

Weather Prediction

Weather prediction plays a major role in life, be it for planning elaborate vacations or even for going about our daily chores. The accuracy of prediction could help in determining future climatic expectations in a better fashion. In this project, we aim to predict the weather for Seattle using data collected over 3 years.

There are 2 algorithms we have explored to perform successful prediction i.e., Logistic Regression and Decision Tree. With Logistic Regression, the accuracy obtained was about 78.2% with SD 0.0279 (Mean accuracy: 0.7826127806982021). With Decision Tree, the accuracy obtained was about 84.7% with SD 0.02457 (Mean accuracy: 0.847498565877806).

In conclusion, we have observed that Decision Tree algorithm provides better accuracy for weather prediction as compared to Logistic Regression.