

DELOITTE CASE STUDY

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**Project Details**

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| Title | Deloitte Case Study |
| Technologies | Business Intelligence |
| Domain | Finance, Insurance and Banking |
| Project Difficulties Level | Intermediate |
| Tools Used | MS Excel, Power BI |

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**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.

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**Data Description**

* Data was given in three parts:

Data was given in three excel file named as

CPI Data cleaned.csv

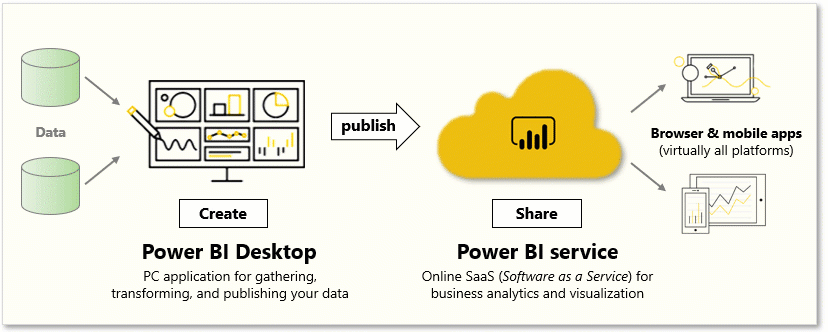
Exchange rate cleaned.csv

Exports Merchandise cleaned new.csv

* CPI Data cleaned new.csv includes
* Year
* Month
* Quarter
* Country
* Data
* CPI Data cleaned new.csv includes
* Year
* Month
* Quarter
* Country
* Data
* Exchange rate cleaned new.csv includes
* Year
* Month
* Quarter
* Country
* Data

