VAC assighnment 1 Amrutha Mallampati(RA1911042020056)CSBS Aim:to implement weatherHistory using linear regression

```
import numpy as np
import pandas as pd
from sklearn import preprocessing
import matplotlib.pyplot as plt
from matplotlib.dates import DateFormatter
import seaborn as sns
from sklearn.linear_model import LinearRegression,Ridge
from sklearn.ensemble import RandomForestRegressor
from sklearn.tree import DecisionTreeRegressor
from sklearn.model_selection import train_test_split
from sklearn.metrics import mean_squared_error,max_error,confusion_matrix
```

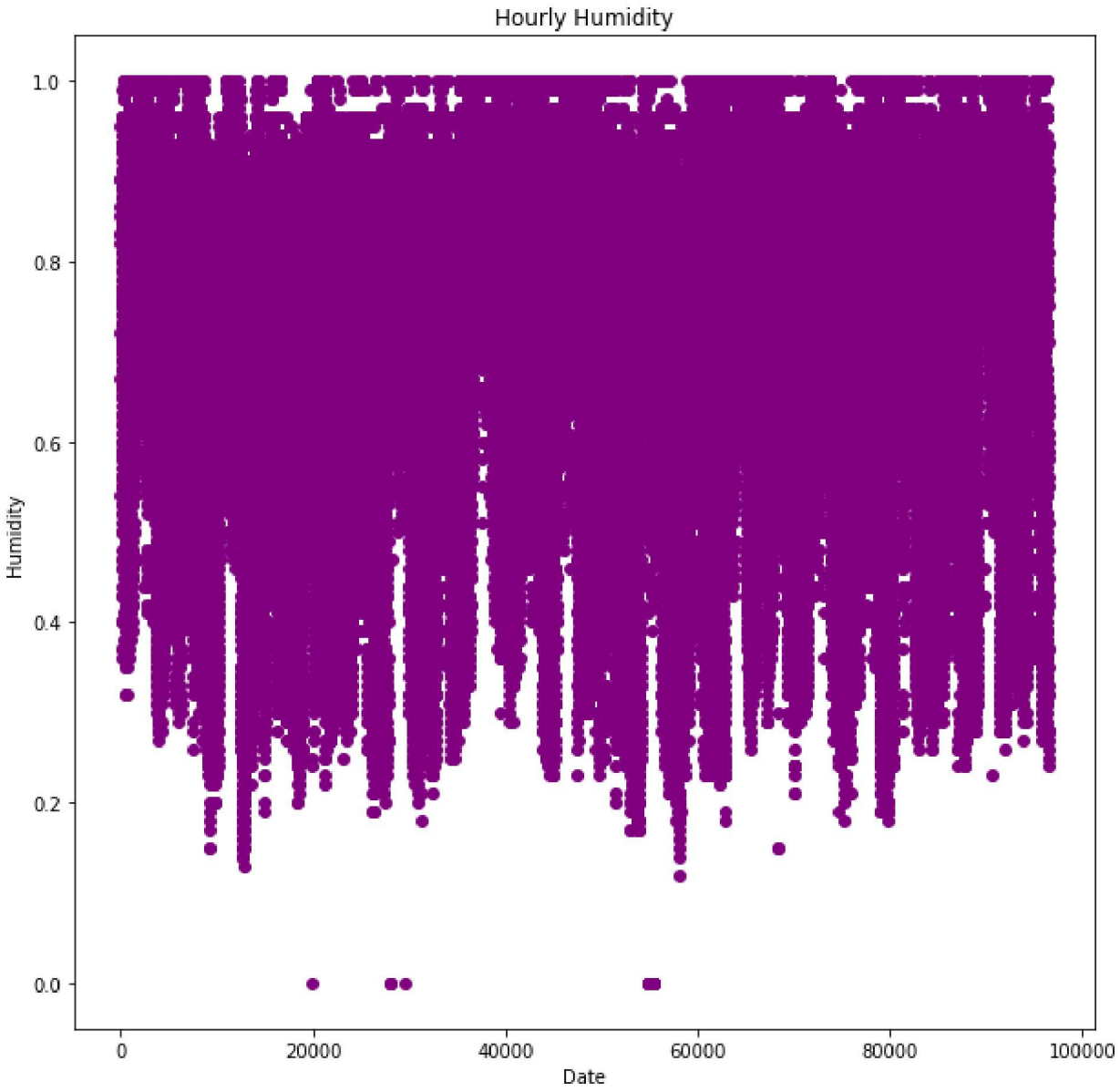
Double-click (or enter) to edit

```
weather_hourly = pd.read_csv('/content/weatherHistory.csv (1).zip')
```

```
weather_hourly.head()
```

	Formatted	Summary	Precip	Temperature	Apparent Temperature	Humidity	Wind Speed	Wi Beari

```
fig, ax = plt.subplots(figsize=(10,10))
ax.scatter(weather_hourly.index.values,
           weather_hourly['Humidity'],
           color='purple')
ax.set(xlabel='Date',ylabel='Humidity',title='Hourly Humidity')
plt.show()
```




```
result:implementation of weather history usi
regression was executed succesfully
```

result:implementation of weather history using linear regression was executed succesfully

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