

Data Visualisation Using Python- Weather Dataset Project

```
[18]: import numpy as np
import seaborn as sns
import pandas as pd
```

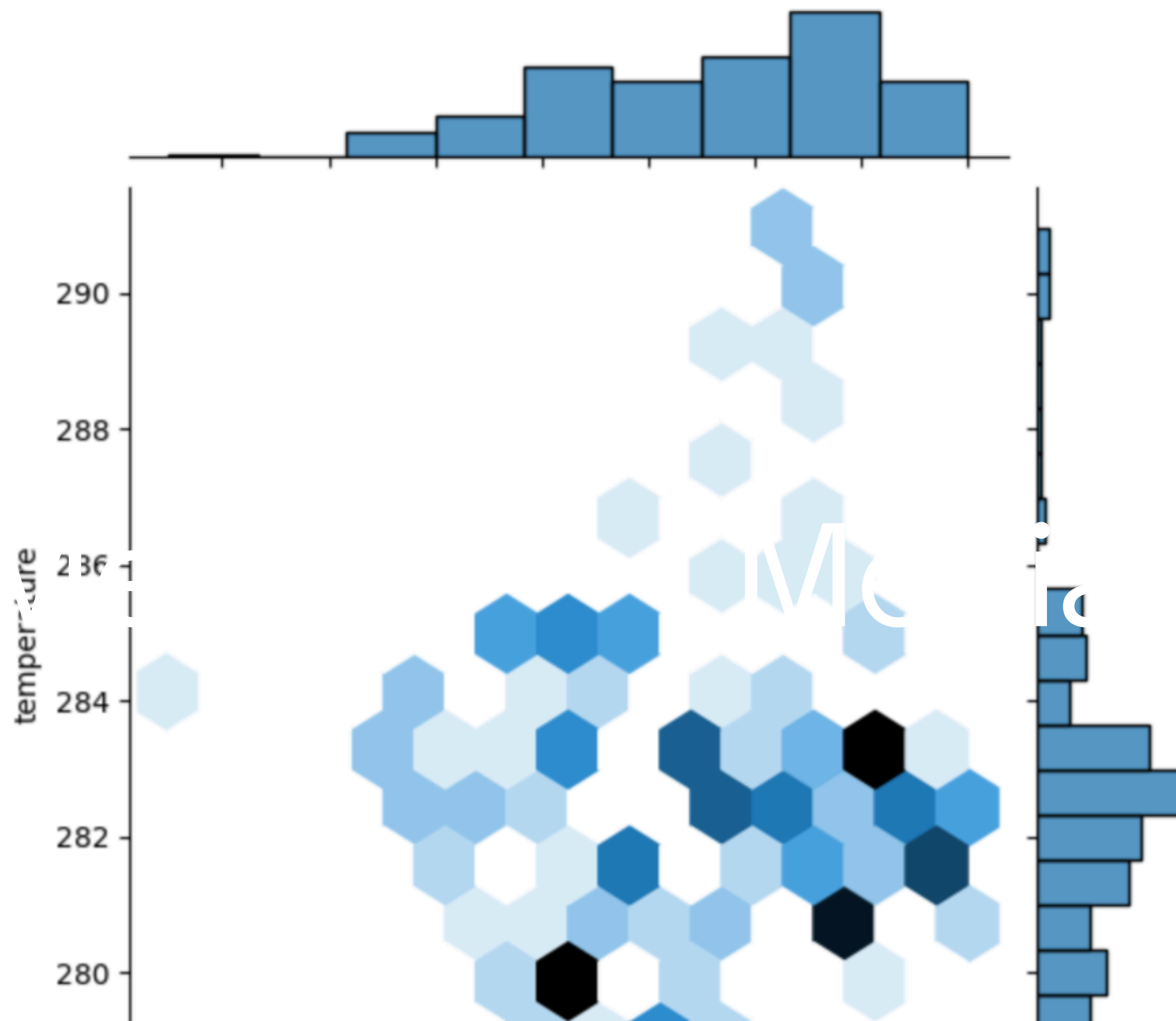
```
[4]: weather=pd.read_csv('Test.csv')
weather.head()
```

```
[4]:
```