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**Architecture**

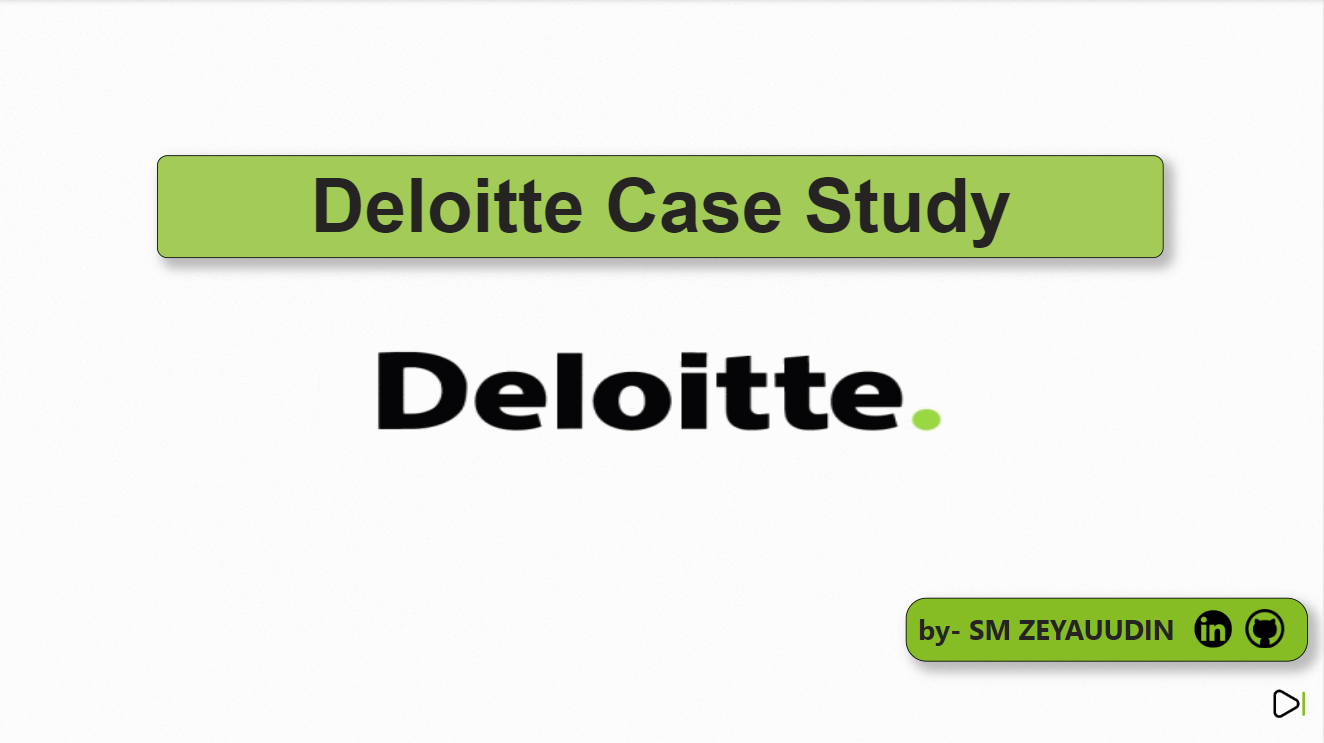


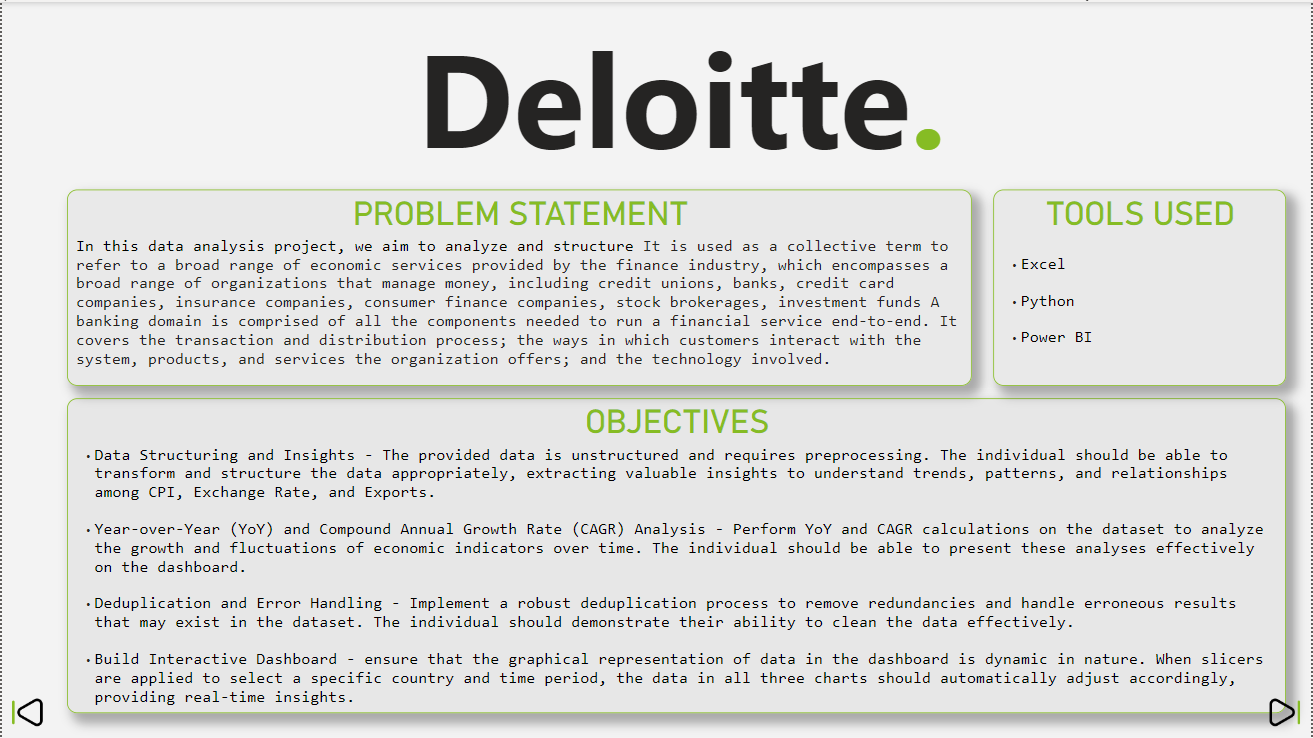
Power Bi is a business suite that includes several technologies that work together. To deliver outstanding business intelligence solutions, Microsoft Power Bi technology consists of a group of such components such as:

