

# Project Title

## Employee Data Analysis with Python and Excel Dashboard

### Project Overview

I analyzed employee data from India and New Zealand using Python and Excel. The project focuses on cleaning, merging, and analyzing staff information such as salary, performance rating, gender balance, and age distribution.

### Tools Used

Python (Pandas, Matplotlib)

Microsoft Excel

Data visualization tools

### Objectives

Clean and merge multiple staff datasets

Analyze salary, gender, and department trends

Create visuals to communicate performance and workforce balance

Build a professional Excel dashboard for HR and management insights

### Key Insights

Procurement & Website are the largest departments

Average salary ≈ **\$77,000**, average age ≈ **30 years**

Balanced gender ratio (51% male, 49% female)

Most employees rated **“Average”**

New Zealand employees have slightly higher salaries

## **Deliverables**

Cleaned and merged dataset (.csv)

Excel report with summary and visuals (.xlsx)

Charts showing department, salary, and rating insights

## **Conclusion**

This analysis provided management with clear data-driven insights for HR planning and salary structure evaluation. It demonstrates my ability to combine **Python data analysis** and **Excel visualization** to produce meaningful business intelligence.