



BIG DATA



Հայաստանի Հանրապետության
Ծանոթացման Ծառ

Presentation By

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Objective:

The main objective of this Project was to conduct a comprehensive analysis of [insert Project focus] using big data techniques, in order to derive valuable insights for [insert specific Purpose].

Design Thinking Process:

The Project followed a design thinking Process that involved the following stages:

- 1. EmPathize**
- 2. Define**
- 3. Ideate**
- 4. Prototype**
- 5. Test**



1. EmPathize: Understanding the requirements and constraints of the Project stakeholders.

2. Define: Clearly defining the scope, objectives, and constraints of the analysis Project.



3. Ideate: Brainstorming various data analysis techniques and Potential methodologies to be employed.

4. Prototype: Creating initial models and trial analyses to validate the approach.

5. Test: Evaluating the effectiveness of the analysis methodologies and refining the approach.



Development Phases:

The development of the Project took Place in the following stages:

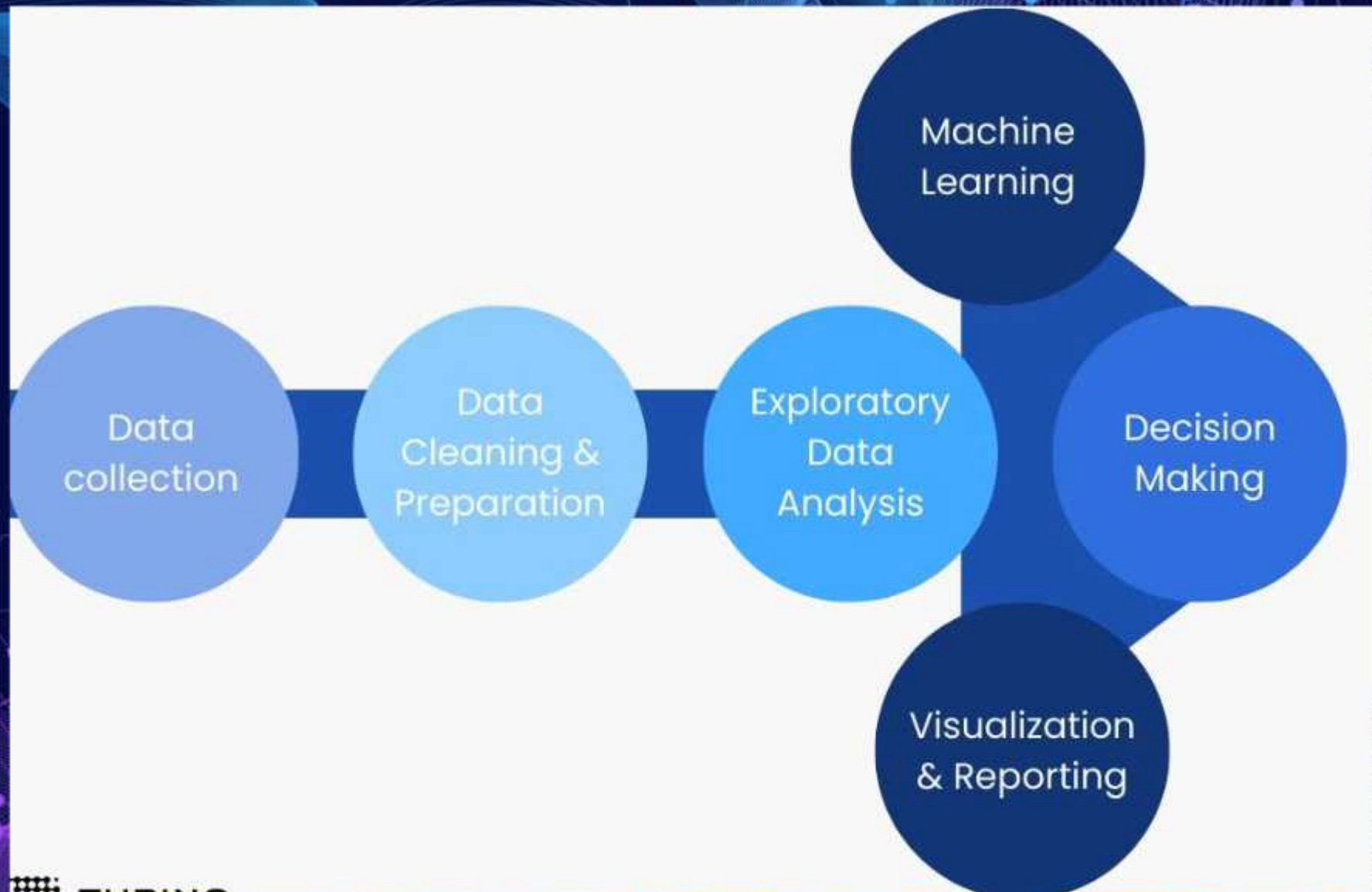
- 1. Data Collection and PreProcessing:***
- 2. Database SetuP:***
- 3. Analysis Techniques:***
- 4. Visualization Methods:***



