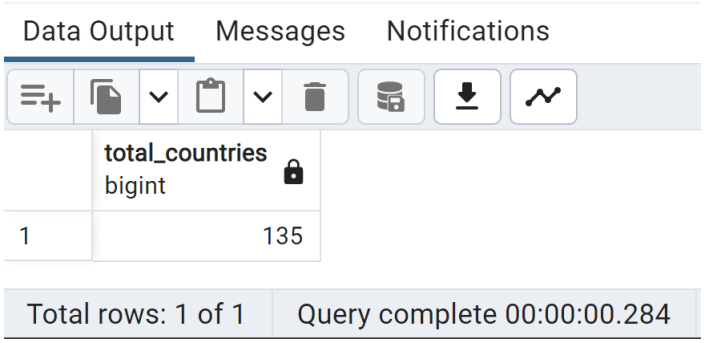
International Debt Analysis

A. KPI's

1. Number of Distinct Countries:

```
SELECT
	COUNT(DISTINCT country_name) AS Total_Countries
FROM
	ids;
```



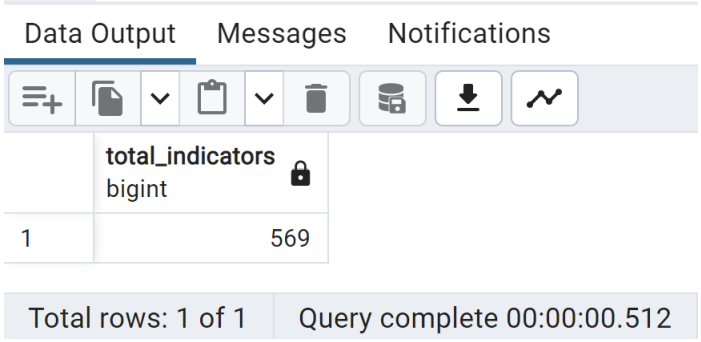
Data Output | Messages | Notifications

	total_countries bigint
1	135

Total rows: 1 of 1 | Query complete 00:00:00.284

2. Number of Distinct Debt indicators:

```
SELECT
	COUNT(DISTINCT series_name) AS total_indicators
FROM
	Ids;
```



Data Output | Messages | Notifications

	total_indicators bigint
1	569

Total rows: 1 of 1 | Query complete 00:00:00.512

3. Total amount of Debt owed by countries for 2022

```
SELECT
	country_name, SUM(_2022) AS Total_Debt_2022
FROM
	ids
GROUP BY 1
ORDER BY 1;
```

Data Output | Messages | Notifications

	country_name character varying	total_debt_2022 double precision
1	Afghanistan	2441491526.1
2	Albania	22871223535.100002
3	Algeria	2740675708.799999
4	Angola	235685725325.80002
5	Argentina	333266699156.40015
6	Armenia	20734381638.899994
7	Azerbaijan	28264936552.700012
8	Bangladesh	142585756545.40002

Total rows: 135 of 135 | Query complete 00:00:00.176

4. Country with highest Total Debt in 2022

```
SELECT
	country_name, SUM(_2022) AS Total_Debt_2022
FROM
	ids
GROUP BY 1
ORDER BY 2 DESC
LIMIT 8;
```

Data Output | Messages | Notifications

	country_name character varying	total_debt_2022 double precision
1	Low & middle income	13931151249220.8
2	Middle income	13472435191284.299
3	Upper middle income	8107595193841.902
4	Lower middle income	5362393479236.703
5	East Asia & Pacific (excluding high income)	4305645847808.8003
6	Latin America & Caribbean (excluding high income)	2909660103375.999
7	Europe & Central Asia (excluding high income)	2759731625408.5
8	China	2375724185819.699

Total rows: 8 of 8 Query complete 00:00:00.103

5. Average debt across all indicators for 2022

```
SELECT
        series_code, ROUND((AVG(_2022))::numeric, 2) AS Average_Debt
FROM
        ids
GROUP BY 1
ORDER BY 2 DESC
        ;
```

