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Last login: Fri Apr 28 18:14:55 2023 from 3.16.146.4

[ec2-user@ip-172-31-11-215 ~]$ **sudo yum update -y**

**sudo yum install git -y**

Last metadata expiration check: 22:39:08 ago on Thu Apr 27 19:39:06 2023.

Dependencies resolved.

Nothing to do.

Complete!

Last metadata expiration check: 22:39:08 ago on Thu Apr 27 19:39:06 2023.

Package git-2.39.2-1.amzn2023.0.1.x86\_64 is already installed.

Dependencies resolved.

Nothing to do.

Complete!

[ec2-user@ip-172-31-11-215 ~]$ git --version

git version 2.39.2

[ec2-user@ip-172-31-11-215 ~]$ git clone https://github.com/Nayaeun/23SPring\_CC\_Final.git

fatal: destination path '23SPring\_CC\_Final' already exists and is not an empty directory.

[ec2-user@ip-172-31-11-215 ~]$ cd 23SPring\_CC\_Final

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ sudo yum install python3 python3-pip -y

Last metadata expiration check: 22:43:46 ago on Thu Apr 27 19:39:06 2023.

Package python3-3.9.16-1.amzn2023.0.3.x86\_64 is already installed.

Dependencies resolved.

============================================================================================================================================

Package Architecture Version Repository Size

============================================================================================================================================

Installing:

python3-pip noarch 21.3.1-2.amzn2023.0.5 amazonlinux 1.8 M

Installing weak dependencies:

libxcrypt-compat x86\_64 4.4.33-7.amzn2023 amazonlinux 92 k

Transaction Summary

============================================================================================================================================

Install 2 Packages

Total download size: 1.9 M

Installed size: 11 M

Downloading Packages:

(1/2): python3-pip-21.3.1-2.amzn2023.0.5.noarch.rpm 11 MB/s | 1.8 MB 00:00

(2/2): libxcrypt-compat-4.4.33-7.amzn2023.x86\_64.rpm 506 kB/s | 92 kB 00:00

--------------------------------------------------------------------------------------------------------------------------------------------

Total 7.8 MB/s | 1.9 MB 00:00

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Installing : libxcrypt-compat-4.4.33-7.amzn2023.x86\_64 1/2

Installing : python3-pip-21.3.1-2.amzn2023.0.5.noarch 2/2

Running scriptlet: python3-pip-21.3.1-2.amzn2023.0.5.noarch 2/2

Verifying : libxcrypt-compat-4.4.33-7.amzn2023.x86\_64 1/2

Verifying : python3-pip-21.3.1-2.amzn2023.0.5.noarch 2/2

Installed:

libxcrypt-compat-4.4.33-7.amzn2023.x86\_64 python3-pip-21.3.1-2.amzn2023.0.5.noarch

Complete!

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install --user -r requirements.txt

ERROR: Could not open requirements file: [Errno 2] No such file or directory: 'requirements.txt'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 2, in <module>

import numpy as np

ModuleNotFoundError: No module named 'numpy'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ import numpy as np

-bash: import: command not found

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install numpy

Defaulting to user installation because normal site-packages is not writeable

Collecting numpy

Downloading numpy-1.24.3-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (17.3 MB)

|████████████████████████████████| 17.3 MB 5.8 MB/s

Installing collected packages: numpy

Successfully installed numpy-1.24.3

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 3, in <module>

import pandas as pd

ModuleNotFoundError: No module named 'pandas'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install pandas

Defaulting to user installation because normal site-packages is not writeable

Collecting pandas

Downloading pandas-2.0.1-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (12.4 MB)

|████████████████████████████████| 12.4 MB 6.5 MB/s

Collecting tzdata>=2022.1

Downloading tzdata-2023.3-py2.py3-none-any.whl (341 kB)

|████████████████████████████████| 341 kB 47.0 MB/s

Collecting python-dateutil>=2.8.2

Downloading python\_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)

|████████████████████████████████| 247 kB 46.2 MB/s

Requirement already satisfied: pytz>=2020.1 in /usr/lib/python3.9/site-packages (from pandas) (2022.7.1)

