DA 332
Lab Assignment 6

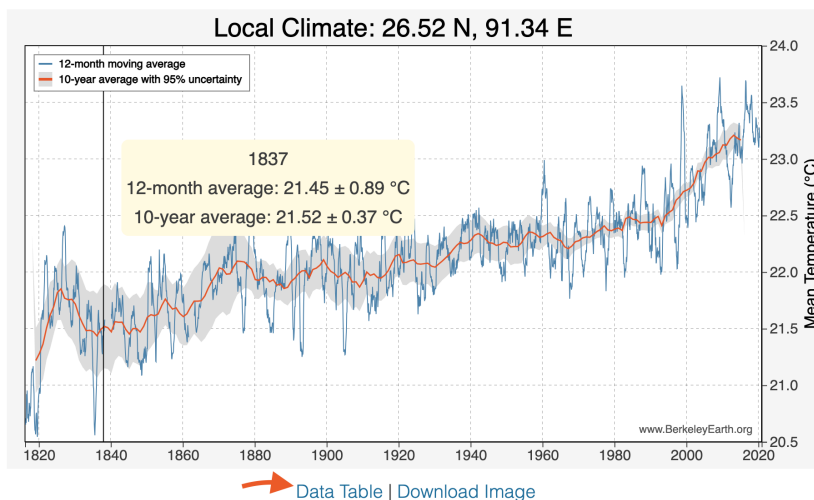**Submit the Assignment by 12 PM**

Questions:

Today, we will work with time series data; in particular, we will observe how global temperature has changed over the years. Berkeley Earth's Data (https://berkeleyearth.org/data/) can be a good dataset for exploring. It provides high-resolution land and ocean time series data and gridded temperature data. Some references for time-dependent plots are available at: https://rkabacoff.github.io/datavis/Time.html.

a. To explore the data, generate multiple time series plots for *Guwahati* inspired by the plots available at https://berkeleyearth.org/temperature-location/26.52N-91.34E). *Don't forget to check out the Documentation available inside "Data Table" (see the red arrow in the image below), which will provide information regarding temperature anomaly measurement and other details.*

b. Prepare plots comparing the temperature anomaly of Global vs. India vs. Guwahati. Furthermore, explain how your plots are suitable for such a comparison.

Deliverables:

Submit your plots (properly labeled) and comments—all compiled into a single PDF file by filling out the form at this link: https://forms.office.com/r/QxcE4Wnbv1.