

Training Day 11 Daily Dairy

June 24, 2024

- ✚ Executed code to make timeseries chart between NDVI and LST using 8 days MODIS data.
- ✚ Learnt about relationship between NDVI and LST by considering data of Ludhiana District.

Tasks Accomplished:

1. Code Execution:

- ✚ Executed code to create a time series chart comparing NDVI and LST using 8-day MODIS data.
- ✚ Focused on data from the Ludhiana district to visualize the trends and interactions over time.

2. Study on Relationship:

- ✚ Learned about the relationship between NDVI and LST in the context of Ludhiana district.
- ✚ Analyzed how changes in vegetation health (NDVI) impact land surface temperature (LST) and vice versa.

Key Learnings:

- ✚ The 8-day MODIS data provides a balanced view, capturing important trends without overwhelming data volume.
- ✚ Understanding the relationship between NDVI and LST helps in assessing the impacts of vegetation changes on local climate conditions.

Challenges Faced:

- ✚ Ensuring the accuracy of the 8-day aggregated data and interpreting the results correctly.
- ✚ Understanding the complex interactions between NDVI and LST influenced by multiple environmental factors.