import libraries

```
In [6]: %matplotlib inline
    import boto3
    import numpy as np
    import pandas as pd
    import seaborn as sns

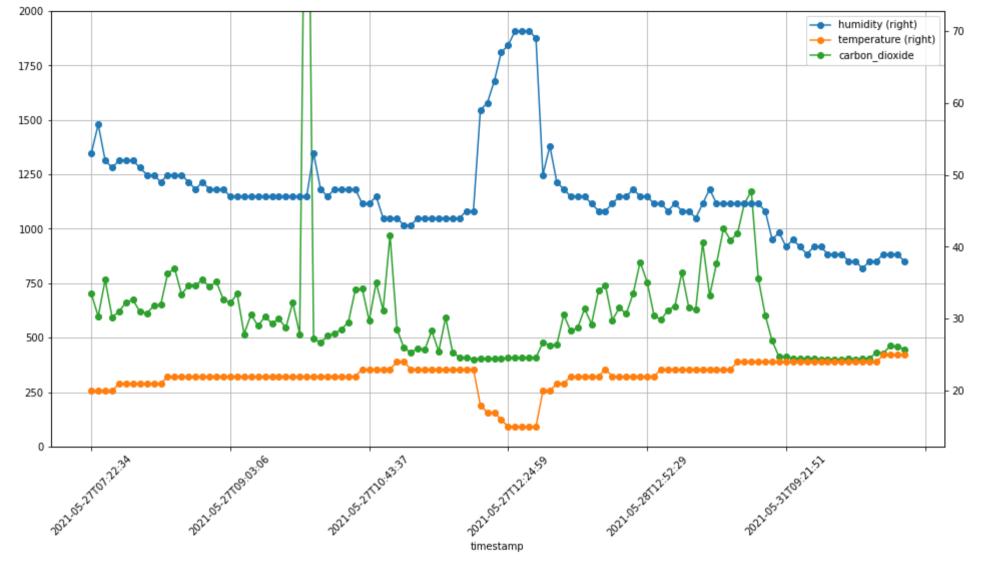
In [7]: import warnings
    warnings.filterwarnings("ignore")
```

import data from AWS

Out[8]: humidity temperature carbon_dioxide

```
timestamp
2021-05-27T07:22:34
                                        20
                                                       702
                           53
2021-05-27T07:27:35
                           57
                                         20
                                                       598
2021-05-27T07:32:37
                           52
                                        20
                                                       766
2021-05-27T07:37:38
                                        20
                                                       594
                           51
2021-05-27T07:42:40
                           52
                                         21
                                                       621
```

```
In [9]: df.plot(use_index=True, secondary_y= ["humidity","temperature"], figsize = (16,8), marker = "o", ylim=(0,2000), rot=45, grid = True)
Out[9]: <AxesSubplot:xlabel='timestamp'>
```



```
In [10]: # from scipy.stats import shapiro
    for column in df.columns:
        sns.displot(x=column, data=df, kde=True).set(title=(str(column)+ " distribution"))
```

