

CM 615: Climate Change and Adaptation

Assignment: 3

Date: 03.04.2025

1. Compute state-level vulnerability assessment considering at least five states of India.
2. Compare the level of vulnerability based on exposure, sensitivity and adaptive capacity.
3. State which factors need more focus to reduce the level of vulnerability

● Data

1. Exposure:

Precipitation: Frequency of >95 percentile and <5 percentile

Temperature: Frequency of >95 percentile and <5 percentile

1. Adaptive capacity: Data is provided (If you find that any other variable is needed, you can generate meaningful random data for that variable)
2. Sensitivity: Data is provided (If you find that any other variable is needed, you can generate meaningful random data for that variable)

Click [here](#) to access the data.

● Structure of the report

1. Introduction
2. Data and methods
 - 2.1. Data
 - 2.2. Methods
 - 2.3. Study area
3. Results
4. Interpretation
5. Conclusion

Note: Submit the report in pdf format, along with codes in '.py' or '.ipynb' format. By April 10, 2025