

Daily Weather Observations



Work Flow:



WEB
SCRAPING



CLEANING



EDA



MODELING

Web Scrapping:



Daily Observations

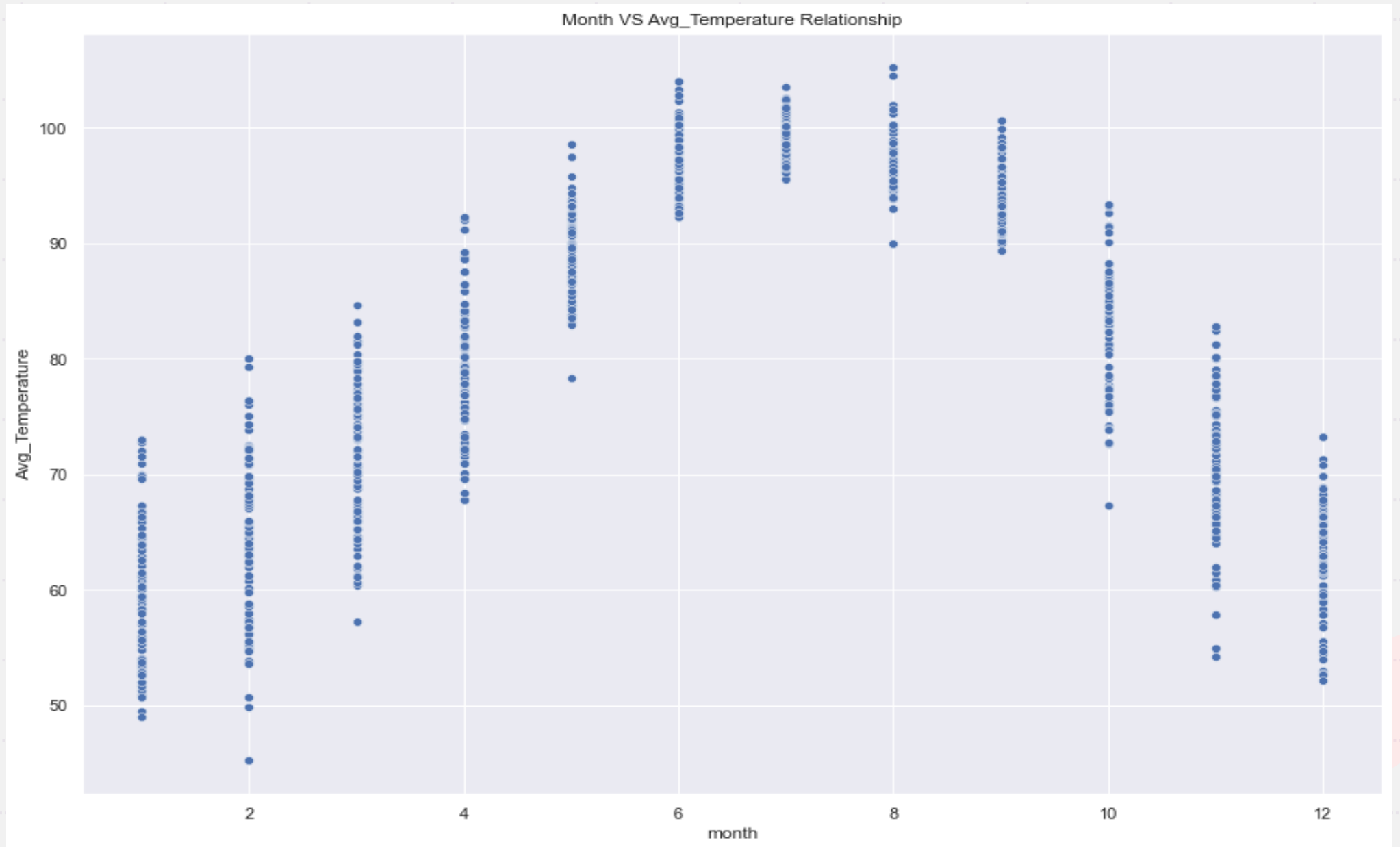
Time	Temperature (° F)			Dew Point (° F)			Humidity (%)			Wind Speed (mph)			Pressure (Hg)			Precipitation
	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	
Dec																
1	66	61.9	57	61	58.5	55	94	88.9	78	9	4.7	2	28.0	28.0	27.9	0.00
2	73	66.5	63	61	60.1	57	94	80.9	57	12	6.6	2	28.0	28.0	27.9	0.00
3	81	71.3	61	59	56.5	54	88	62.0	39	13	5.7	2	28.0	28.0	27.9	0.00
4	81	73.2	63	57	56.3	55	77	56.6	45	10	6.7	2	28.0	27.9	27.9	0.00
5	81	70.8	63	61	57.3	52	88	65.2	42	15	8.8	3	28.0	27.9	27.8	0.00
6	75	68.8	57	55	42.6	37	67	40.1	25	16	11.0	0	28.0	27.9	27.8	0.00
7	70	59.3	50	48	44.0	39	87	59.8	33	9	6.6	3	28.1	28.1	28.0	0.00
8	72	59.1	48	46	42.4	39	76	56.1	31	7	2.7	0	28.2	28.1	28.1	0.00
9	77	62.2	48	46	40.8	36	71	48.5	26	8	2.4	0	28.1	28.0	28.0	0.00
10	73	61.5	54	48	41.5	37	72	50.1	29	14	6.6	0	28.1	28.0	28.0	0.00
11	70	58.4	48	48	42.5	37	76	57.5	37	6	3.2	0	28.1	28.1	28.0	0.00
12	72	59.1	48	43	39.4	37	66	50.2	31	6	2.8	0	28.1	28.1	28.0	0.00
13	73	59.1	46	43	40.0	37	71	51.4	33	7	1.8	0	28.1	28.1	28.0	0.00
14	75	59.7	45	46	39.3	36	71	49.6	29	6	2.4	0	28.1	28.0	28.0	0.00
15	73	61.6	48	39	35.0	32	66	40.0	22	13	6.5	2	28.1	28.0	27.9	0.00
16	77	64.1	54	37	32.4	30	44	31.8	19	10	6.9	3	28.0	28.0	27.9	0.00
17	79	66.4	54	45	39.0	36	54	38.1	23	9	5.0	0	28.0	28.0	27.9	0.00

