statistics.
TOPIC	Economic Policy & Debt: External debt: Amortization
DATASET	International Debt Statistics
PERIODICITY	Annual
AGGREGATION METHOD	Sum

7. The highest amount of principal repayments



8. The most common debt indicator

We can see that all the Debt indicators have same frequency and is equally distributed. There is no most commonly found indicator in the Data. In extreme case, we can interpret that that **NY.GNP.MKTP.CD** has highest Debt amount, and most Debt most Debt amount has this Indicator or series in common.

SERIES CODE	NY.GNP.MKTP.CD
LICENSE TYPE	CC BY-4.0
INDICATOR NAME	GNI (current US\$)
DEFINITION	GNI (formerly GNP) is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. Data are in current U.S. dollars.
SOURCE	World Bank national accounts data, and OECD National Accounts data files.
PERIODICITY	Annual
AGGREGATION METHOD	Gap-filled total

8) The most common debt indicator

Series Code	Count of Series Code	Total debt
NY.GNP.MKTP.CD	136.0	2,365,566,082,128,634.0
DT.DOD.DECT.CD	136.0	642,910,172,579,536.0
BM.GSR.TOTL.CD	136.0	622,950,021,850,114.0
BX.GSR.TOTL.CD	136.0	585,765,948,541,702.0
DT.DOD.DLXF.CD	136.0	479,265,185,425,131.6
FI.RES.TOTL.CD	136.0	451,818,203,879,566.1
DT.DOD.DPPG.CD	136.0	298,802,286,170,001.6
DT.DOD.DEPS.CD	136.0	297,633,985,862,708.6
DT.DOD.PUBS.CD	136.0	297,558,926,305,708.6
DT.DOD.VTOT.CD	136.0	276,885,060,574,497.6
DT.DOD.DEGG.CD	136.0	217,903,874,558,505.6
DT.DOD.PRVS.CD	136.0	181,706,135,304,621.5
DT.DOD.DPNG.CD	136.0	180,462,779,562,683.8
DT.DOD.PRVT.CD	136.0	150,208,449,117,859.3
DT.DOD.PNGC.CD	136.0	149,754,444,578,565.8
DT.DOD.PRVT.PS.CD	136.0	149,649,836,699,609.8
DT.DOD.OFFT.CD	136.0	148,593,535,604,055.6
DT.DOD.OFFT.PS.CD	136.0	147,984,275,057,021.6
DT.DOD.DSTC.CD	136.0	146,794,004,207,994.4
DT.DOD.OFFT.GG.CD	136.0	125,762,959,343,806.6
DT.TDS.DECT.CD	136.0	112,154,653,717,266.4
DT.TDS.DLXF.CD	136.0	103,782,569,198,365.4
DT.DOD.PRVT.GG.CD	136.0	92,140,840,004,778.5
DT.DIS.DLXF.CD	136.0	91,645,632,476,018.7

9. Other viable debt issues and conclusion