Bangladesh University of Business & Technology Dhaka,

Commerce College Road

Mirpur-2, Dhaka-1216

Course Code : CSE 476

Course Name : Data Mining Lab

:

Assignment - 2

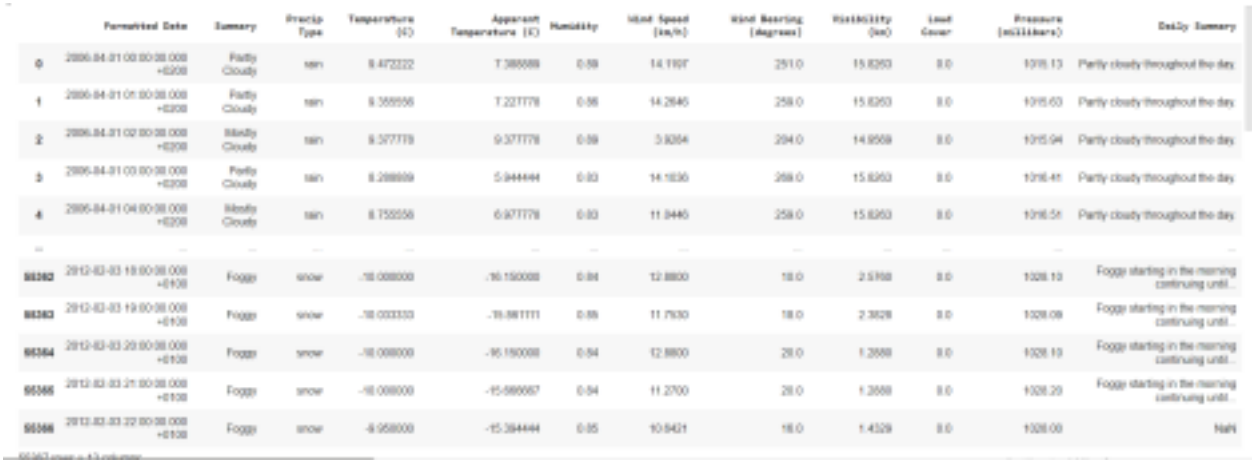
Submitted By	Submitted To
Sadeka Jafrin Id:18192103069 Intake:41 sec:03	Khan Md. Hasib Assistant Professor Dept of CSE, BUBT

CO2 Apply calculating mathematical statistics techniques (such as: mean -

average value, median - middle value, median - middle value, median - middle value) in the following dataset - https://www.kaggle.com/datasets/muthuj7/weather-dataset