Cleaning:

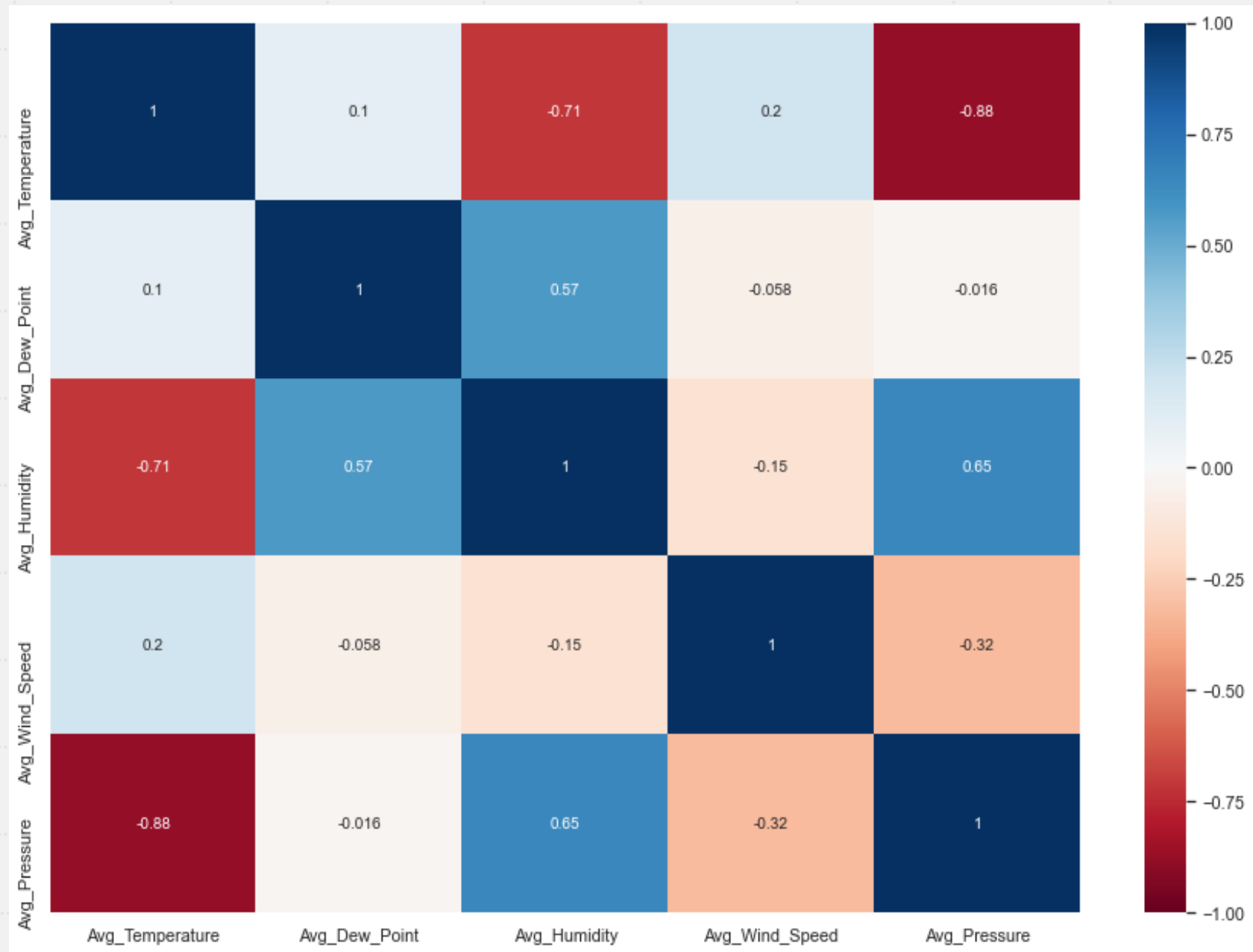
	year	month	Day	Avg_Temperature	Avg_Dew_Point	Avg_Humidity	Avg_Wind_Speed	Avg_Pressure
0	2018.0	1.0	1	62.9	24.5	28.2	4.0	27.9
1	2018.0	1.0	2	59.6	30.0	33.5	8.8	27.9
2	2018.0	1.0	3	55.5	29.3	38.4	5.3	28.0
3	2018.0	1.0	4	56.0	26.8	34.7	3.5	28.0
4	2018.0	1.0	5	62.1	30.6	31.1	4.4	27.9
...
1003	2020.0	12.0	24	62.1	39.8	45.1	5.3	27.9
1004	2020.0	12.0	25	57.8	38.3	50.1	6.1	28.1
1005	2020.0	12.0	26	52.7	22.4	33.8	5.2	28.1
1006	2020.0	12.0	27	52.2	25.8	39.0	3.3	28.1
1007	2020.0	12.0	28	54.7	42.8	64.9	2.9	28.1

