

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