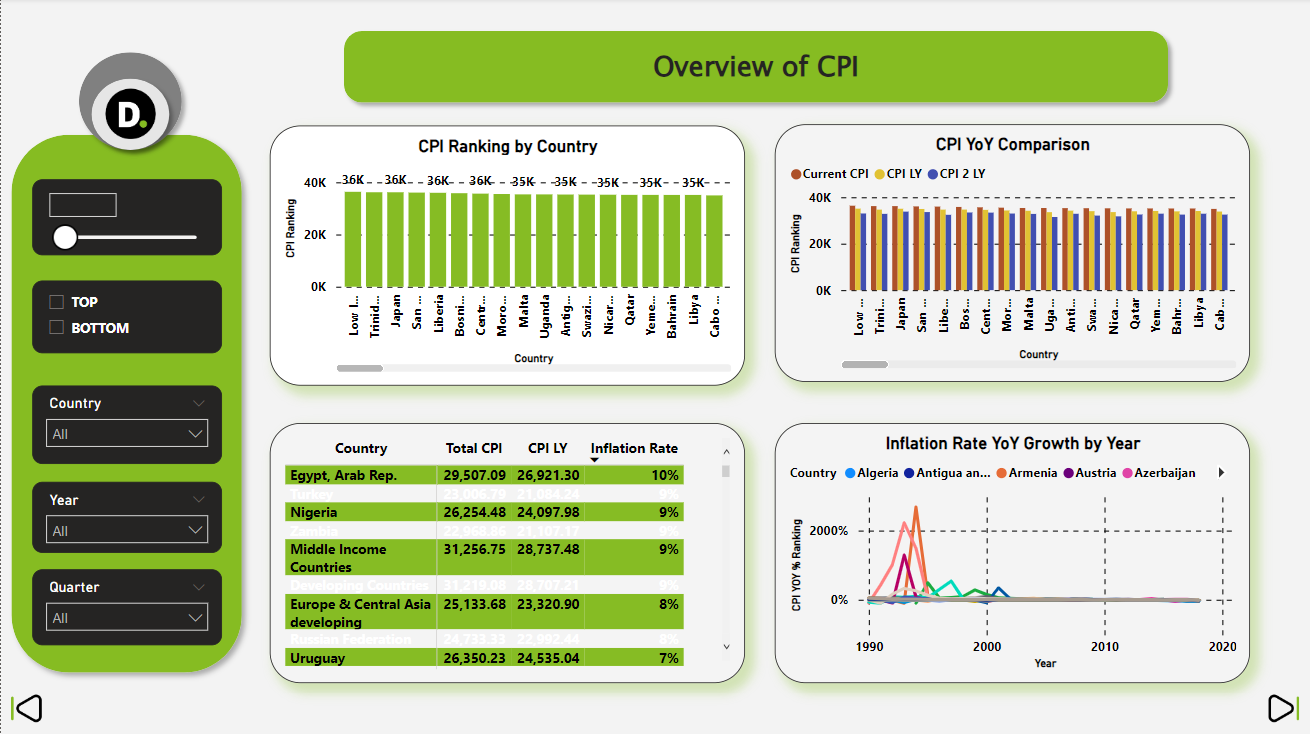
* Power Query (for data mash-up and transformation)
* Power BI Desktop (a companion development tool)
* Power BI Mobile (for Android, iOS, Windows phones)
* Power BI Pivot (for in-memory tabular data modelling)
* Power BI View (for viewing data visualisation)
* Power BI Map (for visualizing 3D geo-spatial data)
* Power BI Q&A (for natural language Q&A)
* Our entire data source is our excel file. This excel file is connected to the Power Bi server. From the server, data can be shown and accessed.
* Power Bi server has various architectural components regarding to solve the query.
* The functionalities show the result according to query entered by the end user or client.
* Client entered the query to show the graph, after selecting the data in form of rows and columns it will go inside the Power Bi server. In Power Bi server, it understands the query and generates the best recommended charts based on selected data and return it into the Power Bi screen.
* Based on recommended charts, client can make the visual aspect of the same.
* If client is not satisfied with the result, he/she has to select data accordingly otherwise make required changes to show the expected result