1008 rows × 8 columns

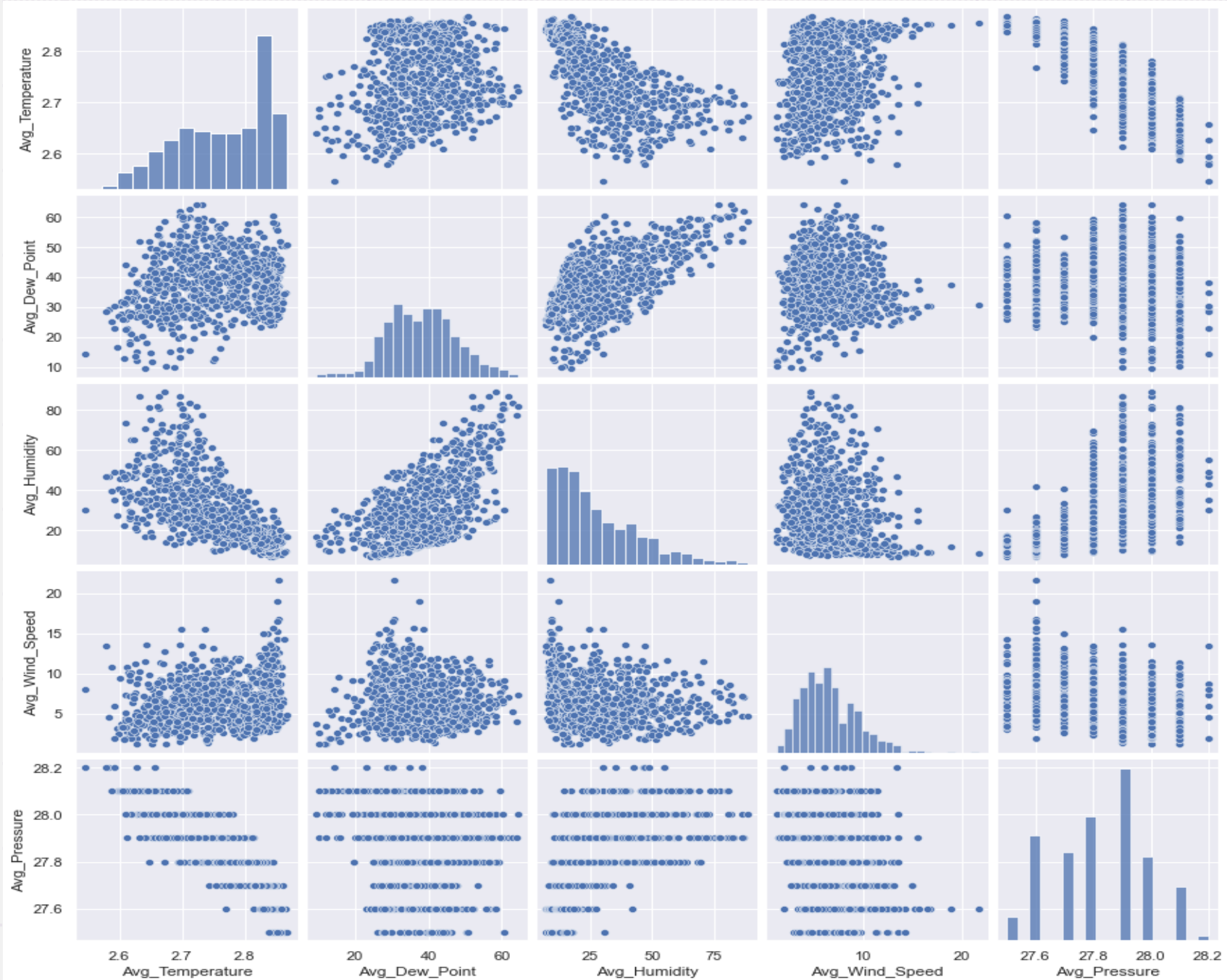
EDA:



