iNeuron

Project Title	Analyze International Debt Statistics
Technologies	Business Intelligence
Domain	Finance
Project Difficulties level	Intermediate

Problem Statement:

It's not that we humans only take debts to manage our necessities. A country may also take debt to manage its economy. For example, infrastructure spending is one costly ingredient required for a country's citizens to lead comfortable lives. The World Bank is the organization that provides debt to countries.

In this project, you are going to analyze international debt data collected by The World Bank. The dataset contains information about the amount of debt (in USD) owed by developing countries across several categories. You are going to find the answers to questions like:

- What is the total amount of debt that is owed by the countries listed in the dataset?

- Which country owns the maximum amount of debt and what does that amount look like?

- What is the average amount of debt owed by countries across different debt indicators?

The data used in this project is provided by The World Bank. It contains both national and regional debt statistics for several countries across the globe as recorded from 1970 to 2015.

Project Tasks

- 1. The World Bank's international debt data

- 2. Finding the number of distinct countries

- 3. Finding out the distinct debt indicators

- 4. Totaling the amount of debt owed by the countries

- 5. Country with the highest debt

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- 6. Average amount of debt across indicators
- 7. The highest amount of principal repayments
- 8. The most common debt indicator
- 9. Other viable debt issues and conclusion

Dataset:

Dataset is available in the given link. You can download as per your convenient.

International Debt Statistics (IDS) | Data Catalog (worldbank.org)

Approaches:

SQL, Tableau, Power BI or you can use any tools and techniques as per your convenience. We would appreciate your valid imagination in finding solutions

Project Evaluation metrics:

Code: As per the requirements

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards: https://www.python.org/dev/peps/pep-0008/

Database:

- You are supposed to use a given dataset for this project.

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Submission requirements:

High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link:

HLD Document Link

Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Sample link

LLD Document Link

Architecture: You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Sample link

Architecture sample link

Wireframe: You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

Demo link

Wireframe Document Link

Project work:

You will have to share the Tableau Public Link of your work

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

Demo link

Project code sample link :

Click here to enter text.

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link

DPR sample link

Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

Demo link

Project sample link :

The project LinkedIn a post:

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

Demo link

Linkedin post sample link :

Click here to enter text.