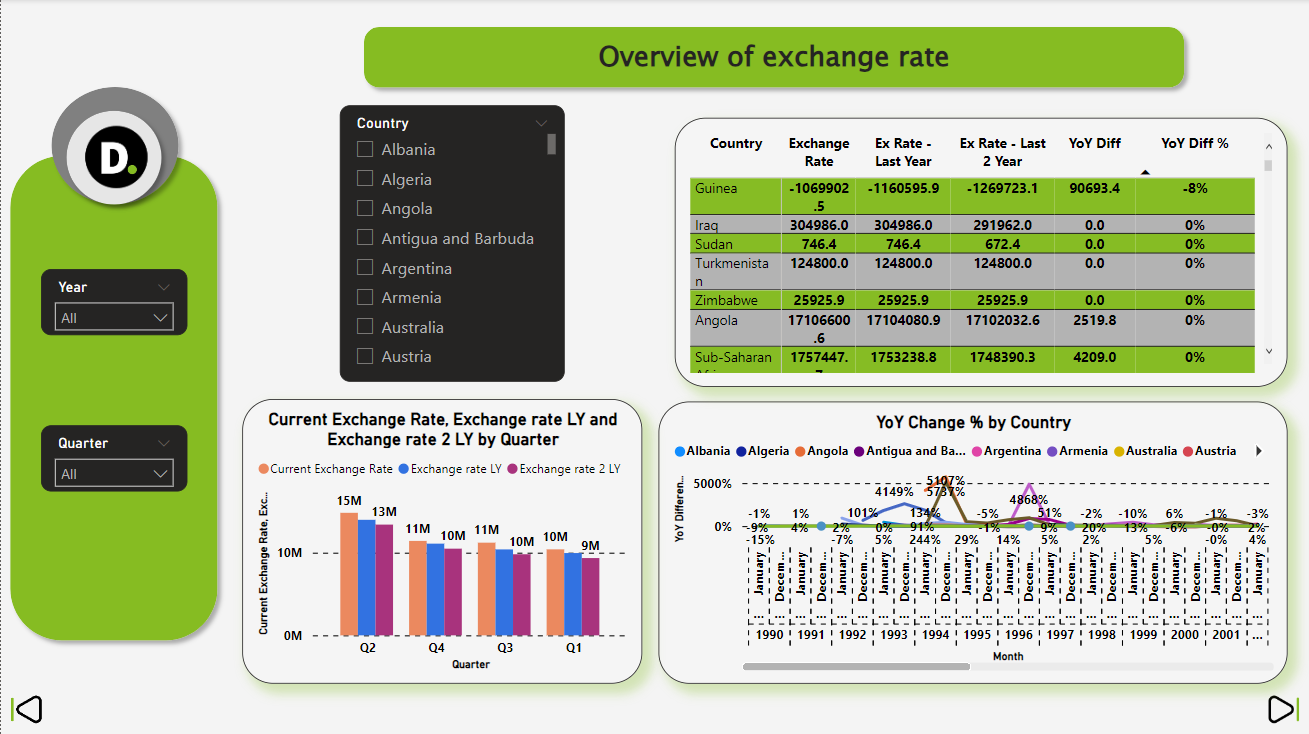
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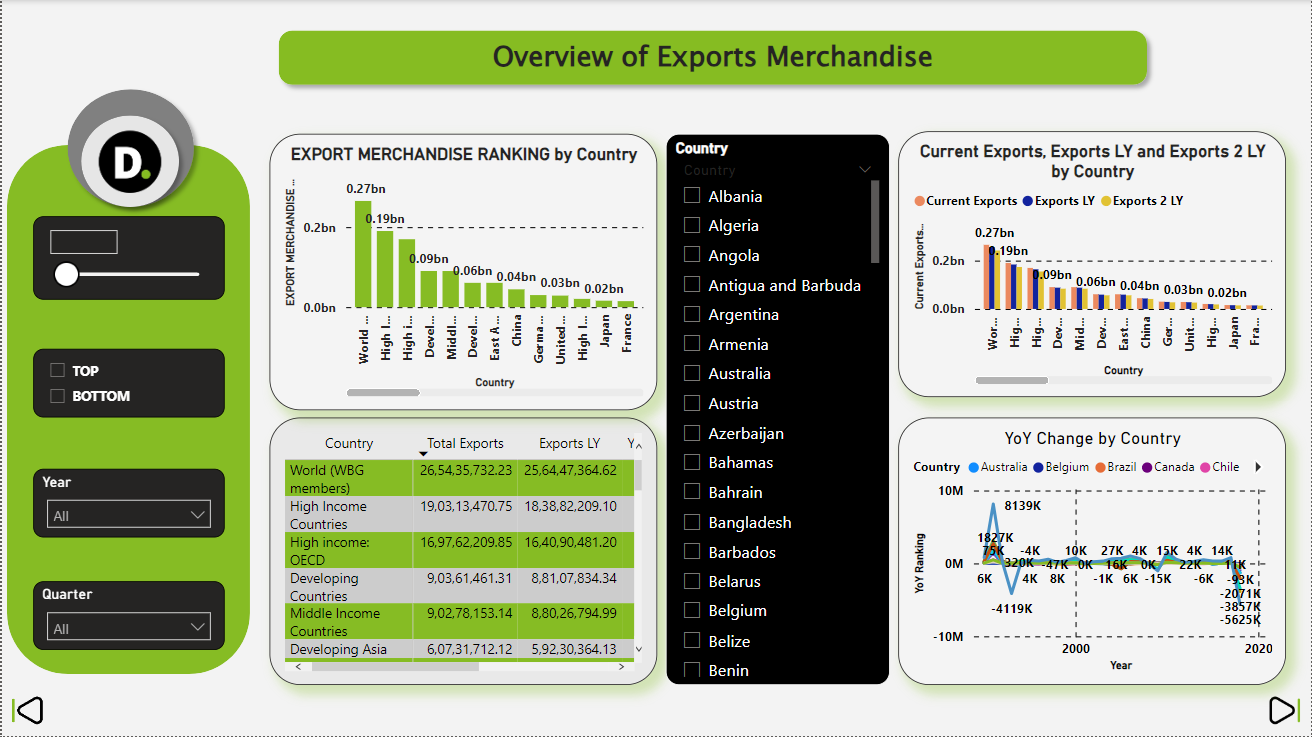
Visuals