	date_time	is_holiday	air_pollution_index	humidity	wind_speed	wind_direction	visibility_in_miles	dew_point	temperature	rain_p_h	snow_p_h	clouds_all	weather
0	18-05-2017 00:00	NaN	73.0	63.0	1.0	27.0	4.0	4.0	285.15	0.0	0.0	90.0	
1	18-05-2017 00:00	NaN	251.0	63.0	1.0	27.0	4.0	4.0	285.15	0.0	0.0	90.0	
2	18-05-2017 00:00	NaN	75.0	56.0	1.0	0.0	1.0	1.0	285.15	0.0	0.0	90.0	
3	18-05-2017 01:00	NaN	98.0	56.0	1.0	351.0	2.0	2.0	284.79	0.0	0.0	90.0	
4	18-05-2017 01:00	NaN	283.0	56.0	1.0	351.0	1.0	1.0	284.79	0.0	0.0	90.0	

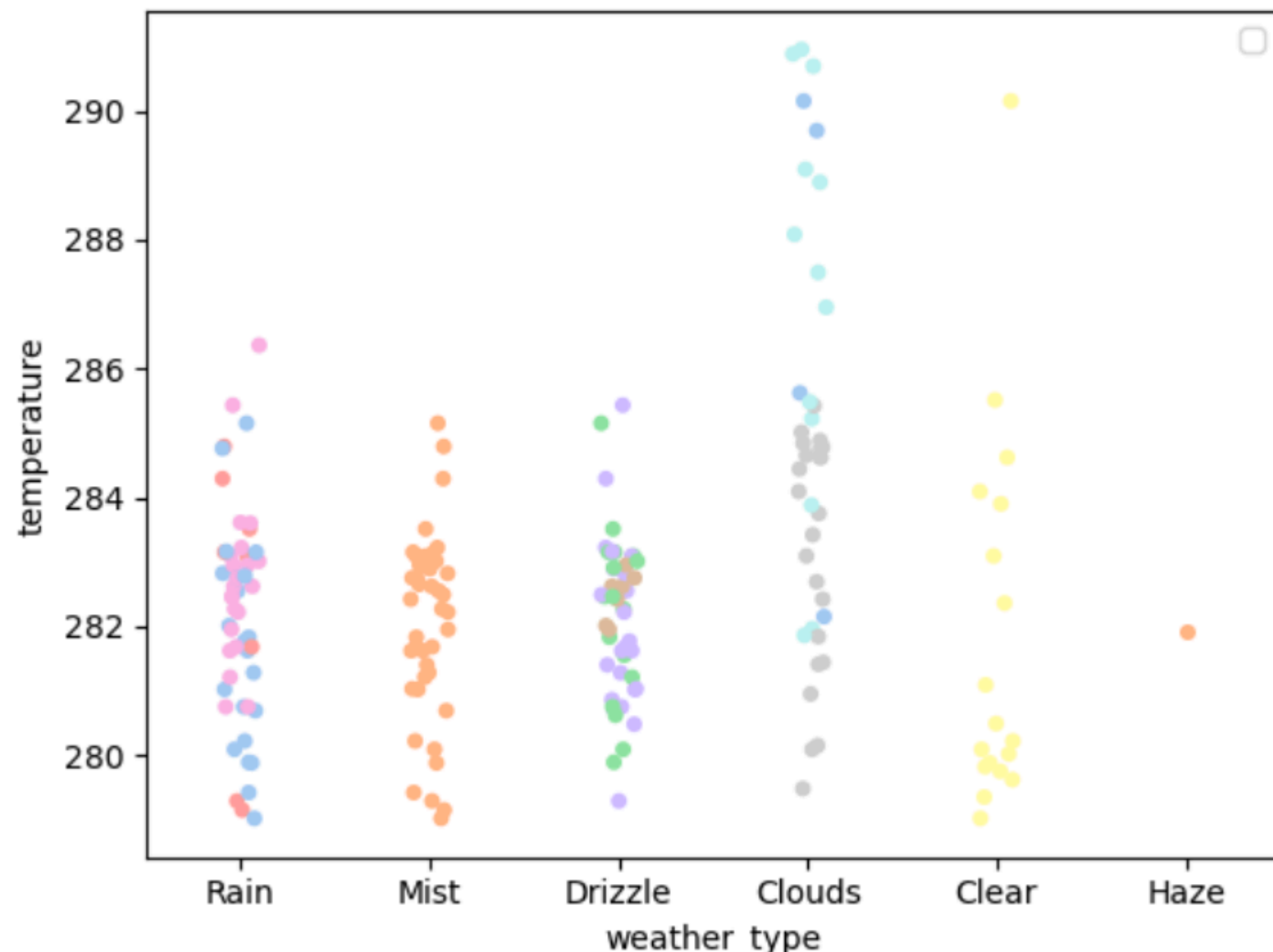
```
[18]: sns.jointplot(x='humidity',y='temperature',kind='hex',data=weather)
```

```
[18]: <seaborn.axisgrid.JointGrid at 0x1bbce052240>
```