1. Data Collection and PreProcess:

Gathering the relevant data from [source] and Performing data cleaning and PreProcessing tasks.





1. Data Collection and PreProcessing:

2. Database Setup:

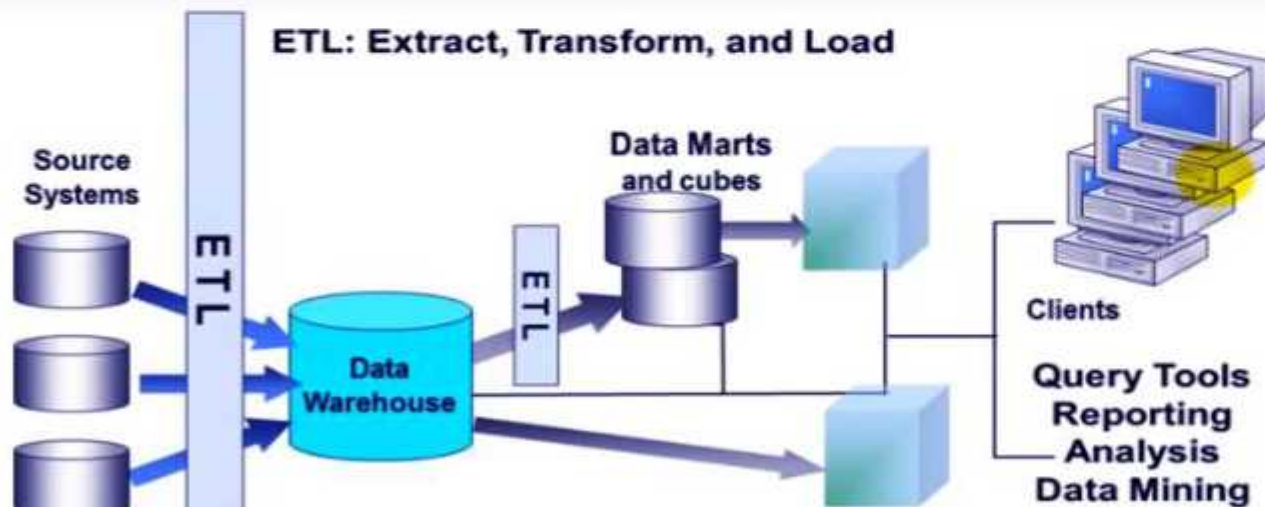
Implementing a [specific database system] to store and manage the collected data efficiently.