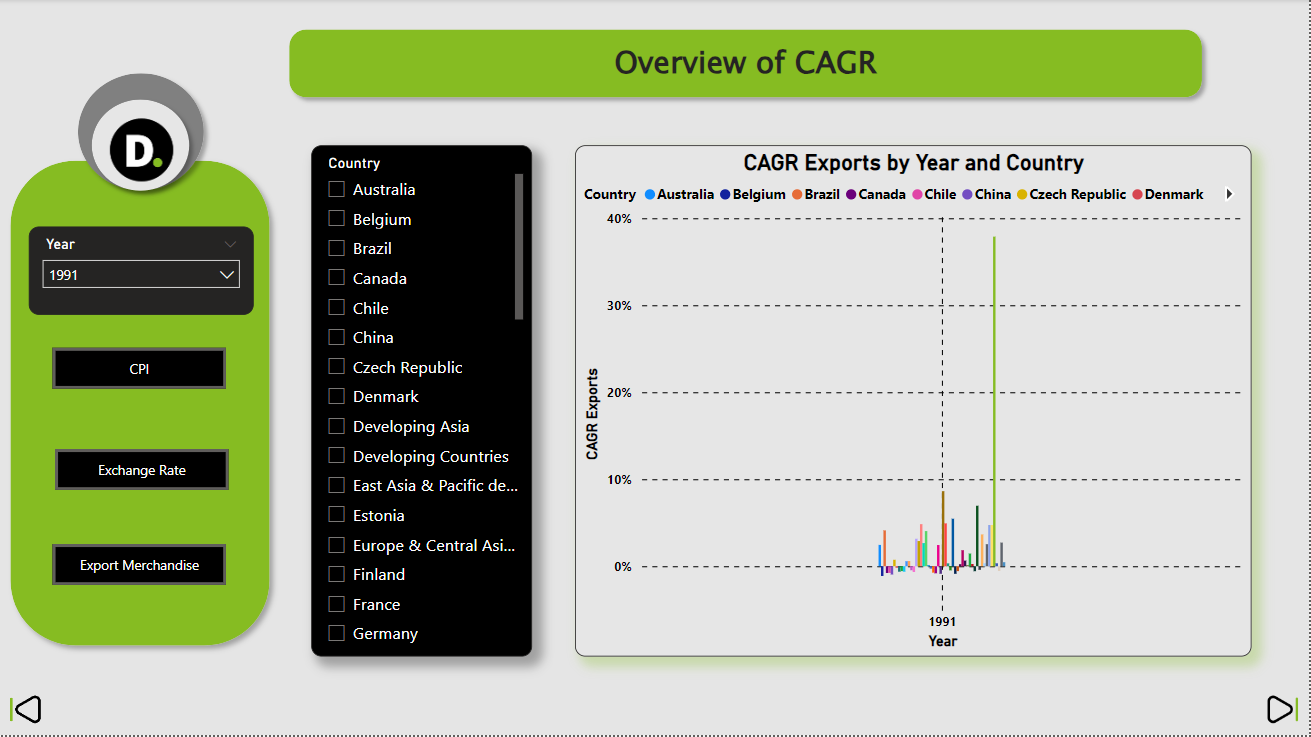


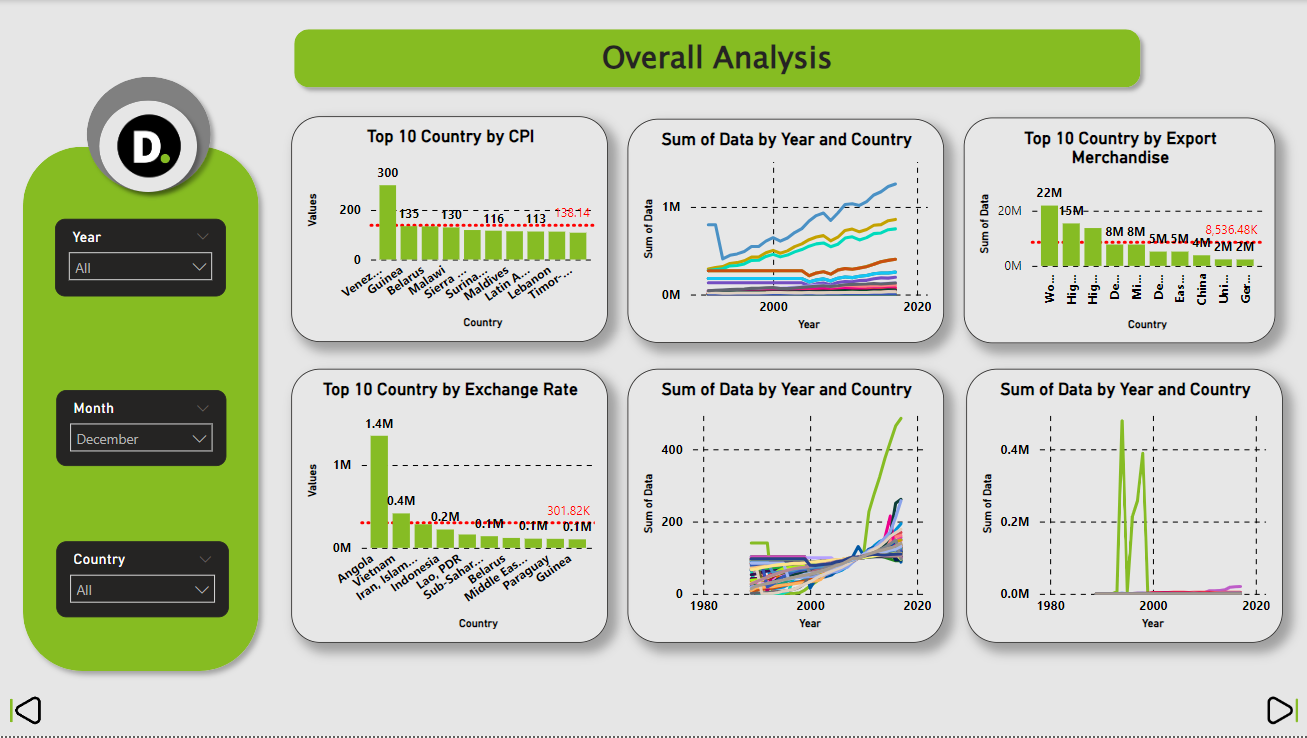
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