

# Predicting Rain

By Liam Moran



Motivation: A city council is planning events and would like a tool that would allow them to predict the weather of tomorrow based on the conditions of today.

Objective: Create a web app that allows the user to input attributes of the day.



## Tools Used



# Acquiring the Data

Query options

 Data sections  Weather elements  Weather stations  Degree days



API



Grid



Chart



JSON



CSV

Weather Data



Daily



Hourly

Additional Data



Current



Events



Alerts

View



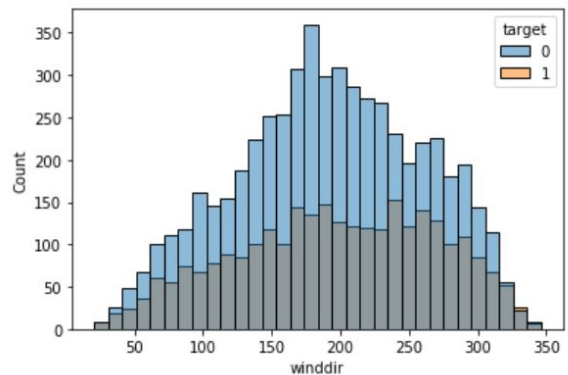
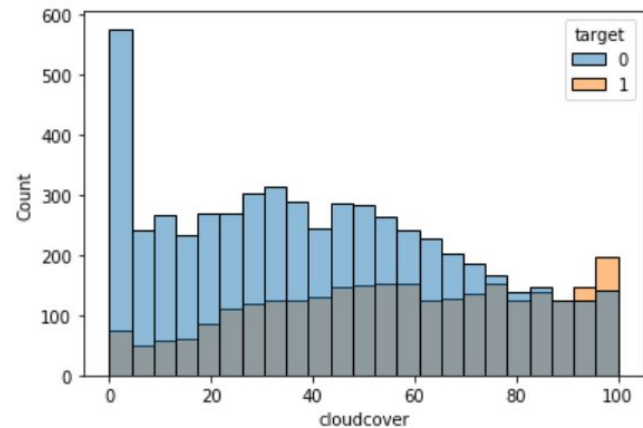
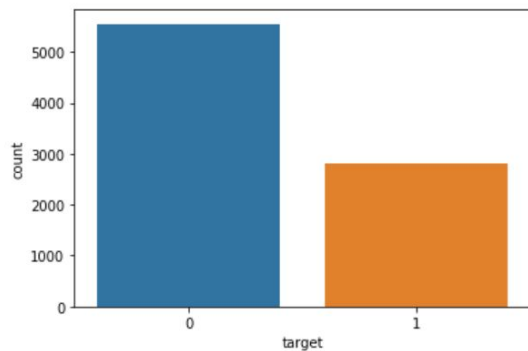
Table



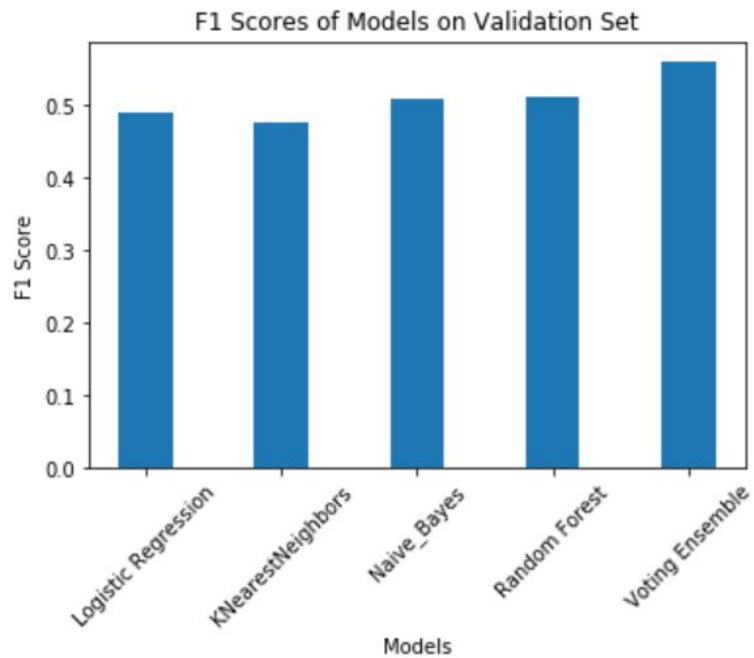
Raw

name	datetime	tempmax	tempmin	temp	feelslikemax	feelslikemin	feelslike	dew	humidity	precip	precipprob	precipcover	preciptype
Philadelphia, PA, United States	2022-02-01	3.9	-6.2	-1.8	1.1	-10.5	-4.9	-8.2	61.8	0	0		
Philadelphia, PA, United States	2022-02-02	7.5	-4.1	1.4	7.5	-6.9	0.5	-1.2	83.4	0	0		rain
Philadelphia, PA, United States	2022-02-03	12.4	3.5	6.8	12.4	2.4	6.6	5.7	92.7	7.27	100		rain
Philadelphia, PA, United States	2022-02-04	13.6	-0.8	7.1	13.6	-6.8	4.7	5	86.1	18.57	100		rain,freezingr

# EDA



# Results



# Streamlit App

## Will It Rain Tomorrow?

In this app, you will be able to determine if it will rain tomorrow based off of the conditions of today.

## Datapoint Inputs

In this section, please enter the characteristics of the weather today

Dewpoint



Humidity



Precipitation