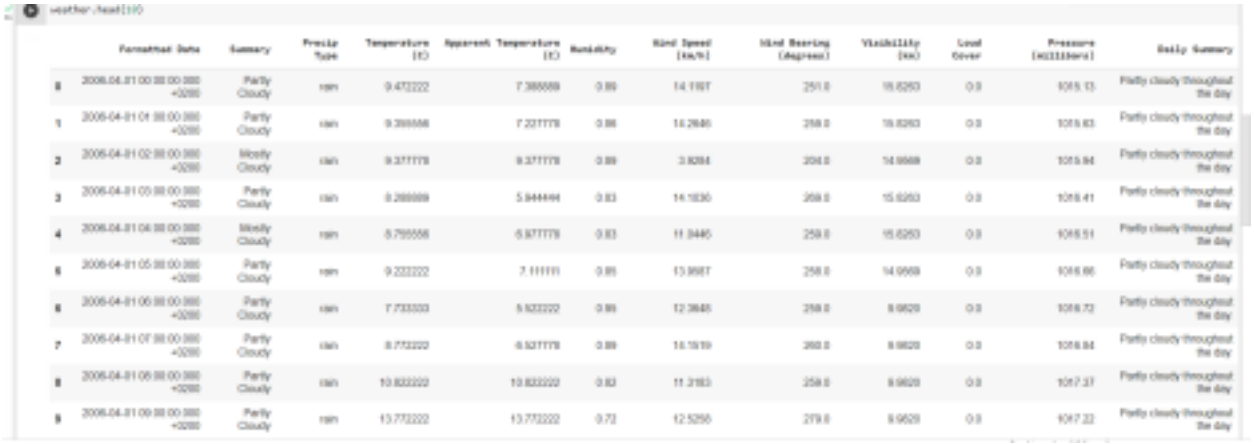
1.Import library

2. Upload the dataset & Viewing the data



	Formatted Date	Summary	Precip Type	Temperature (C)	Apparent Temperature (C)	Humidity	Wind Speed (km/h)	Wind Bearing (degrees)	Visibility (km)	Loud Cover	Pressure (millibars)	Daily Summary
0	2006-04-01 00:00:00.000 +0200	Partly Cloudy	rain	9.472222	7.388889	0.89	14.1197	251.0	15.8263	0.0	1015.13	Partly cloudy throughout the day.
1	2006-04-01 01:00:00.000 +0200	Partly Cloudy	rain	9.355556	7.227778	0.86	14.2646	259.0	15.8263	0.0	1015.63	Partly cloudy throughout the day.
2	2006-04-01 02:00:00.000 +0200	Mostly Cloudy	rain	9.377778	9.377778	0.89	3.9284	204.0	14.9569	0.0	1015.94	Partly cloudy throughout the day.
3	2006-04-01 03:00:00.000 +0200	Partly Cloudy	rain	8.288889	5.944444	0.83	14.1036	269.0	15.8263	0.0	1016.41	Partly cloudy throughout the day.
4	2006-04-01 04:00:00.000 +0200	Mostly Cloudy	rain	8.755556	6.977778	0.83	11.3440	259.0	15.8263	0.0	1016.51	Partly cloudy throughout the day.
...	...	...	...	...	...	...	...	...	...	...	...	...
96362	2012-03-03 19:00:00.000 +0100	Foggy	snow	-10.088000	-16.150000	0.84	12.8800	18.0	2.5700	0.0	1028.10	Foggy starting in the morning continuing until...
96363	2012-03-03 19:00:00.000 +0100	Foggy	snow	-10.033333	-16.661111	0.86	11.7530	18.0	2.3828	0.0	1028.09	Foggy starting in the morning continuing until...
96364	2012-03-03 20:00:00.000 +0100	Foggy	snow	-10.088000	-16.150000	0.84	12.8800	28.0	1.2888	0.0	1028.10	Foggy starting in the morning continuing until...
96365	2012-03-03 21:00:00.000 +0100	Foggy	snow	-10.088000	-15.588667	0.84	11.2700	28.0	1.2888	0.0	1028.20	Foggy starting in the morning continuing until...
96366	2012-03-03 22:00:00.000 +0100	Foggy	snow	-9.988000	-15.394444	0.85	10.9421	18.0	1.4329	0.0	1028.00	NaN

3.View the top 10 rows of the dataset.



4.Showing the mean -average value,

```
[14] import statistics
```

```
mean=statistics.mean(weather["Humidity"])

print("Mean of Humidity is:", mean)
```

```
Mean of Humidity is: 0.7312608593566565
```

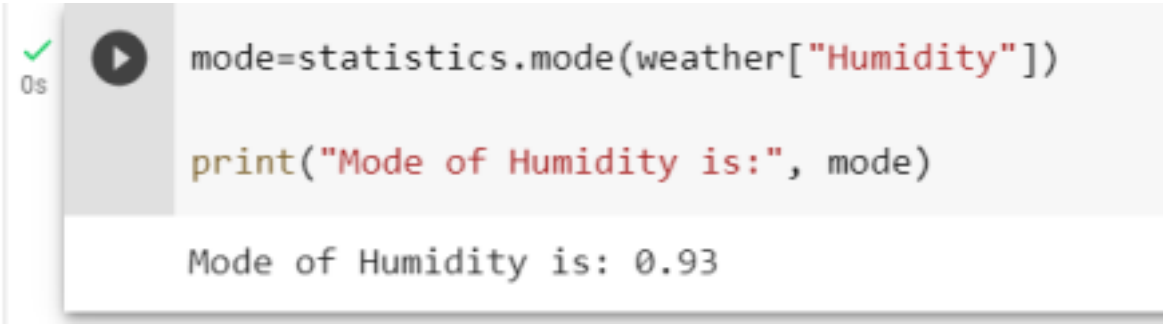
5.Showing the median - middle value,

```
median=statistics.median(weather["Humidity"])

print("Median of Humidity is:", median)
```

```
Median of Humidity is: 0.78
```

6. Showing the mode value



7.Showing the Standard deviation value