Below are the visible trends for each chart provided.

City Latitude vs. Temperature

Based on the graph the closer to the 0 Latitude there higher the temperature becomes. Whole the further you move away from it the temperature drops.

City Lat to Humidity

There is no direct correlation to Humidity and Latitude

City Lat to Cloudiness

There is no direct correlation to Cloudiness and Latitude

City Lat to Wind Speed

There is no direct correlation to Wind Speed and Latitude