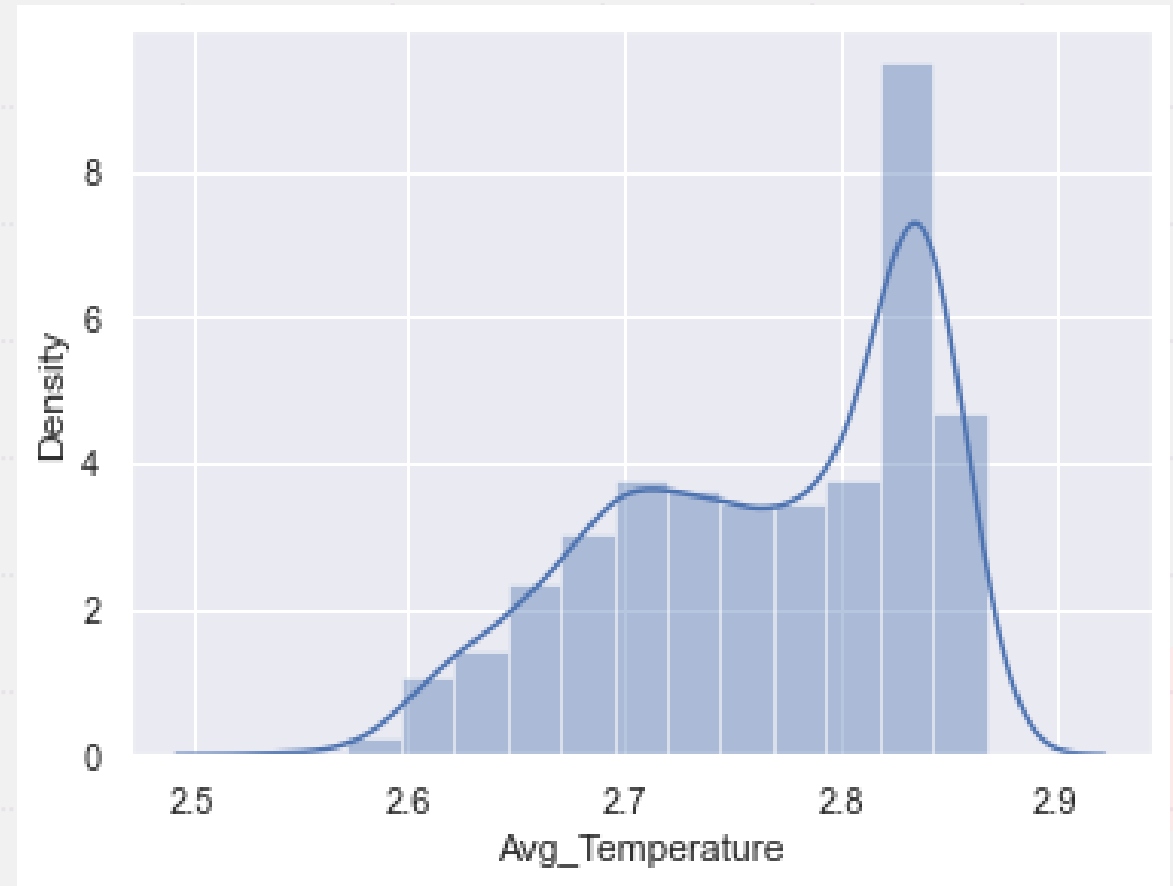
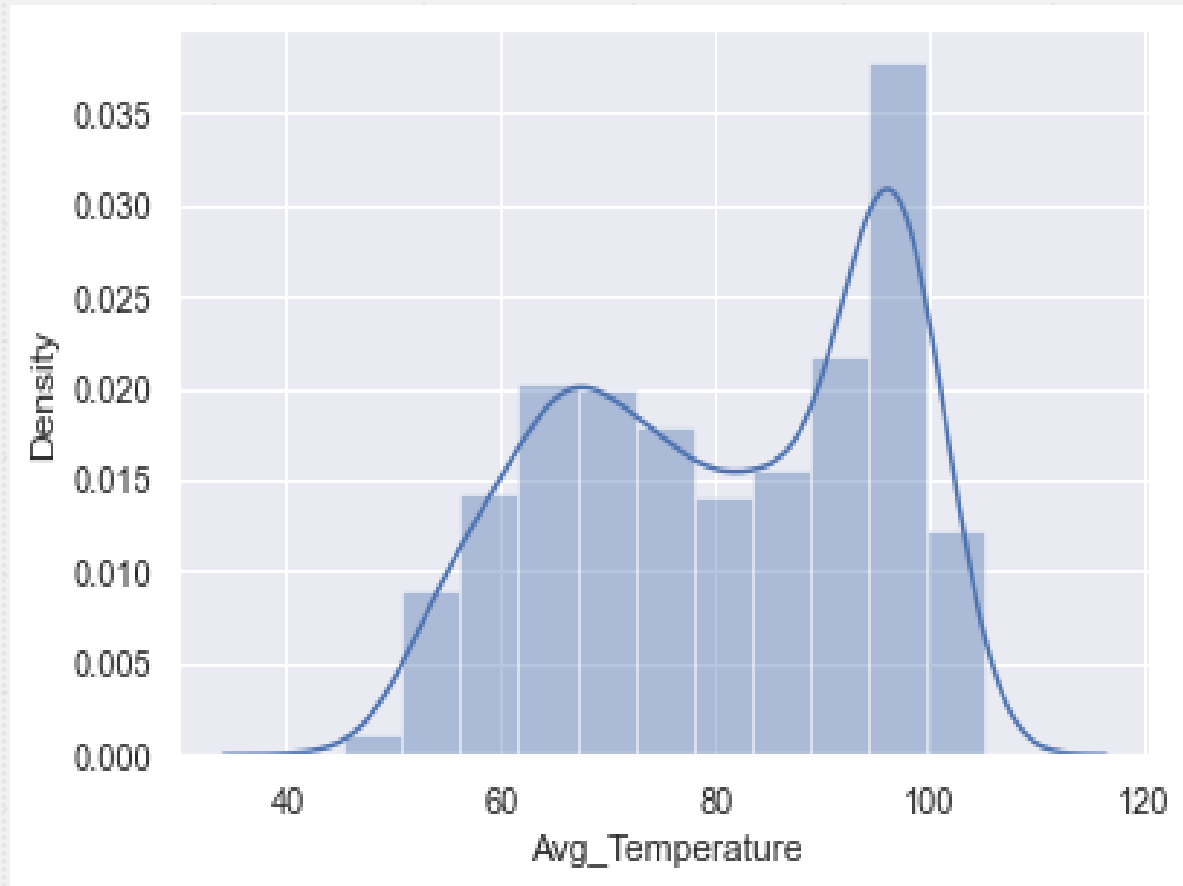
