



# Remote Sensing and GIS in Climatological Modelling

Sailesh Samanta

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This book presents an introductory course of study in Remote Sensing and Geographic information systems (GIS) and its application for climatological modelling. Remote Sensing, GIS and spatial modelling are becoming powerful tools in agricultural research and natural resource management. Spatial information about climate variables is very important for a sound agricultural planning. Many disciplines use these climate variables (temperature, precipitation, atmospheric pressure, cloudiness and humidity) as a basis to understand the processes they study. Evidently the information is limited to the available meteorological stations and therefore to discrete points of the space. To understand the weather and climatic condition over a continuous space (where weather or climate station is not present) one needs to resort to the modern techniques like spatial interpolation by GIS. So far the work on climatological interpolation dovetailed to themes like 'commercial agriculture' has been scanty. This book is focused on statistical model to forecast the temperature and the precipitation using remote sensing and geographic information system (GIS) techniques. It also examines statistical approaches for interpolating climatic data over large regions, providing different interpolation techniques for climate variables for use in agricultural research.



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Spent a free time to be fun activity to try and do! A lot of people spent their down time with their family, or their own friends. Usually they undertaking activity like watching television, likely to beach, or picnic in the park. They actually doing same task every week. Do you feel it? Do you need to something different to fill your free time/ holiday? Can be reading a book could be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of publication that you should read. If you want to try look for book, may be the publication untitled Remote Sensing and GIS in Climatological Modelling can be fine book to read. May be it could be best activity to you.

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