

Training Day 12 Daily Dairy

June 25, 2024

- ✚ learnt about colab to calculate regression between ndvi and lst
- ✚ made a scatter plot using data of ludhiana tehsil in colab
- ✚ study 1 was completed

Tasks Accomplished:

1. Learning and Implementation:

- ✚ Learned how to use Google Colab for calculating regression between NDVI and LST.
- ✚ Implemented regression analysis in Colab to understand the relationship between NDVI and LST.

2. Data Visualization:

- ✚ Created a scatter plot using data from Ludhiana tehsil to visualize the relationship between NDVI and LST.
- ✚ Analyzed the scatter plot to identify trends and correlations between the variables.

3. Completion of Study 1:

- ✚ Completed the first study focusing on the relationship between NDVI and LST in Ludhiana district.
- ✚ Documented findings and prepared results for further analysis.

Key Learnings:

- ✚ Google Colab is a powerful tool for performing regression analysis and data visualization.
- ✚ Scatter plots are effective in visualizing and analyzing the relationship between NDVI and LST.
- ✚ The relationship between NDVI and LST can be quantified using regression techniques, providing insights into their interactions.

Challenges Faced:

- ✚ Ensuring accurate data handling and processing in Colab.
- ✚ Interpreting regression results and scatter plot trends effectively.