Data, Database, Big Data, and Data Warehouse



No

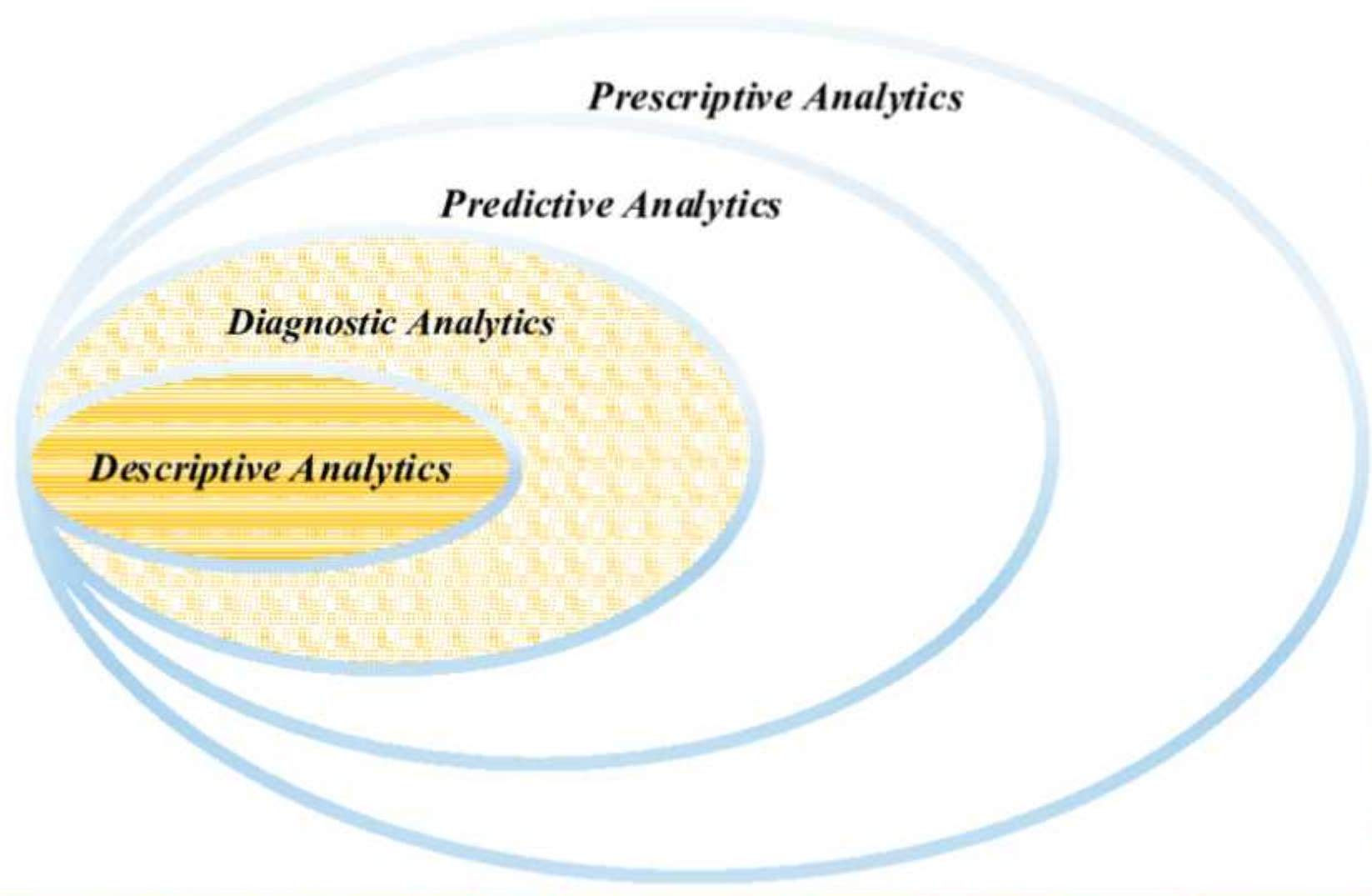


2. Database Setup:

3. Analysis Techniques:

Employing [specific big data analysis techniques, e.g., machine learning algorithms, data mining techniques] to derive meaningful insights.





3. Analysis Techniques:

4. Visualization Methods:

Utilizing [specific visualization tools, e.g., Tableau, Power BI] to create informative and visually appealing representations of the analyzed data.





XENONSTACK

A Beginner's Guide to **Big Data Visualization** Tools and its Techniques



4. Visualization Methods:

Database Setup:

