

# Training Day 14 Daily Dairy

June 27, 2024

- considered years 2022,2023,2024 as analysis years and calculated lst
- calculated monthly mean lst for these years

## Tasks Accomplished:

### 1. Focused Analysis Years:

- Considered the years 2022, 2023, and 2024 as the primary analysis years for the study.
- Selected these years to focus on recent data and understand the latest temperature trends.

### 2. LST Calculation:

- Calculated Land Surface Temperature (LST) for the years 2022, 2023, and 2024 using MODIS data.
- Applied the same methodology as previous calculations to ensure consistency and accuracy.

### 3. Monthly Mean LST:

- Calculated the monthly mean LST for each of these years.
- Generated time series charts to visualize the monthly LST trends and compare them across the three years.

## Key Learnings:

- Recent LST data (2022-2024) provides insights into current temperature patterns and trends.
- Calculating monthly mean LST helps in identifying seasonal variations and potential anomalies in the recent years.
- Comparing recent LST data with long-term trends can reveal significant climatic changes or deviations.

## Challenges Faced:

- Ensuring that the recent data is processed accurately and consistently with previous calculations.

- Analysing and interpreting the latest trends within the broader context of long-term data.