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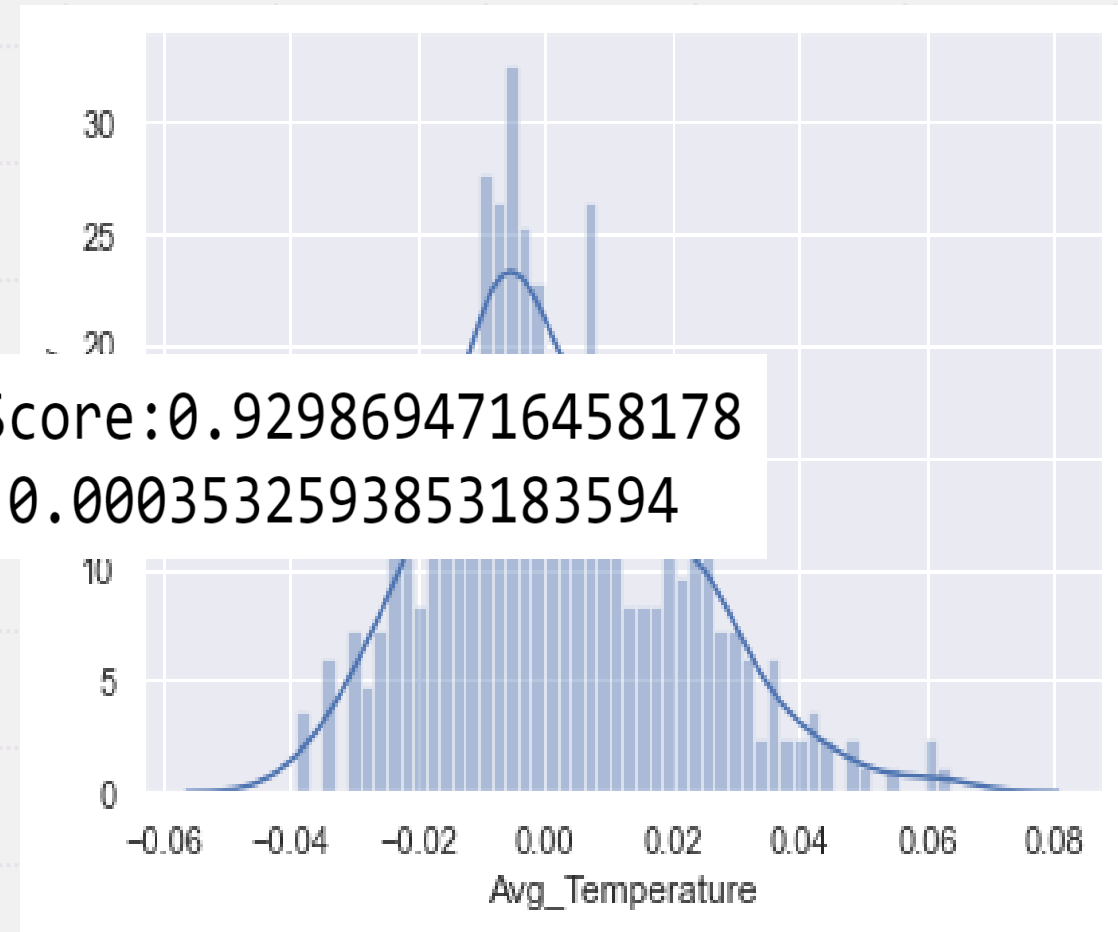