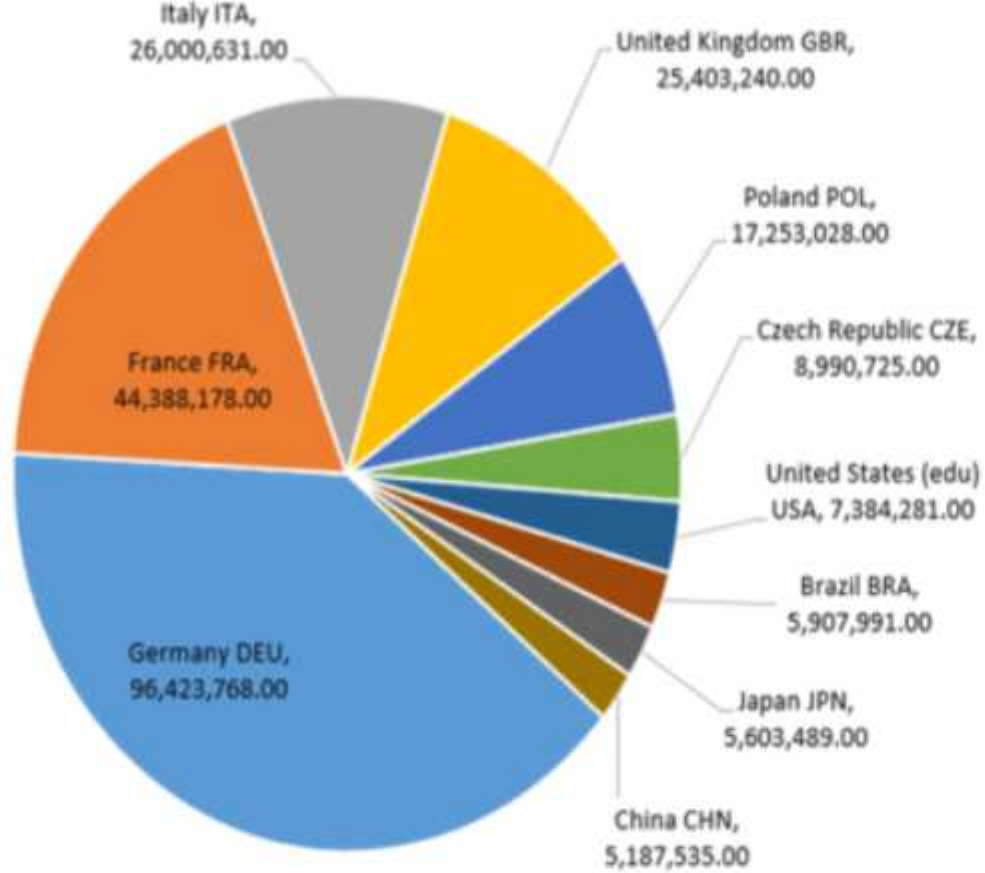
For this Project, we established a [specific database system, e.g., Hadoop, MongoDB] to manage the large-scale dataset effectively and ensure seamless data retrieval and Processing



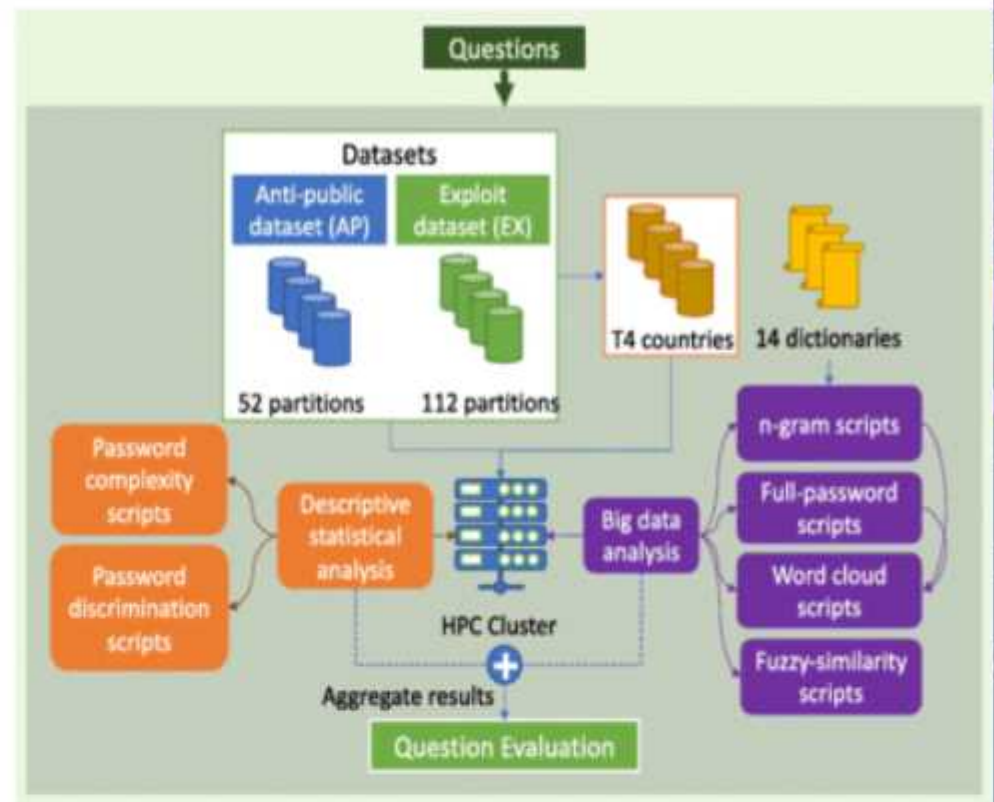
Selected Dataset:

