

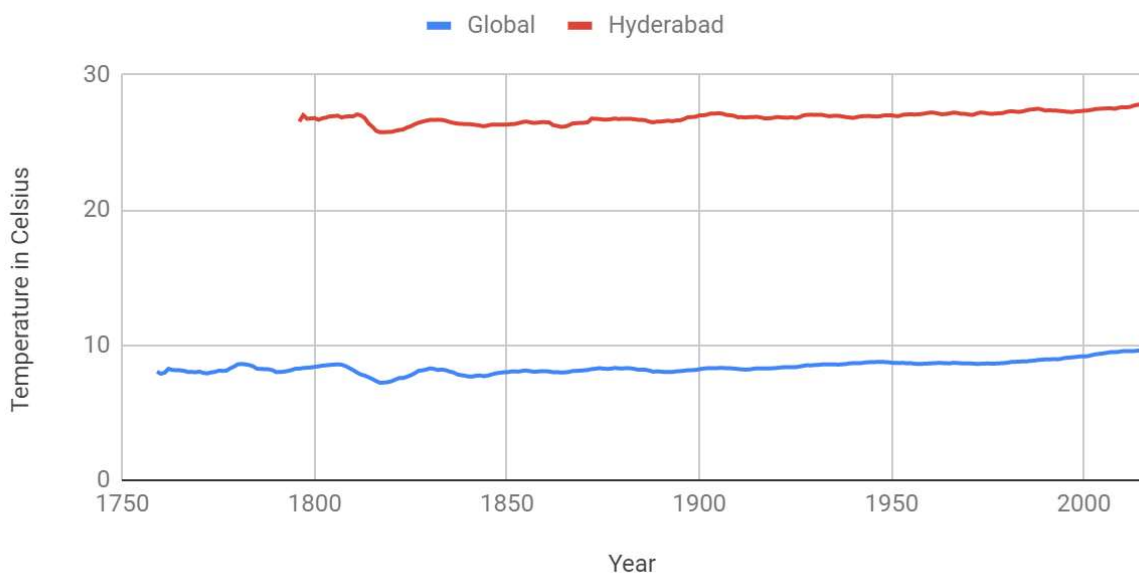
**Project** : Exploring Weather trends  
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### Outline:

- Extracted the global data of average temperatures using this query  
- ***select \* from global\_data;***
- Extracted the city data of average temperatures of Hyderabad city. Hyderabad is a city both in India and Pakistan. Extracted data from India's using this query  
- ***select \* from city\_data where city = 'Hyderabad' and country = 'India';***
- Combined both data in Google sheets.
- Calculated moving average for global avg\_temp and city avg\_temp for an interval of 10 years in Google Sheets.
- Plotted a line graph of moving averages of temperatures of global and city data.

## Global and City Temperature Trends

10 years Moving Averages



### Observations:

1. My city has hotter temperatures on average than global temperatures by almost 20° C. The difference is almost consistent.
2. The changes in city temperatures and global averages over time have been similar.
3. The overall trend is increasing temperatures in both cases over time. Hence the world is getting hotter over the past few hundred years.
4. There has been a small drop in both global and city temperature trends in between the 1800s and 1850s.