

스마트 농업 토양 습도 예측 대시보드

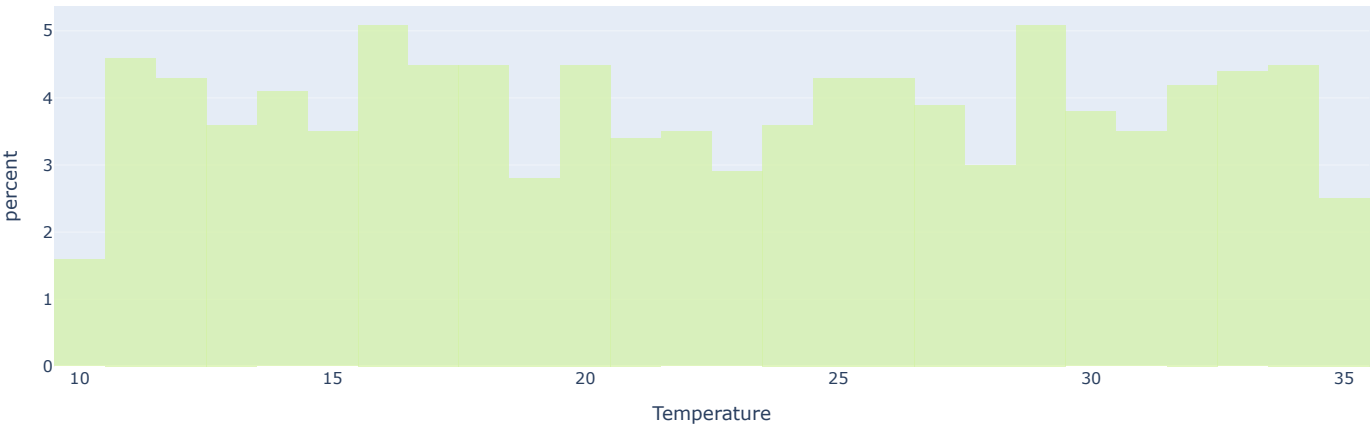
Weather Data

| | Temperature | Humidity | SoilType | Rainfall | WindSpeed | SoilMoisture | SoilMoistureDegr |
|----|--------------------|--------------------|----------|--------------------|--------------------|--------------------|------------------|
| 1 | 21.49076030413015 | 82.44094628767658 | Clay | 132.93029349915898 | 13.356845057719816 | 37.79400145561824 | 1 |
| 2 | 17.07938393870318 | 56.63716800750971 | Sandy | 185.13465971872483 | 3.455032596298433 | 47.03235957698623 | 1 |
| 3 | 33.73072339361368 | 27.885122560632215 | Loamy | 3.2017062362716064 | 11.479513819384207 | 47.31400961465189 | 1 |
| 4 | 20.328119542889063 | 52.53043475904727 | Clay | 67.42022872587835 | 6.862381069157626 | 40.88351193361855 | 1 |
| 5 | 27.414307449181756 | 47.895514501091185 | Sandy | 11.064794772670439 | 3.1807992722689944 | 26.56337042853305 | 0 |
| 6 | 31.903810064306484 | 65.71066746719451 | Sandy | 31.696816451533927 | 0.83423167861366 | 45.655540210881945 | 1 |
| 7 | 29.57038007336905 | 35.519640513553554 | Clay | 45.06002893738301 | 2.9253396176227904 | 16.134555263819394 | 0 |
| 8 | 29.596824258032598 | 59.064044055836064 | Loamy | 188.55507161731651 | 6.087024665178068 | 48.21599734488024 | 1 |
| 9 | 24.766128334500102 | 77.48157136849115 | Loamy | 46.12201176070878 | 2.771389556200755 | 49.91005661413102 | 1 |
| 10 | 16.99018443145698 | 35.411240692358064 | Clay | 191.09104629465762 | 8.147077580221836 | 32.49129088606374 | 1 |

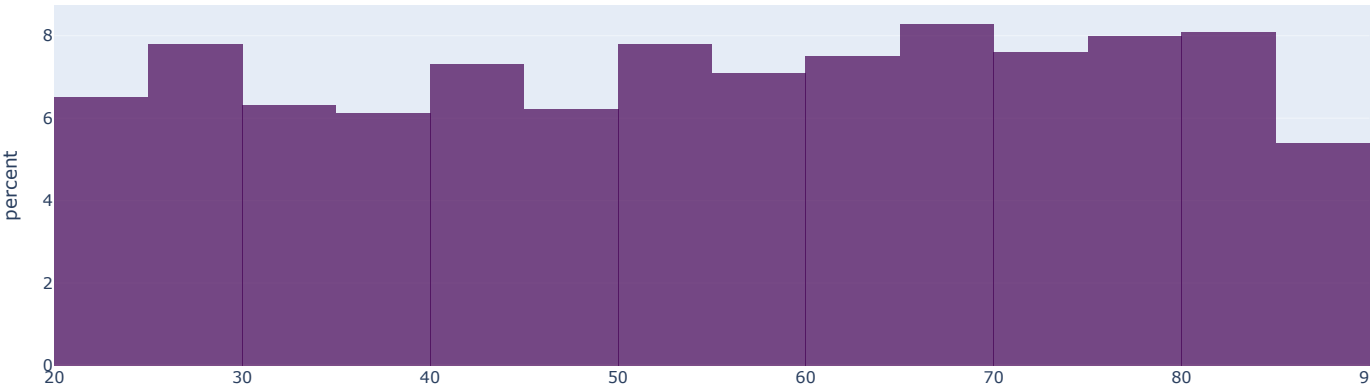
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Temperature & Humidity Histogram

Temperature 분포



Humidity 분포

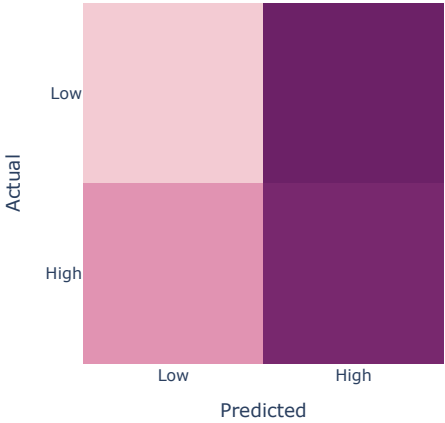


Model Evaluation

Accuracy: 0.48



Confusion Matrix



Predict Soil Moisture

Temperature (°C):

10

12

14

16

18

20

22

24

26

27

28

30

32

34

36

Humidity (%):

20

30

40

50

60

68

70

72

80

90

Rainfall (mm):

0

20

40

60

80

100

120

140

155

160

180

200

Wind Speed (m/s):

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Soil Type:

Sandy

×

▼

예측하기

토양습도: 37.56, 토양습도정도: 높음, 최근접 3개 이웃의 토양습도정도: 높음