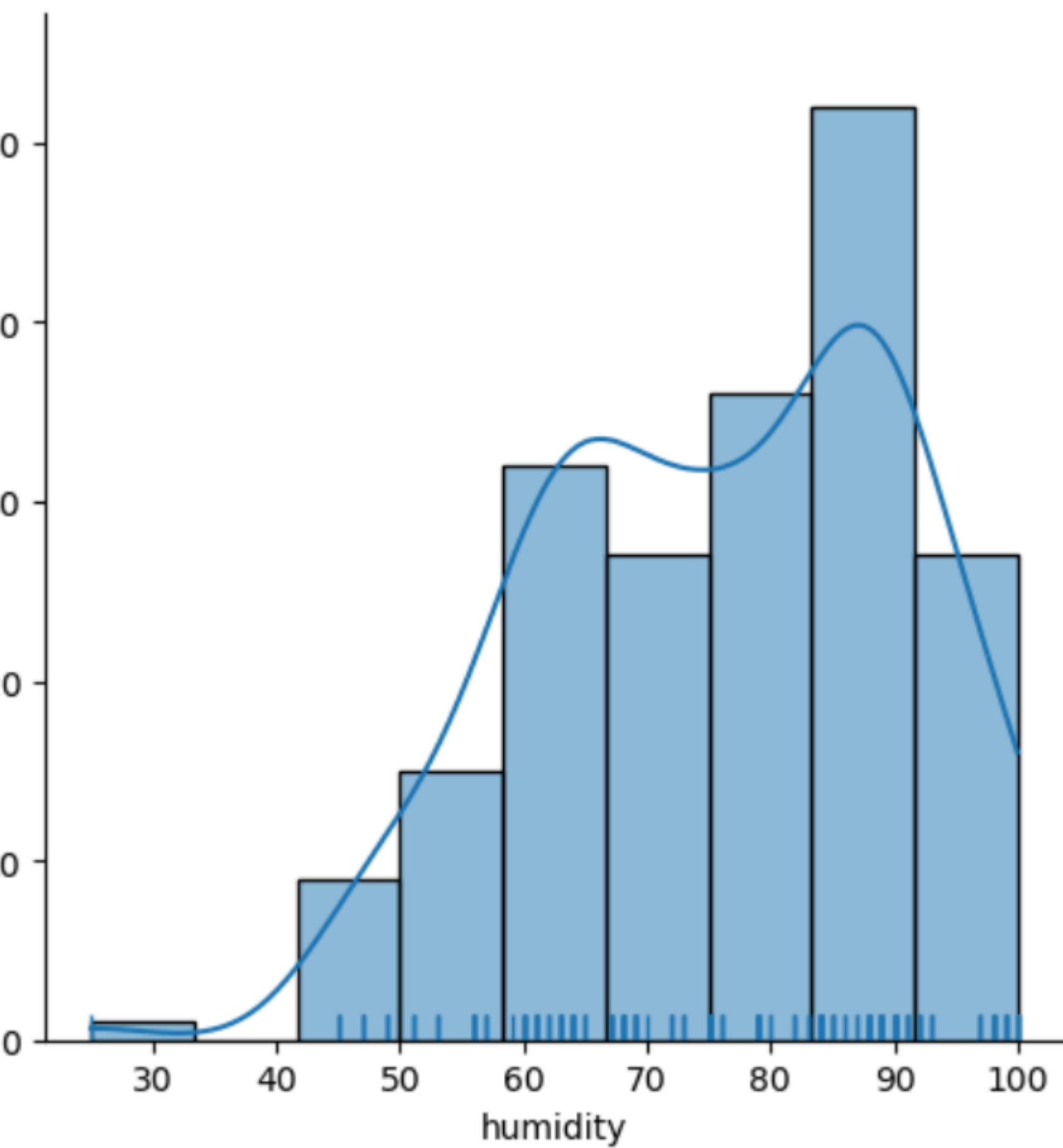


```
sns.stripplot(x='weather_type',y='temperature',hue='weather_description',palette="pastel",data=weather)  
plt.legend([],[])
```

