BVRIT HYDERABAD
College of Engineering for Women
Department of Information Technology
Maior Proiect - Academic Year 2019-20

TEAM 10

Prediction of Genesis to Decay Route of Wind Storm

Abstract

The world has witnessed an escalation of devastating wind storms over the last three decades. Every year, the time between June 1 and November 30 signifies the North Atlantic Storm season. During this period, the warm waters in the Atlantic give birth to tropical cyclones, and few of these tropical cyclones end up making landfall causing major casualties and loss of property. Thousands of people suffer every year due to the wind storms which occur mainly due to the Atlantic Ocean. Prediction of genesis to decay route of wind storm is a model which helps in predicting the path or route of a wind storm given the genesis which is the starting point of the wind storm.

Modules

Data Analysis Module.
Clustering Module.
Path Prediction Module.
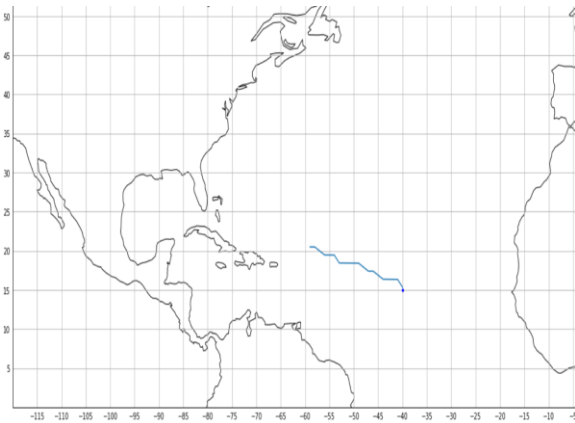
Flow Chart
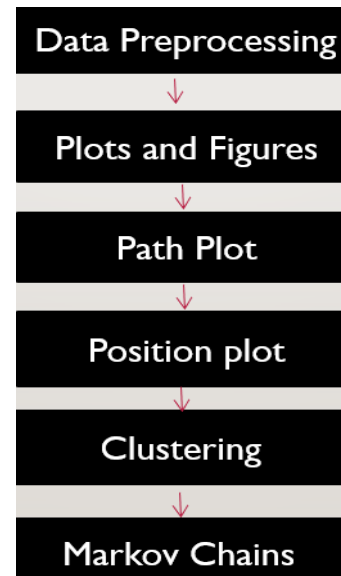
Tools and Technologies

- **Jupyter Notebook**
- **Python Libraries**

Conclusion

The main purpose of the project is to predict the path or route of a wind storm given the genesis which is the starting point of the wind storm. This helps to determine the threat that it poses to a particular geographical location. The prediction of their trajectory paths is critical to reduce economic loss and save human lives.

Guide

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