Training Day 9 Daily Dairy

June 20, 2024

- ♣ Calculated combine timeseries chart for NDVI and LST
- ♣ Studied about effect of reduced NDVI and increased LST

Tasks Accomplished:

- 1. Data Processing and Analysis:
 - ← Calculated the time series chart for the Normalized Difference Vegetation Index (NDVI) using MODIS data.
 - ♣ Generated a time series chart for Land Surface Temperature (LST) to visualize trends over time.

2. Study on Effects:

- ♣ Investigated the effects of reduced NDVI and increased LST on the environment and ecosystem.
- ♣ Examined how changes in vegetation cover (indicated by NDVI) impact land surface temperature and vice versa.

Key Learnings:

- → Understanding the relationship between NDVI and LST is crucial for assessing environmental changes and their impacts on the ecosystem.
- ♣ Reduced NDVI typically indicates a decrease in vegetation cover, which can lead to higher LST due to less shading and increased heat absorption by the ground.

Challenges Faced:

- ♣ Analysing the complex interactions between NDVI and LST, as multiple factors influence these variables.
- ♣ Ensuring the accuracy of time series data and interpretations derived from the visualizations.