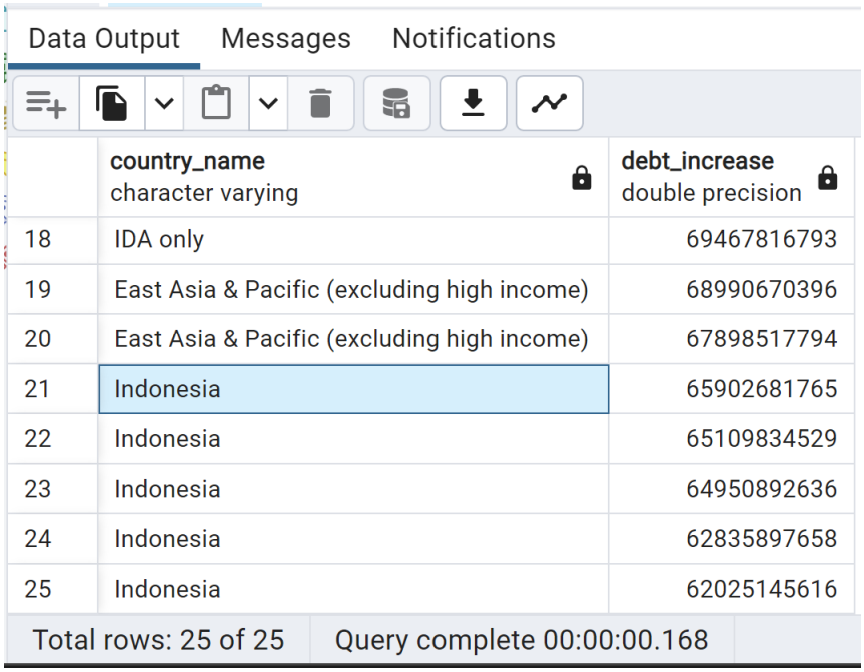
Data Output | Messages | Notifications

	series_code character varying	average_debt numeric
1	DT.TDS.DECT.CD	46022433178.04
2	DT.TDS.DLXF.CD	44973066027.06
3	DT.AMT.DLXF.CD	33187466733.00
4	DT.TDS.DPNG.CD	30373593485.78
5	DT.TDS.PNGC.CD	25317808000.36
6	DT.AMT.DPNG.CD	23037389810.56
7	DT.AMT.PNGC.CD	19283909042.81
8	DT.TDS.DPPG.CD	14550838236.13

Total rows: 569 of 569 Query complete 00:00:00.123

B. Country with the Highest Debt Increase from 2021 to 2022

```
SELECT
        Country_Name, (_2022 - _2021) AS debt_increase
FROM
        ids
ORDER BY
        debt_increase DESC
LIMIT 25;
```



Data Output | Messages | Notifications

	country_name character varying	debt_increase double precision
18	IDA only	69467816793
19	East Asia & Pacific (excluding high income)	68990670396
20	East Asia & Pacific (excluding high income)	67898517794
21	Indonesia	65902681765
22	Indonesia	65109834529
23	Indonesia	64950892636
24	Indonesia	62835897658
25	Indonesia	62025145616

Total rows: 25 of 25 | Query complete 00:00:00.168

C. Country with the Highest Accumulated Debt Over All Years(2006-2022)

```
SELECT Country_Name,
    (_2006 + _2007 + _2008 + _2009 + _2010 + _2011 + _2012 +
    _2013 + _2014 + _2015 + _2016 + _2017 + _2018 + _2019 +
    _2020 + _2021 + _2022 ) AS total_accumulated_debt
FROM ids
ORDER BY total_accumulated_debt DESC
LIMIT 25;
```

Data Output | Messages | Notifications

	country_name character varying	total_accumulated_debt double precision
1	Low & middle income	385300000000000
2	Middle income	378500000000000
3	Upper middle income	281310000000000
4	East Asia & Pacific (excluding high income)	181700000000000
5	China	152760000000000
6	Low & middle income	105740000000000
7	Middle income	103540000000000
8	Low & middle income	101470000000000

Total rows: 25 of 25 | Query complete 00:00:00.126

D. Debt Change Percentage between 2021 and 2022 for Each

Country

```
SELECT
   Country_Name,
   ROUND(((_2022 - _2021) / _2021 * 100)::numeric, 2) AS debt_change_percentage
FROM
   ids
WHERE
   _2021 != 0
ORDER BY
   debt_change_percentage DESC;
```

Data Output | Messages | Notifications

	country_name character varying	debt_change_percentage numeric
1	Europe & Central Asia (excluding high income)	496815.41
2	Europe & Central Asia (excluding high income)	491287.50
3	Central African Republic	383455.87
4	Lao PDR	377465.52
5	Turkiye	272210.60
6	Turkiye	272210.60
7	Turkiye	268557.53
8	Lebanon	213889.19

Total rows: 1000 of 43062 | Query complete 00:00:00.216

E.