## **Learning Pandas**

link for the course: https://bit.ly/3vmaoHe

In [ ]: #installing pandas and Importing it
 # pip install pandas
import pandas as pd

] .		EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Precipital
	0	1/1/2016	38	23	52	30.03	10	8.0	
	1	1/2/2016	36	18	46	30.02	10	7.0	
	2	1/3/2016	40	21	47	29.86	10	8.0	
	3	1/4/2016	25	9	44	30.05	10	9.0	
	4	1/5/2016	20	-3	41	30.57	10	5.0	
	5	1/6/2016	33	4	35	30.50	10	4.0	
	6	1/7/2016	39	11	33	30.28	10	2.0	
	7	1/8/2016	39	29	64	30.20	10	4.0	
	8	1/9/2016	44	38	77	30.16	9	8.0	
	9	1/10/2016	50	46	71	29.59	4	NaN	
	10	1/11/2016	33	8	37	29.92	10	NaN	
	11	1/12/2016	35	15	53	29.85	10	6.0	
	12	1/13/2016	26	4	42	29.94	10	10.0	
	13	1/14/2016	30	12	47	29.95	10	5.0	
	14	1/15/2016	43	31	62	29.82	9	5.0	
	15	1/16/2016	47	37	70	29.52	8	7.0	
	16	1/17/2016	36	23	66	29.78	8	6.0	
	17	1/18/2016	25	6	53	29.83	9	12.0	
	18	1/19/2016	22	3	42	30.03	10	11.0	
	19	1/20/2016	32	15	49	30.13	10	6.0	
	20	1/21/2016	31	11	45	30.15	10	6.0	

EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Precipita
1/22/2016	26	6	41	30.21	9	NaN	
1/23/2016	26	21	78	29.77	1	16.0	
1/24/2016	28	11	53	29.92	8	6.0	
1/25/2016	34	18	54	30.25	10	3.0	
1/26/2016	43	29	56	30.03	10	7.0	
1/27/2016	41	22	45	30.03	10	7.0	
1/28/2016	37	20	51	29.90	10	5.0	
1/29/2016	36	21	50	29.58	10	8.0	
1/30/2016	34	16	46	30.01	10	7.0	
1/31/2016	46	28	52	29.90	10	5.0	
1/10/20 1/16/20 1/27/20	016 016 016						
hat was th	he average w	ind speed					
int(df['Wi	indSpeedMPH'	].mean())					
his is bed	cause there	was NAN vo	alues in a	lataset, No	ow we have to	do Data mungin	g or Dat
	adMDU'l £:11	na(0. inp]	lace= <b>True</b> )	ı			
	1/23/2016  1/24/2016  1/25/2016  1/26/2016  1/27/2016  1/29/2016  1/30/2016  1/31/2016  1/4/20  1/	1/23/2016 28 1/24/2016 34 1/25/2016 43 1/26/2016 41 1/28/2016 37 1/29/2016 36 1/30/2016 34 1/31/2016 46  **To find the maximinm to compare the maximin	1/23/2016 26 21  1/24/2016 28 11  1/25/2016 34 18  1/26/2016 43 29  1/27/2016 41 22  1/28/2016 37 20  1/29/2016 36 21  1/30/2016 34 16  1/31/2016 46 28  To find the maximinm temprature ['Temperature'].max()  In which dates there was raining ['EST'][df['Events'] == 'Rain']  1/9/2016  1/10/2016  1/10/2016  1/16/2016  1/27/2016  The interpretation of the state of the st	1/23/2016	1/23/2016	1/23/2016	1/23/2016

PressureIn

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8.0

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In [ ]:

#now the data in WindSpeedMPH Column is cleaned now we can find the average speed
df['WindSpeedMPH'].mean()

Out[ ]:	6.225806451612903
In [ ]:	