iNeuron

Project Title	Deloitte Case Study
Technologies	Business Intelligence
Domain	Finance, Insurance and Banking
Project Difficulties level	Intermediate

Problem Statement:

It is used as a collective term to refer to a broad range of economic services provided by the finance industry, which encompasses a broad range of organizations that manage money, including credit unions, banks, credit card companies, insurance companies, consumer finance companies, stock brokerages, investment funds A banking domain is comprised of all the components needed to run a financial service end-to-end. It covers the transaction and distribution process; the ways in which customers interact with the system, products, and services the organization offers; and the technology involved.

Please find attached the time-series data for CPI, Exchange Rate and Exports (in Millions) data for 200 countries pulled from "The World Bank" site.

We can look into the following aspects while judging the individual's excel skills:

1. As the data is quite unstructured, if the individual is able to structure it and draw insights from it

2. The typical dashboard will have slicers for Country and Time period (Monthly, Quarterly and Yearly) and trend analysis for Exchange Rate, CPI and Exports in a single tab

3. If the individual is able to do a YoY, CAGR analysis on that dataset

4. Graphical representation of data and whether it is dynamic in nature i.e., if the data changes for all three charts when slicers are applied

Deduplication and removal of redundancies – whether the individual is able to remove redundancies and erroneous results

Click here to enter text.

Dataset:

Datasets are available in zip files. Google Drive links have been shared below:

https://drive.google.com/drive/folders/1MX_-SzXKXUEX82OI1hRsbE7VneUckQby?usp=sharing

Approaches:

Python, R, 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:

Click here to enter text.

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

Demo 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.

Demo link:

Low Level Design Sample document link

Architecture:

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

Demo Link:

Architecture Document Link

Wireframe:

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

Demo link

Wire-frame 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.