**Project: HR Employee Attrition Analysis**

**Goal:**

Analyze employee attrition and explore its relationship with factors like department, job satisfaction, monthly income, and more.

**Instructions**

**Step 1: Set Up Your Environment**

1. Unzip the file:  
   👉 Download the ZIP
2. Open employee\_attrition\_analysis.ipynb using:
   * Jupyter Notebook
   * Google Colab
   * VS Code with Jupyter extension

**Step 2: Load and Explore the Dataset**

In the notebook:

Check the columns, datatypes, and sample data.

**Step 3: Attrition by Department**

Visualize attrition across departments:

**Insight:** Identify which departments face higher turnover rates.

**Step 4: Monthly Income Distribution**

Understand the salary spread among employees:

**Insight:** Find out if low income correlates with high attrition later.

**Step 5: Job Satisfaction vs Attrition**

**Insight:** Are dissatisfied employees more likely to leave?

**Step 6: Bonus: Deeper Insights (Optional)**

Here are some optional steps you can try:

**1. Attrition vs Years at Company**

**2. Gender-Based Attrition**

**3. Income vs Work-Life Balance**

**Step 7: Document Your Findings**

Write a summary in a Markdown cell at the end of the notebook:

* Which department had the most attrition?
* Did low job satisfaction or poor work-life balance lead to attrition?
* Which employee segments are most at risk?