

Effects of climate change on agriculture

Sridhatta Jayaram Aithal

February 2021

1 Abstract

The change in the climate affects the agriculture which results in different growing patterns of crops which are unevenly distributed throughout the world. The change in climate can result in new types of plant disease and different types of pest affecting the growth of crops and also the change in the type of the crop grown over the region. This also results in abnormal rainfall distribution and early harvesting problems. In this report I am going to use the weather dataset and agriculture crop production dataset of India to analyze the effects of climate change on agriculture. I am going to use the methods of clustering and regression to analyze the agriculture crop production with respect to the climate change. I shall conclude how the change in climate which has happened over the past few years has affected the agriculture.