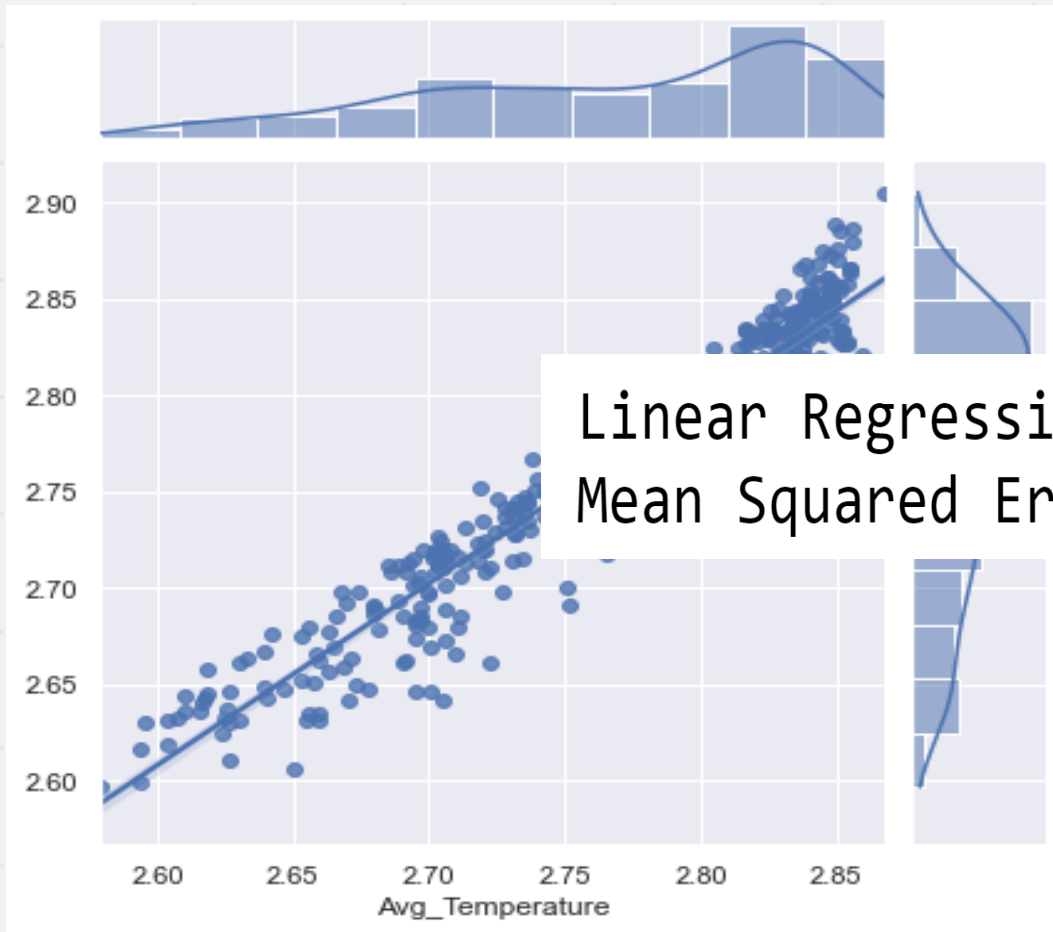
