**Bike Rental Data Cleaning Assignment**

**Assignment Overview**

In this assignment, you will clean the Bike Rental dataset using one of the following tools: PowerQuery (Excel), Python (pandas), or Excel VBA Macros.

Your goal is to prepare the dataset for analysis by performing the following tasks:

1. Handle missing values appropriately.

2. Remove duplicate records.

3. Standardize date formats in the 'date' column.

4. Correct data types for numerical columns.

5. Normalize categorical values (e.g., 'weather\_sit', 'season').

6. Save the cleaned dataset.

**Tools**

You may use any of the following tools to complete the assignment:

- PowerQuery in Excel

- Python using pandas

- Excel VBA Macros

**Grading Rubric**

|  |  |  |
| --- | --- | --- |
| Criteria | Description | Points |
| Task Completion | All cleaning tasks are completed as specified. | 40 |
| Tool Usage | Appropriate use of selected tool for data cleaning. | 20 |
| Code/Steps Documentation | Clear documentation of steps or code used. | 20 |
| Final Output | Cleaned dataset is accurate and well-formatted. | 20 |