Requirement already satisfied: numpy>=1.20.3 in /home/ec2-user/.local/lib/python3.9/site-packages (from pandas) (1.24.3)

Requirement already satisfied: six>=1.5 in /usr/lib/python3.9/site-packages (from python-dateutil>=2.8.2->pandas) (1.15.0)

Installing collected packages: tzdata, python-dateutil, pandas

Successfully installed pandas-2.0.1 python-dateutil-2.8.2 tzdata-2023.3

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 4, in <module>

import matplotlib.pyplot as plt

ModuleNotFoundError: No module named 'matplotlib'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install matplotlib

Defaulting to user installation because normal site-packages is not writeable

Collecting matplotlib

Downloading matplotlib-3.7.1-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (11.6 MB)

|████████████████████████████████| 11.6 MB 6.4 MB/s

Collecting pyparsing>=2.3.1

Downloading pyparsing-3.0.9-py3-none-any.whl (98 kB)

|████████████████████████████████| 98 kB 13.1 MB/s

Collecting packaging>=20.0

Downloading packaging-23.1-py3-none-any.whl (48 kB)

|████████████████████████████████| 48 kB 10.3 MB/s

Collecting kiwisolver>=1.0.1

Downloading kiwisolver-1.4.4-cp39-cp39-manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl (1.6 MB)

|████████████████████████████████| 1.6 MB 43.4 MB/s

Collecting pillow>=6.2.0

Downloading Pillow-9.5.0-cp39-cp39-manylinux\_2\_28\_x86\_64.whl (3.4 MB)

|████████████████████████████████| 3.4 MB 39.5 MB/s

Collecting cycler>=0.10

Downloading cycler-0.11.0-py3-none-any.whl (6.4 kB)

Collecting contourpy>=1.0.1

Downloading contourpy-1.0.7-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (299 kB)

|████████████████████████████████| 299 kB 48.8 MB/s

Collecting importlib-resources>=3.2.0

Downloading importlib\_resources-5.12.0-py3-none-any.whl (36 kB)

Requirement already satisfied: numpy>=1.20 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib) (1.24.3)

Requirement already satisfied: python-dateutil>=2.7 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib) (2.8.2)

Collecting fonttools>=4.22.0

Downloading fonttools-4.39.3-py3-none-any.whl (1.0 MB)

|████████████████████████████████| 1.0 MB 45.3 MB/s

Collecting zipp>=3.1.0

Downloading zipp-3.15.0-py3-none-any.whl (6.8 kB)

Requirement already satisfied: six>=1.5 in /usr/lib/python3.9/site-packages (from python-dateutil>=2.7->matplotlib) (1.15.0)

Installing collected packages: zipp, pyparsing, pillow, packaging, kiwisolver, importlib-resources, fonttools, cycler, contourpy, matplotlib

Successfully installed contourpy-1.0.7 cycler-0.11.0 fonttools-4.39.3 importlib-resources-5.12.0 kiwisolver-1.4.4 matplotlib-3.7.1 packaging-23.1 pillow-9.5.0 pyparsing-3.0.9 zipp-3.15.0

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 5, in <module>

import seaborn as sns

ModuleNotFoundError: No module named 'seaborn'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install seaborn

Defaulting to user installation because normal site-packages is not writeable

Collecting seaborn

Downloading seaborn-0.12.2-py3-none-any.whl (293 kB)

|████████████████████████████████| 293 kB 5.8 MB/s

Requirement already satisfied: numpy!=1.24.0,>=1.17 in /home/ec2-user/.local/lib/python3.9/site-packages (from seaborn) (1.24.3)

Requirement already satisfied: pandas>=0.25 in /home/ec2-user/.local/lib/python3.9/site-packages (from seaborn) (2.0.1)

Requirement already satisfied: matplotlib!=3.6.1,>=3.1 in /home/ec2-user/.local/lib/python3.9/site-packages (from seaborn) (3.7.1)

Requirement already satisfied: importlib-resources>=3.2.0 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (5.12.0)

Requirement already satisfied: cycler>=0.10 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (0.11.0)

Requirement already satisfied: pillow>=6.2.0 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (9.5.0)

