

Practice Day 15.5

Dataset : [https://github.com/phitronio/Python-for-ML/blob/main/Practice%20Day%20\(1\).csv](https://github.com/phitronio/Python-for-ML/blob/main/Practice%20Day%20(1).csv)

1. Add New Column and Save File

You have a DataFrame with column Price.

Create a new column Discounted_Price with (10% discounted price).

Save the modified DataFrame as discounted_products.csv.

2. Check Duplicates and Remove Them

Column: EmployeeID

Tasks:

- Count duplicate entries
 - Remove duplicates
 - Display cleaned DataFrame
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3. Handle Missing Values

Columns: Age, Salary

Tasks:

- Count missing values
 - Fill missing Age with mean age
 - Drop rows where Salary is missing
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4. Apply Statistical Functions

Columns: Marks1, Marks2, Marks3

Tasks:

- Calculate mean, max for each subject
 - Compute total marks per student
 - Find standard deviation of total marks
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5. Histogram, Bar, Scatter, Pie

Create:

- Histogram of Age
 - Scatter plot (Age vs Salary)
 - Scatter plot (Price vs Discounted Price)
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