SUMMARY REPORT OF DATA CLEANING

Summary Report: Business Employment Data (Dec 2024 Quarter)

Dataset Source: New Zealand's official business employment statistics
Original File: `machine-readable-business-employment-data-dec-2024-quarter.csv`
Original Size: 24,124 rows × 14 columns

Data Cleaning Steps

1. **Dropped empty columns:**

   o `Series_title_4`, `Series_title_5` — contained 100% missing values.

2. **Removed missing data:**

   o Dropped 2,839 rows with missing `Data_value` (employment figures).

3. **Removed duplicates:**

   o Ensured unique entries remained for accurate analysis.

4. **Final cleaned dataset:**

   o `21,285 rows × 12 columns`

   o Saved as `data/cleaned_business_employment_data.csv`

Exploratory Data Analysis (EDA)

1. **Job Types:**

   o Visualized distribution of `Series_title_1` (e.g., Filled jobs, Average total earnings).

2. **Top 10 Industries by Employment:**

   o Summed `Data_value` by `Series_title_2` to identify most significant employment sectors.

3. **Industry Trend Over Time:**

   o Focused on the **Construction** industry to visualize employment trends by quarter.