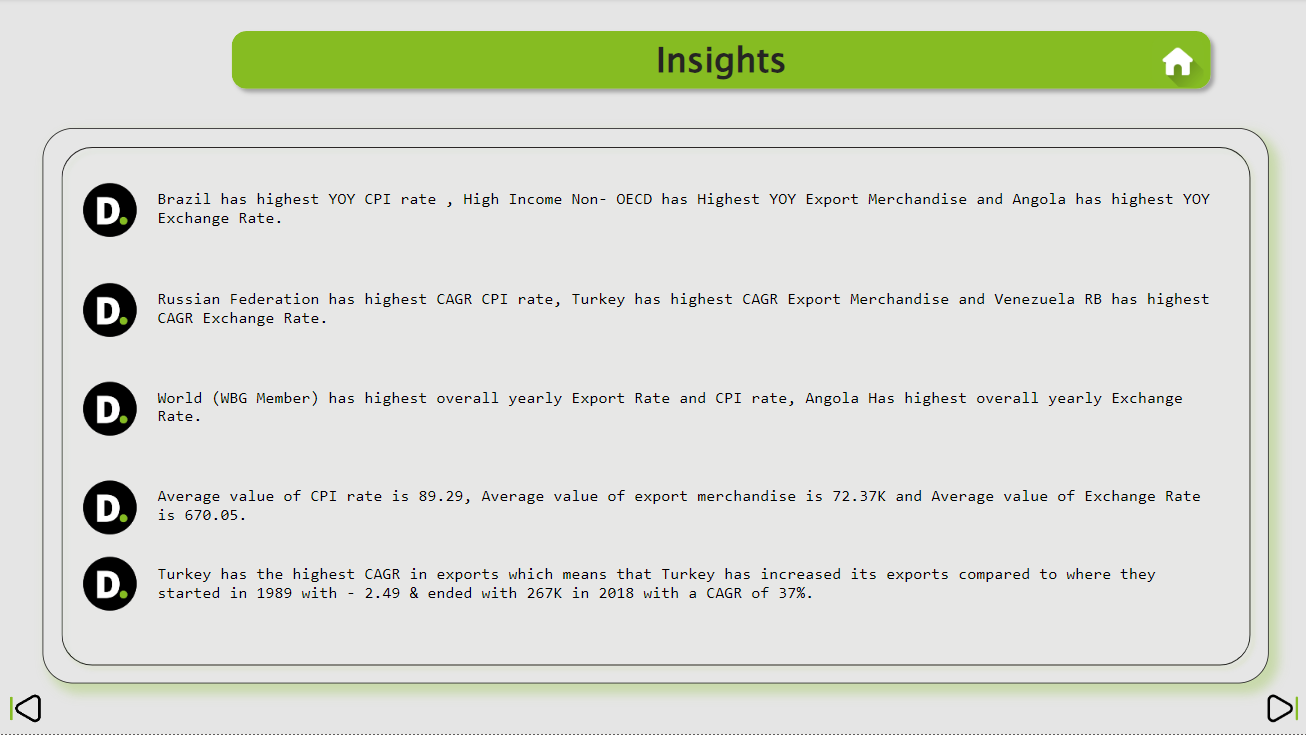




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