Summary Precip Type Temperature (C) Apparent Temperature (C) Humidity Wind Speed (km/h)	0 0 517 0 0 0							
Wind Bearing (degrees) Visibility (km) Loud Cover Pressure (millibars) Daily Summary dtype: int64 # Drop rows with missing vi		ате						
<pre>weather_data=weather_data. # Check for missing values weather_data.isnull().sum(Formatted Date Summary Precip Type</pre>	in the DataFrame aft	er dropping rows wi	th missing values and	I calculate the sum	of missing values for	each column		
Temperature (C) Apparent Temperature (C) Humidity Wind Speed (km/h) Wind Bearing (degrees) Visibility (km) Loud Cover Pressure (millibars) Daily Summary	0 0 0 0 0 0 0							
<pre>dtype: int64 weather_data.head() Formatted Date 2006.04.01.00:00:00.000</pre>		emperature Apparent Te (C) 9.472222	Temperature (C) Humidity 7.388889 0.89	Wind Speed (km/h) 14.1197	ind Bearing Visibility (km) 251.0 15.8263		Pressure (millibars) Dai	ily Sur
2006-04-01 01:00:00.000 Par +0200 Par 2 2006-04-01 02:00:00.000 +0200	Mostly rain Cloudy rain rtly Cloudy rain	9.355556 9.377778 8.288889	7.227778 0.86 9.377778 0.89 5.944444 0.83	14.2646 3.9284 14.1036	259.0 15.8263 204.0 14.9569 269.0 15.8263	0.0 0.0 0.0	Partly cloudy the Partly cloud	ırough
4 2006-04-01 04:00:00.000 +0200 The purpose of the cod matrix.	Mostly rain Cloudy rain le is to visualize the	8.75556 e relationships be	6.977778 0.83 etween variables ir	11.0446 n a dataset using	two types of plots:	o.o : a correlation	Partly cloudy the natrix and a sca	
The correlation matrix produces in the matrix ran negative correlation. The scatterplot matrix, allows us to visualize the unusual patterns in the	nge from -1 to 1, wi on the other hand, ne nature of the rel	th a value of 1 in is a grid of scatte	erplots that shows	positive correlationship	on, 0 indicating no between each pair	correlation, a of variables i	and -1 indicating a in the dataset. Th	per is pl
By combining these two information to inform ou information to inform ou import matplotlib and section import matplotlib.pyplot actimport seaborn as sns	o types of plots, we ur data analysis or aborn libraries for da	modeling.	per understanding	of the relationshi	ips between variab	les in a datas	set, and use this	
<pre># Compute the correlation print(weather_data.corr()) corr_matrix = weather_data sns.heatmap(corr_matrix, a) plt.show()</pre>	.corr() nnot= True)							
Temperature (C) Apparent Temperature (C) Humidity Wind Speed (km/h)	Temperature (C) Appai 1.000000 0.992637 -0.632148 0.008304 0.029937 0.393719 NaN -0.005253	0.992637 1.000000 -0.602390 -0.057387 0.028953 0.382589 NaM	7 -0.632148 0 -0.602390 0 1.000000 7 -0.224569 1 0.000814 9 -0.370511					
Temperature (C) Apparent Temperature (C) Humidity Wind Speed (km/h) Wind Bearing (degrees) Visibility (km)	Wind Speed (km/h) Wind Speed (km/h) Wind 0.008304 -0.057387 -0.224569 1.000000 0.104366 0.100801) \ 7 1 4 6					
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Pressure (millibars)0	Temperature (C) - e-050.0054 -	g (degrees) ibility (km)	Pressure (millibars) -	5				
<pre># Create a scatterplot mat sns.pairplot(weather_data, nlt.show()</pre>	rix to visualize the	Wind B		he dataset				
plt.show() 40 - 30 - (0) 20 - 10 - 0 -	- Company of the Comp							
whereafter (C) and 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10								,
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