[9]: <matplotlib.legend.Legend at 0x1bbcf5c6000>

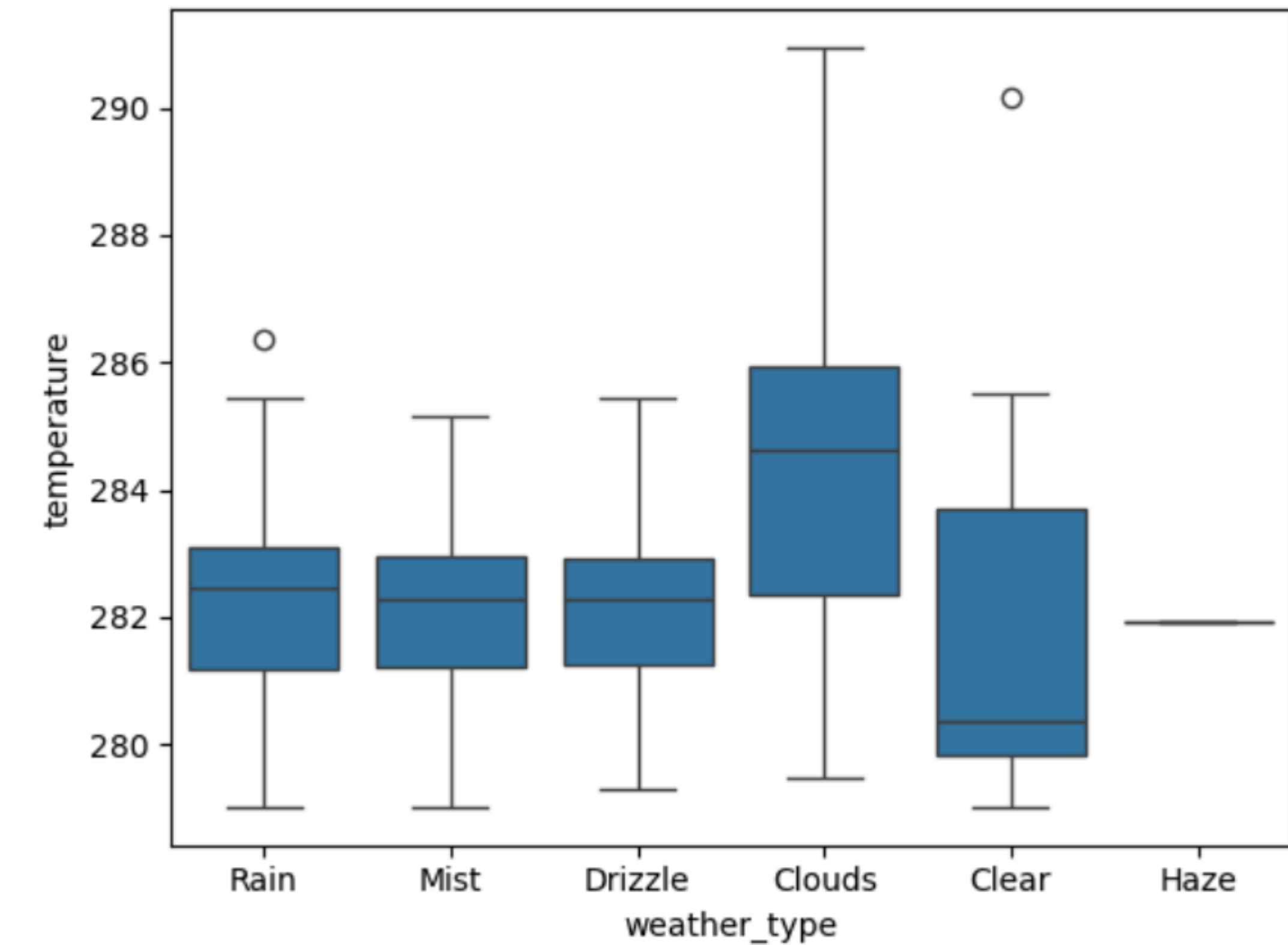


```
born.axisgrid.FacetGrid at 0x1bbc74021b0>
```



