Observable trends-

* From the inverted curve of the temperature vs latitude plot its clear that the temperature is on the higher side in cities near the equator.
* High temperature is concentrated between the two tropics and based on the plot more so between the equator and tropic of Capricorn.
* Although we selected values across the face of the globe , since the selection process was random there was no way to be sure if cities across all the ranges would be selected or not. The same random logic could have been used but by shortening the latitude range to get cities within every (±)30° from the equator.