The Project utilized a comprehensive dataset obtained from [source], containing [specific details of the dataset, e.g., size, attributes, format].





(a) Top 10 country occurrences in AP and EX.



(b) Study evaluation framework.

Selected Dataset:



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Visualization Methods:

The Project utilized [specific visualization tools, e.g., matplotlib, seaborn] to create insightful and interactive visual representations of the analysis results, enabling easy interpretation and understanding of complex data patterns.

PIP install matplotlib seaborn bokeh

PIP install tensorflow Pandas

**# Importing from tensorflow and keras
from tensorflow.keras.datasets import
mnist**

**from tensorflow.keras.models import
Sequential**

**from tensorflow.keras.layers import
Dense, Reshape**

from tensorflow.keras import utils

**from tensorflow import dtypes,
tensordot**

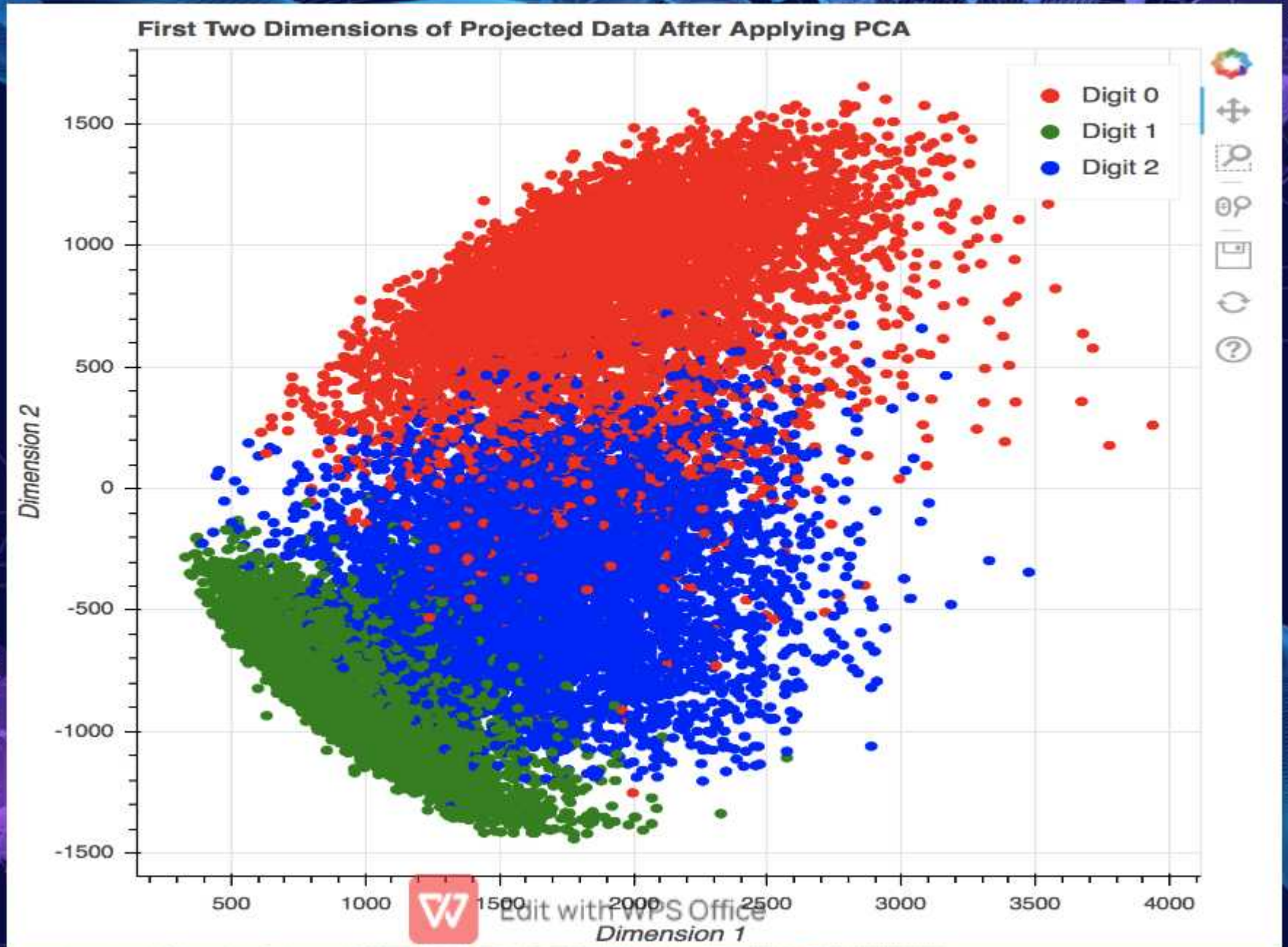
from tensorflow import

convert_to_tensor, linalg, transpose


```
# For math operations
import numpy as np
# For Plotting with matplotlib
import matplotlib.pyplot as plt
# For Plotting with seaborn
import seaborn as sns
# For Plotting with bokeh
from bokeh.plotting import figure,
show
from bokeh.models import Legend,
LegendItem
# For Pandas dataframe
import pandas as pd
```



OUTPUT



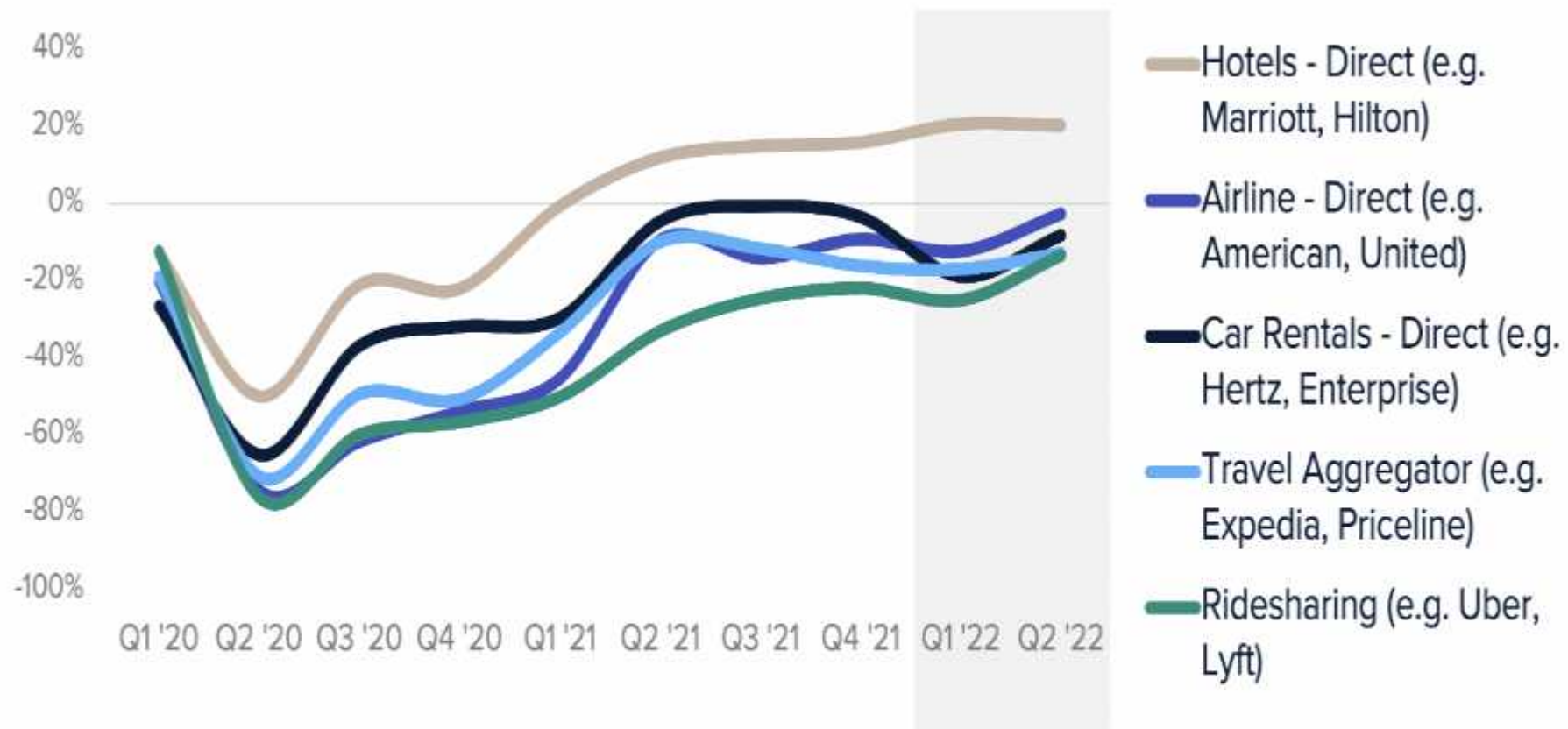
Business Insights:

