# International Debt Analysis — SQL Queries & Insights

## 📄 View the First 20 Rows

sql

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SELECT \* FROM dataanalytics.international\_debt\_with\_missing\_values

LIMIT 20;

Displays a preview of the dataset to understand its structure and sample data.

## 💰 Total Amount of Debt Owed by All Countries

sql

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SELECT SUM(debt) AS total\_debt

FROM dataanalytics.international\_debt\_with\_missing\_values;

Calculates the **sum of all debt values**, giving the overall debt amount across all countries and indicators.

## 🌍 Number of Unique Countries in the Dataset

sql

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SELECT COUNT(DISTINCT country\_name) AS country\_name

FROM dataanalytics.international\_debt\_with\_missing\_values;

Counts how many **distinct countries** are represented in the dataset.

## 🏷 Types of Debt Indicators

sql

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SELECT DISTINCT(indicator\_code) AS debt\_indicators, indicator\_name

FROM dataanalytics.international\_debt\_with\_missing\_values;

Returns each **unique debt indicator** and what it represents (e.g., principal payments, interest, disbursements, etc.).

## 🏆 Country with the Highest Single Debt Entry (Incorrect Logic)

sql

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SELECT country\_name, MAX(debt)

FROM dataanalytics.international\_debt\_with\_missing\_values

GROUP BY country\_name

LIMIT 1;

🔍 **Note:** This only finds the country with the highest single record of debt, not the highest total. To find the correct country with the highest **total** debt:

sql

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SELECT country\_name, SUM(debt) AS total\_debt

FROM dataanalytics.international\_debt\_with\_missing\_values

GROUP BY country\_name

ORDER BY total\_debt DESC

LIMIT 1;

## 📈 Average Debt per Indicator

sql

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SELECT indicator\_code, AVG(debt) AS avg\_debt

FROM dataanalytics.international\_debt\_with\_missing\_values

GROUP BY indicator\_code

ORDER BY avg\_debt DESC;

Provides insight into which **types of debt indicators** typically carry higher debt values.

## 💸 Country with the Highest Principal Repayments

sql

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SELECT country\_name, SUM(debt) AS total\_principal\_repayment

FROM dataanalytics.international\_debt\_with\_missing\_values

WHERE indicator\_name ILIKE '%principal repayment%' AND debt IS NOT NULL

GROUP BY country\_name

ORDER BY total\_principal\_repayment DESC

LIMIT 1;

Filters for records related to **principal repayments** and finds the country that has repaid the most.

## 📌 Most Common Debt Indicator

sql

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SELECT indicator\_name, COUNT(country\_name) AS frequency

FROM dataanalytics.international\_debt\_with\_missing\_values

WHERE indicator\_name IS NOT NULL

GROUP BY indicator\_name

ORDER BY frequency DESC

LIMIT 1;

Finds the **debt indicator** that appears most frequently across the dataset.

## 📉 Countries with the Lowest Total Debt

sql

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SELECT country\_name, SUM(debt) AS total\_debt

FROM dataanalytics.international\_debt\_with\_missing\_values

GROUP BY country\_name

ORDER BY total\_debt ASC;

Lists countries from **least indebted** to most. Good for identifying nations with minimal recorded debt.

## 📈 Country with the Highest Total Debt

sql

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SELECT country\_name, SUM(debt) AS total\_debt

FROM dataanalytics.international\_debt\_with\_missing\_values

GROUP BY country\_name

ORDER BY total\_debt DESC

LIMIT 1;

Finds the **most indebted country overall**, summing up all types of debt indicators.

## ✅ Summary of Key Trends (Based on Your Queries)

* The **total global debt** can be calculated with SUM(debt).
* You can analyze both **individual indicators** and **country totals** for better insights.
* Use SUM(debt) + GROUP BY for total comparisons.
* **Principal repayments** provide insight into countries actively reducing their debt.
* Sorting by total debt in ascending or descending order can show best/worst debt performers.

SUMMARY

-The total amount of debt owed by all countries is 2,823894597632

-There are 125 distinct countries recorded in the dataset.

-The most common debt indicator across all countries is 250 but missing the indicator name on the data base.

-The average indicator of the most debt is DT.DIS.PRVT.CD with an average debt of 339766457.90178573 and the indicator

with an average debt of 658261554.40625

-China is the country that has made the highest amount of principal repayments of 168611610624

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