Training Day – 38

Topic:\* Combining Datasets with Pandas

* Learned to concatenate and merge datasets.
* Example: Merged two datasets on a common key using pd.merge().set.

Combining Multiple Datasets:

* + Concatenation:

Combine along rows or columns.

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df1 = pd.DataFrame({'A': [1, 2]}) df2 = pd.DataFrame({'A': [3, 4]}) combined = pd.concat([df1, df2])

* + Merging (Join):

Combine based on a common key.

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df1 = pd.DataFrame({'ID': [1, 2], 'Name': ['Alice', 'Bob']}) df2 = pd.DataFrame({'ID': [1, 2], 'Score': [85, 90]}) merged = pd.merge(df1, df2, on='ID')

* + Cleaning After Merging:

Ensure no duplicate or irrelevant columns remain.

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merged.dropna(inplace=True)