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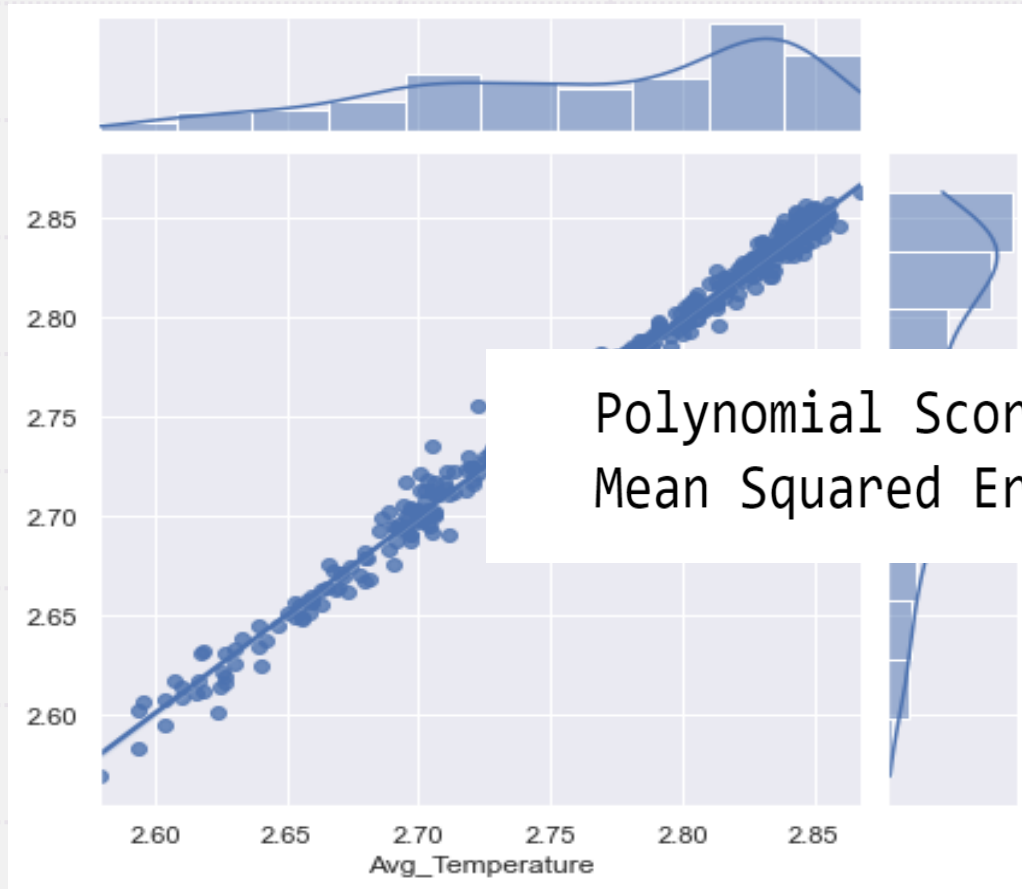
EDA:



Modeling:

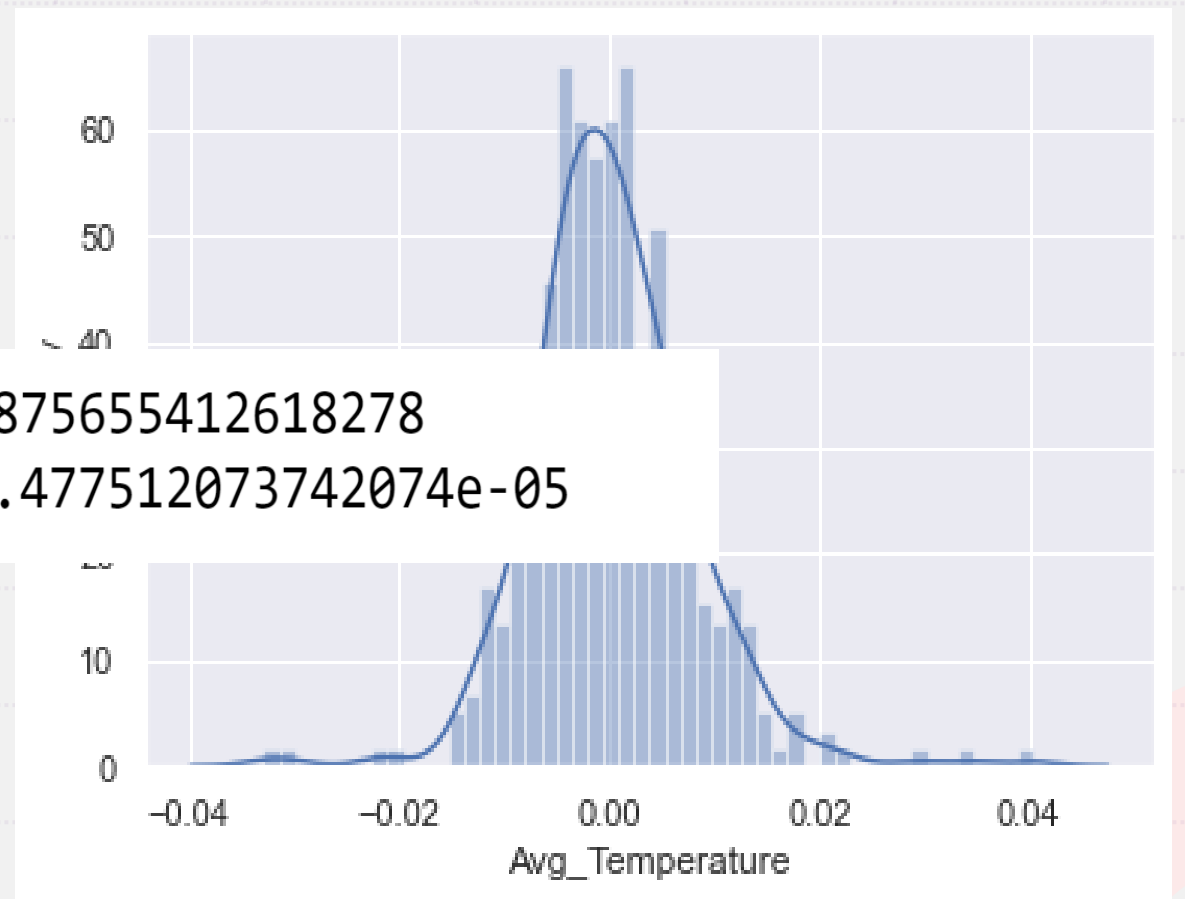


Modeling:



Polynomial Score:0.9875655412618278

Mean Squared Error:5.477512073742074e-05





**Thank you for
your listening**