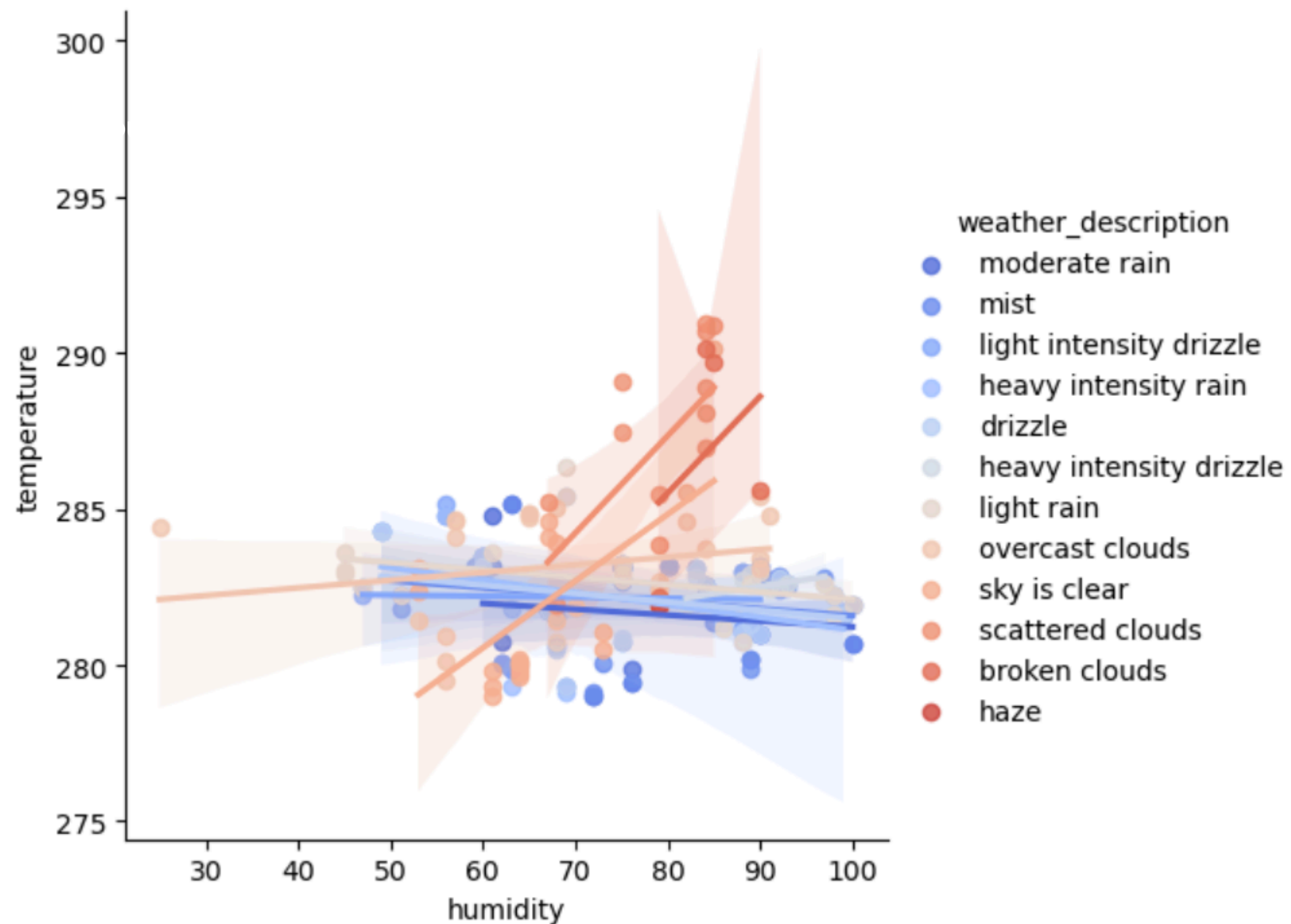
```
sns.boxplot(x='weather_type',y='temperature',data=weather)
```

```
<Axes: xlabel='weather_type', ylabel='temperature'>
```



```
[17]: sns.lmplot(x='humidity',y='temperature',hue='weather_description',palette="coolwarm",data=weather)
```

```
[17]: <seaborn.axisgrid.FacetGrid at 0x1bbcdff2030>
```



```
sns.barplot(x='weather_type',y='temperature',hue='humidity',data=weather)  
plt.legend([],[])
```

<matplotlib.legend.Legend at 0x1bbcff55310>

