

You must include a written description of three observable trends based on the data.

Enzo Adriano

WeatherPY Observations

An observation of the scatterplot constructed for the latitude positions of the cities versus the temperature revealed that there is an observable peak in the temperature as it approaches the equator. Other factors to consider are the recent news headlines referencing extraordinarily high temperatures across Europe and the United States.

An early observation of the latitude versus the humidity found an outlier measuring in excess of 300% humidity. Consequently, a new scatterplot was drafted with the outlier appearing outside of the visible range. An analysis based on the limited range scatterplot shows a denser concentration of readings from 60% to 100% in humidity ranging across the spectrum of cities, showing no discernable concentration based on the latitude.

An analysis was also conducted on the city latitude versus the cloudiness measured. The cloudiness scale shows notable concentrations along the 0%, 20%, 40%, 75%, 90% and 100% bands. While no causation could be derived the modest correlation was apparent.

Lastly a trend analysis was made based on the city latitude versus the wind speed, which showed a higher concentration of cities with measured wind speeds between 0 to 10 miles per hour (mph), noting a drop off from 10 to 15 mph, and trailing off even further towards reading in excess of 25 mph.