Minh Maultsby

CSE 302-01

Professor Karem

28 October 2022

Project Outline

The dataset’s title is Louisville 2021-01-01 to 2021-12-31. It was taken from [www.visualcrossing.com](http://www.visualcrossing.com). I took the daily weather data from Louisville in 2021 and imported it as a csv file. The file included in the zip file is “cleaned”, I removed the columns that I didn’t want and moved the leftover columns to fill columns A, B, C, D, E, F. I am currently working on the same dataset in my CSE 120 class in a different class project. I wanted to work on the same dataset to see if C++ could provide any useful ways to manipulate the data. My CSE 120 project aims to use the matplotlib, pandas, and numpy libraries to find trends and potentially compare it to other datasets. My group is still unsure of the exact direction we want to take it in.

My interest in the data is to try to be able to predict certain values about the weather. For example, calculating the UV index based on cloud coverage or guess the feelslike temperature based on the windspeed and average temperature. The variables of the data I am interested are the average temperature, dewpoint, average feelslike temperature, humidity and windspeed.