Requirement already satisfied: python-dateutil>=2.7 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (2.8.2)

Requirement already satisfied: fonttools>=4.22.0 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (4.39.3)

Requirement already satisfied: packaging>=20.0 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (23.1)

Requirement already satisfied: pyparsing>=2.3.1 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (3.0.9)

Requirement already satisfied: kiwisolver>=1.0.1 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (1.4.4)

Requirement already satisfied: contourpy>=1.0.1 in /home/ec2-user/.local/lib/python3.9/site-packages (from matplotlib!=3.6.1,>=3.1->seaborn) (1.0.7)

Requirement already satisfied: pytz>=2020.1 in /usr/lib/python3.9/site-packages (from pandas>=0.25->seaborn) (2022.7.1)

Requirement already satisfied: tzdata>=2022.1 in /home/ec2-user/.local/lib/python3.9/site-packages (from pandas>=0.25->seaborn) (2023.3)

Requirement already satisfied: zipp>=3.1.0 in /home/ec2-user/.local/lib/python3.9/site-packages (from importlib-resources>=3.2.0->matplotlib!=3.6.1,>=3.1->seaborn) (3.15.0)

Requirement already satisfied: six>=1.5 in /usr/lib/python3.9/site-packages (from python-dateutil>=2.7->matplotlib!=3.6.1,>=3.1->seaborn) (1.15.0)

Installing collected packages: seaborn

Successfully installed seaborn-0.12.2

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 8760 entries, 0 to 8759

Data columns (total 17 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 Date 8760 non-null datetime64[ns]

1 BikeCount 8760 non-null int64

2 Hour 8760 non-null int64

3 Temp 8760 non-null float64

4 Humid 8760 non-null int64

5 WindSpeed 8760 non-null float64

6 Visibility 8760 non-null int64

7 DewPTemp 8760 non-null float64

8 SolarRad 8760 non-null float64

9 Rainfall 8760 non-null float64

10 Snowfall 8760 non-null float64

11 Season 8760 non-null object

12 Holiday 8760 non-null object

13 Functioning 8760 non-null object

14 Day 8760 non-null int32

15 Month 8760 non-null int32

16 Year 8760 non-null int32

dtypes: datetime64[ns](1), float64(6), int32(3), int64(4), object(3)

memory usage: 1.0+ MB

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 84, in <module>

from sklearn.preprocessing import StandardScaler, LabelEncoder

ModuleNotFoundError: No module named 'sklearn'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install sklearn

Defaulting to user installation because normal site-packages is not writeable

Collecting sklearn

Downloading sklearn-0.0.post4.tar.gz (3.6 kB)

Preparing metadata (setup.py) ... done

Using legacy 'setup.py install' for sklearn, since package 'wheel' is not installed.

Installing collected packages: sklearn

Running setup.py install for sklearn ... done

Successfully installed sklearn-0.0.post4

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 8760 entries, 0 to 8759

Data columns (total 17 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 Date 8760 non-null datetime64[ns]

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5 WindSpeed 8760 non-null float64

6 Visibility 8760 non-null int64

7 DewPTemp 8760 non-null float64

8 SolarRad 8760 non-null float64

9 Rainfall 8760 non-null float64

10 Snowfall 8760 non-null float64

11 Season 8760 non-null object

12 Holiday 8760 non-null object

13 Functioning 8760 non-null object

14 Day 8760 non-null int32

15 Month 8760 non-null int32

16 Year 8760 non-null int32

dtypes: datetime64[ns](1), float64(6), int32(3), int64(4), object(3)

memory usage: 1.0+ MB

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 84, in <module>

from sklearn.preprocessing import StandardScaler, LabelEncoder

ModuleNotFoundError: No module named 'sklearn'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install --user scikit-learn xgboost

Collecting scikit-learn

Downloading scikit\_learn-1.2.2-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (9.6 MB)

|██████████████████████▌ | 6.8 MB 5.4 MB/s eta 0:00:01

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Last login: Fri Apr 28 18:16:58 2023 from 3.16.146.3

[ec2-user@ip-172-31-11-215 ~]$ sudo yum update -y

sudo yum install git -y

Last metadata expiration check: 23:14:50 ago on Thu Apr 27 19:39:06 2023.

