

School of Computer Science and Engineering

CSE3046-Programming for Data Science
Process: Obtain Data from Various Resources

Assignment-5

Learning Models

NAME: D VASANTH KUMAR

REG NO: 19BDS0083

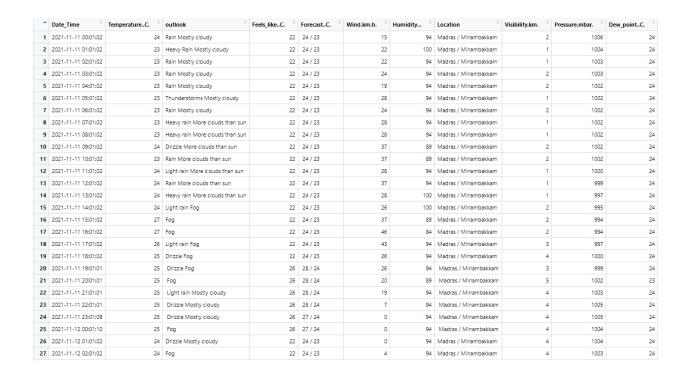
Submitted Date: 17/11/2021

Course Instructor: Dr. Anthoniraj A

Retrieve the data set from the following URL,

THE DATA SET:

https://raw.githubusercontent.com/anthoniraj/dsr datasets basic/main/19BDS0083.csv



ACTIVITY DESCRIPTION:

- > Read the data set from the URL and converting it into data frame
- > summarize the data set for checking number of NA's
- check for structural errors
- ➤ Build a data set for weather information of your state capital city for 14 days.

The activity is to collect the data from timeanddate.com for 14 days using web scrapping and creating a dataset from the observed.

ALGORITHM TO BE USED:

Decision Tree Regression

Decision tree builds regression or classification models in the form of a tree structure. It breaks down a dataset into smaller and smaller subsets while at the same time an associated decision tree is incrementally developed. The final result is a tree with decision nodes and leaf nodes.

- Decision trees are predictive models that use a set of binary rules to calculate a target value.
- Each individual tree is a fairly simple model that has branches, nodes and leaves.

SAMPLE CODE:

#WRITING META DATA

#USER INFROMATION : 19BDS0083 D VASANTH KUMAR

#DATA SOURCE : timeanddate

#OWNED BY: timeanddate.com

#Activity description: The activity is to collect the data from timeanddate.com for 14 days using web scrapping and creating a dataset from the observed.

#Description:timeanddate's forecasts and warning services are based on weather information derived from numerous sources,

#including weather observations and data gathered by the National Weather Service and meteorological organizations. Using this webservice the

data set for weather information of my state capital city for 14 days is collected. The data is collected in regular interval of time.

#The report of the weather is collected each hour for 14 days and stored in as a

#DATACS FOR THE DATA SET : Web Scarpping, time-series

#TAGS FOR THE DATA SET : Web Scarpping, time-series