Course Name: Business Intelligence Lab Course Code:20CSP-421

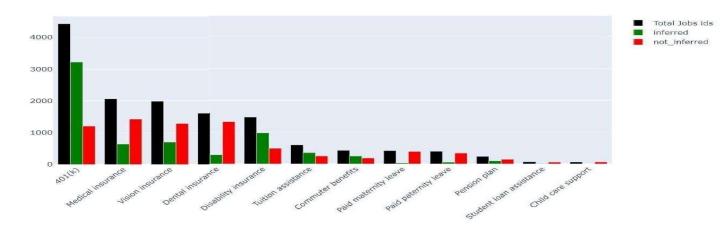
## **EXPERIMENT: 2.1**

AIM: Implement OLAP (Online Analytical Processing) for Business Insights.

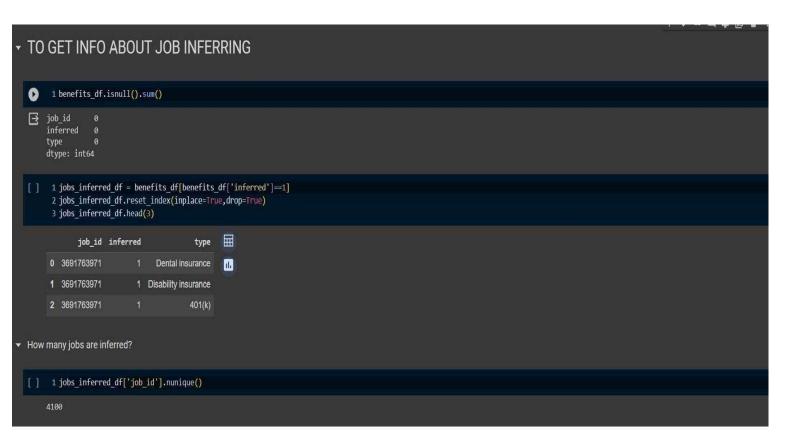
Objective: • The experiment involves setting up an OLAP system to analyse a dataset and extract meaningful insights.

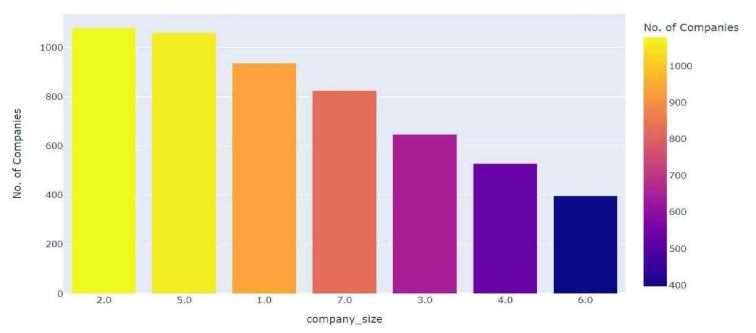
- The dataset can be sourced from various data repositories within the organization, such as transactional databases or data warehouses.
- The OLAP system will enable users to explore the data from multiple dimensions or perspectives, facilitating deeper analysis and visualization

## CODE:

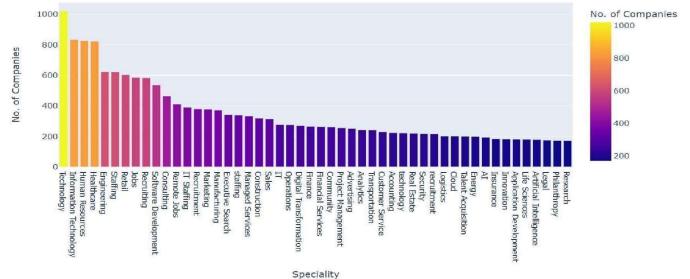


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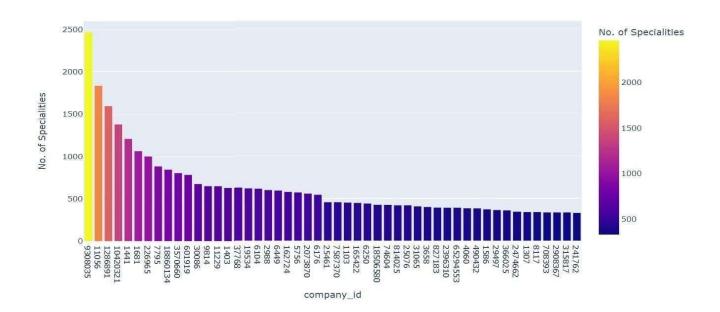




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## 3. Learning Outcomes:

- Understanding of OLAP: Participants will comprehend the concepts and principles of OLAP and its significance in business analytics and decision-making processes.
- Technical Skills: Participants will acquire hands-on experience in setting up and configuring an OLAP system, designing dimensional models, creating cubes, and loading data for analysis.
- Data Analysis Techniques: Participants will learn various OLAP analysis techniques, such as slicing and dicing, drill-down, and roll-up operations, to explore data from different dimensions and levels of detail.
- Business Insights: By analyzing the dataset using OLAP, participants will extract meaningful insights and
  understand the potential impact of such insights on business operations, performance, and strategic decisionmaking.