Dependencies resolved.

Nothing to do.

Complete!

Last metadata expiration check: 23:14:50 ago on Thu Apr 27 19:39:06 2023.

Package git-2.39.2-1.amzn2023.0.1.x86\_64 is already installed.

Dependencies resolved.

Nothing to do.

Complete!

[ec2-user@ip-172-31-11-215 ~]$ git --version

git version 2.39.2

[ec2-user@ip-172-31-11-215 ~]$ git clone https://github.com/Nayaeun/23SPring\_CC\_Final.git

fatal: destination path '23SPring\_CC\_Final' already exists and is not an empty directory.

[ec2-user@ip-172-31-11-215 ~]$ cd 23SPring\_CC\_Final

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ sudo yum install python3 python3-pip -y

Last metadata expiration check: 23:15:36 ago on Thu Apr 27 19:39:06 2023.

Package python3-3.9.16-1.amzn2023.0.3.x86\_64 is already installed.

Package python3-pip-21.3.1-2.amzn2023.0.5.noarch is already installed.

Dependencies resolved.

Nothing to do.

Complete!

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ python3 CC\_code.py

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 8760 entries, 0 to 8759

Data columns (total 17 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 Date 8760 non-null datetime64[ns]

1 BikeCount 8760 non-null int64

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3 Temp 8760 non-null float64

4 Humid 8760 non-null int64

5 WindSpeed 8760 non-null float64

6 Visibility 8760 non-null int64

7 DewPTemp 8760 non-null float64

8 SolarRad 8760 non-null float64

9 Rainfall 8760 non-null float64

10 Snowfall 8760 non-null float64

11 Season 8760 non-null object

12 Holiday 8760 non-null object

13 Functioning 8760 non-null object

14 Day 8760 non-null int32

15 Month 8760 non-null int32

16 Year 8760 non-null int32

dtypes: datetime64[ns](1), float64(6), int32(3), int64(4), object(3)

memory usage: 1.0+ MB

Traceback (most recent call last):

File "/home/ec2-user/23SPring\_CC\_Final/CC\_code.py", line 84, in <module>

from sklearn.preprocessing import StandardScaler, LabelEncoder

ModuleNotFoundError: No module named 'sklearn'

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip3 install scikit-learn

Defaulting to user installation because normal site-packages is not writeable

Collecting scikit-learn

Using cached scikit\_learn-1.2.2-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (9.6 MB)

Collecting threadpoolctl>=2.0.0

Downloading threadpoolctl-3.1.0-py3-none-any.whl (14 kB)

Collecting scipy>=1.3.2

Downloading scipy-1.10.1-cp39-cp39-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (34.5 MB)

|████████████████████████████████| 34.5 MB 6.7 MB/s 11

Requirement already satisfied: numpy>=1.17.3 in /home/ec2-user/.local/lib/python3.9/site-packages (from scikit-learn) (1.24.3)

Collecting joblib>=1.1.1

Downloading joblib-1.2.0-py3-none-any.whl (297 kB)

|████████████████████████████████| 297 kB 37.6 MB/s

Installing collected packages: threadpoolctl, scipy, joblib, scikit-learn

Successfully installed joblib-1.2.0 scikit-learn-1.2.2 scipy-1.10.1 threadpoolctl-3.1.0

[ec2-user@ip-172-31-11-215 23SPring\_CC\_Final]$ pip install xgboost

Defaulting to user installation because normal site-packages is not writeable

Collecting xgboost

Downloading xgboost-1.7.5-py3-none-manylinux2014\_x86\_64.whl (200.3 MB)

|█▌ | 9.1 MB 6.9 MB/s eta 0:00:28

[This will display the list of files and folders in the current directory.] ls

[Make sure you are in the repository's directory:] Cd /home/ec2-user/23SPring\_CC\_Final

[clone git] git clone <https://Nayaeun: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@github.com/Nayaeun/23SPring_CC_Final.git>

[Pull the latest changes from the repository:] git pull

Ls

python3 CC\_code\_xgboost.py