

# Tasks\_19.09\_StartUP

## IT Startup Data Analysis

Welcome to the IT Startup Data Analysis project! In this task, we will simulate working in an IT startup by analyzing employee data. We will create a dataset, load it into Pandas, perform some analysis, and visualize the results. Let's get started!

### 1. Create and Load the Dataset

First, we'll create a dataset representing an IT startup with various employee roles and details. Save this dataset as `startup_data.csv`.

### 2. Inspect the Data

Let's take a look at the dataset to understand its structure and content.

### 3. Analyze the Data

We will perform some basic analyses to extract insights from the dataset.

1. Average Salary by Role
2. Performance Rating Distribution
3. Count of Employees per Department

### 4. Visualize the Data

Let's create visualizations to better understand our data.

1. Bar Plot of Average Salary by Role
2. Pie Chart of Employee Distribution by Department
3. Histogram of Performance Ratings
4. Box Plot of Salaries by Department