The analysis findings
Provided key insights into
[specific business aspects,
enabling informed decision-
making and strategic
Planning. These insights
have the Potential to
optimize



Travel and Hospitality category spend

Relative % change vs. equivalent quarter in 2019; US National



Medallia

From Medallia Market Research Credit / Debit Transaction Panel.

Travel and Hospitality industries are non-standard in Sense360 by Medallia product; data is subject to restatement.

Business Insights:



Office

Catalog

🔍 Db2 ✕

Category ^

★ Recommended products (1)

☰ Compute (1)

📁 Storage (1)

🗄 Databases (2)

</> Developer tools (1)

Type ⓘ ^

☒ All

☐ Services

☐ Software

Search results for 'Db2'

Viewing 3 products



Db2

By IBM

A fully managed, highly-performant relational data store running the enterprise-class **Db2** database engine.

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Catalog /

Db2

A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine.

Create

About

Select a location

Dallas (us-south)



Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: United States

Plan	Features and capabilities	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multitenant system The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of limitations as shown. You can continue using the free plan for as long as needed, however, users are asked to re-extend their free account every 90 days by email. If you do not re-extend, your free account is cleaned out a further 90 days later. This helps provide free resources for everyone. Lite plan services are deleted after 30 days of inactivity.	Free
Standard	Instance with flexible scaling of compute and storage Base instance starts at 8 GB RAM x 20 GB Storage HIPAA Enabled	\$0.136 USD/Instance-Hour \$0.00027 USD/Gigabyte-Hours \$0.097 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0959 USD/SERVICEENDPOINT_INSTANCE_HOURS
Enterprise	Dedicated instance with flexible scaling of compute and storage Base instance starts at 4 vCPU x 16 GB RAM x 20 GB Storage Uses dedicated virtual machines HIPAA Enabled	\$1.30 USD/Instance-Hour \$0.00027 USD/Gigabyte-Hours \$0.30 USD/Virtual Processor Core-Hour \$0.00003 USD/BACKUP_GIGABYTE_HOURS \$0.0959 USD/SERVICEENDPOINT_INSTANCE_HOURS

Summary

Db2

Location: Dallas

Plan: Lite

Service name: Db2-ud

Resource group: Default

☒ I have read and agree to the following license agreements:[Terms](#)

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Add to estimate

**Internal IBM pricing**

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Recommended for you

These recommended products are complementary to the resources that you're already working with.

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Third party • Software • Databases

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THANK YOU



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