**📊 Data Analytics with IBM Data Refinery**

**📌 Project Summary**

**This assignment involved using IBM Cloud Data Refinery, a no-code data preparation tool, to clean, transform, and analyze a dataset. The goal was to explore the core concepts of data wrangling and visualization, which form the foundation for all data science and business analytics tasks.**

**🧠 Objective**

To prepare and analyze raw data for further insights by:

* Cleaning and formatting the dataset
* Filtering and transforming records
* Visualizing patterns and distributions

**🔧 Tools & Technologies Used**

* **IBM Cloud Data Refinery**
* Drag-and-drop transformation tools
* Built-in data profiling and visualization features

**🗂️ Workflow Summary**

1. Imported the dataset into IBM Cloud
2. Applied data cleaning steps (renaming, dropping, and filtering columns)
3. Converted data types for consistency and analysis
4. Used visualization tools to uncover trends and anomalies
5. Saved the refined dataset for future modeling or reporting

**✅ Outcome**

* Gained hands-on experience in no-code data preparation workflows
* Built a fully visual, step-by-step **ETL (Extract, Transform, Load)** process
* Understood the role of clean data in machine learning and business intelligence

**📸 Screenshots**





