

## Explore Weather Trends

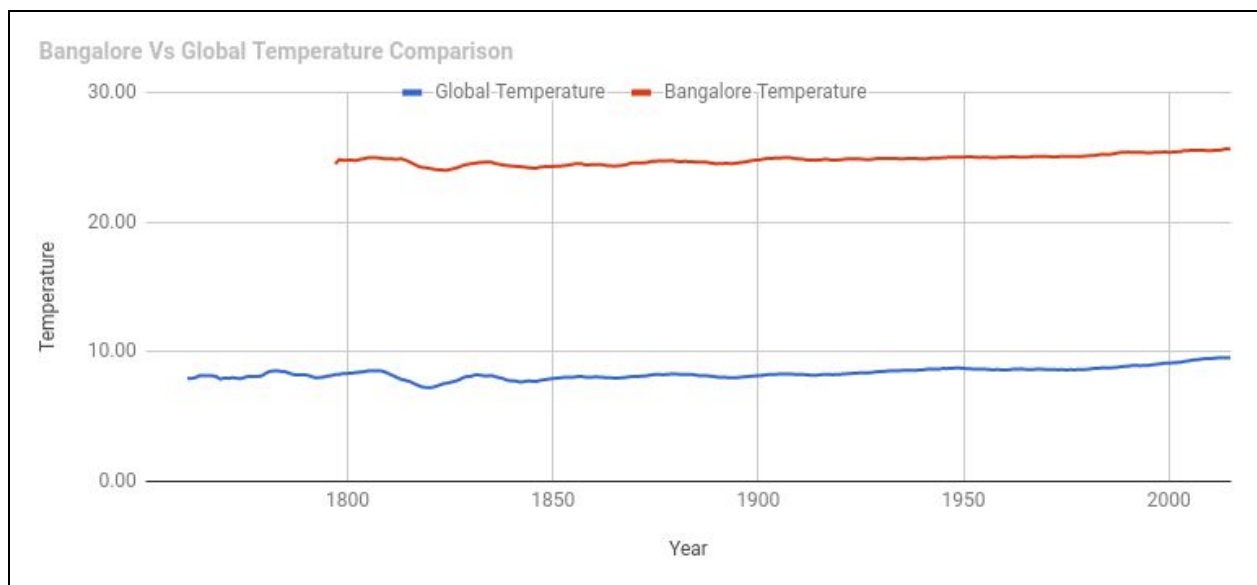
### Queries Used

1. `SELECT * FROM global_data`
2. `SELECT * FROM city_data WHERE city = 'Bangalore'`

### Moving Average

Due to frequent variation in data, moving average of 12 years has been taken.

### Line Chart



### Observations:

1. Bangalore has always been hotter than average global temperature.
2. Difference between temperature in Bangalore and global temperature  $\sim 16^{\circ}$  throughout.
3. There has been 13.4% increase in global temperature since 1796, while there has been an increase of 8.66% in Bangalore temperature since 1796. (This is calculated by finding temperature difference between years 1796 and 2013, between which numbers for Bangalore as well as global temperature is available).
4. Being a comparatively hotter city, Bangalore has played its role in increasing global temperature. However, in years such as 1796, 1799, 1800, 1802, 1808, 1809, 1810, 1823, 1826, 1831, 1832, 1837 temperature for Bangalore has increased, while the global temperature has decreased. There it can be inferred that, there were multiple other factors which led to increase of global temperature.
5. The world is getting hotter at rate of  $0.004^{\circ}$  per year.
6. Analysis sheet can be found [here](#).