

DEPLOYMENT FINAL PROJECT 2

MSIB Batch 3 Hacktiv8

Rainfall Prediction in Australia

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A. Hasil deployment dari Final Project 2

Predict the Rain in Your Area:

MinTemp
(Lowest temperature of the day)

In Celcius

Rainfall
(The amount of precipitation that day)

In mm

Sunshine
(The number of hours clear with sunlight that day)

In Hours

WindGustSpeed
(Highest wind speed for 24 hours before 12 at night that day)

In km/hour

Humidity9am
(Humidity at 9 am that day)

In Percent

Humidity3pm
(Humidity at 3 pm that day)

In Percent

Pressure3pm
(Air pressure at 3 pm that day in hpa)

In hpa

Cloud9am
(The percentage of the sky covered by clouds by 9 am that day)

In percentage (0-9)

Cloud3pm
(The percentage of the sky covered by clouds by 3 pm that day)

In percentage (0-9)

RainToday
(Is it raining today)

Choose...

Month
(Month on that day)

Choose...

Location
(Name of a city in Australia)

Choose...

PREDICT NOW →

Prediction Result:

According To:

MinTemp:
Rainfall:
Sunshine:
WindGustSpeed:
Humidity:
Pressure:
Cloud:

About Us:

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B. Prediksi menggunakan app yang sudah dideploy ke heroku

1. Jika bulan Januari di kota Albury diketahui bahwa Minimal Temperature = 7.4, Rainfall = 0.0, Sunshine = 8.4, Wind Gust Speed = 44.0, Humidity 9 am = 44.0, Humidity 3 pm = 25.0, Pressure 3 pm = 1007.8, Cloud 9 am dan Cloud 3 pm = 5.0, hari ini tidak terjadi hujan. Apakah besok akan terjadi hujan?

The screenshot shows a web browser displaying the 'Rain Prediction App in Australia'. The URL is 'rain-predict-fp2-kel8.herokuapp.com/predict'. The interface is split into two main sections. On the left, under 'Predict the Rain in Your Area:', there are input fields for 'MinTemp' (Lowest temperature of the day) in Celsius, 'Rainfall' (The amount of precipitation that day) in mm, 'Sunshine' (The number of hours clear with sunlight that day) in Hours, 'WindGustSpeed' (Highest wind speed for 24 hours before 12 at night that day) in km/hour, and 'Humidity9am'. On the right, under 'Prediction Result:', it states 'Tomorrow the Albury area won't rain'. Below this, 'According To:' lists the input data: MinTemp: 7.4, Rainfall: 0.0, Sunshine: 8.4, WindGustSpeed: 44.0, Humidity: 34.5, Pressure: 1007.8, and Cloud: 5.0.

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok tidak akan terjadi hujan di kota Albury.

2. Jika bulan April di kota Williamtown diketahui bahwa Minimal Temperature = 16.10, Rainfall = 1.5, Sunshine = 7.45, Wind Gust Speed = 39.0, Humidity 9 am = 94.0, Humidity 3 pm = 72.0, Pressure 3 pm = 1012.7, Cloud 9 am dan Cloud 3 pm = 7.0, hari ini terjadi hujan. Apakah besok akan terjadi hujan?

The screenshot shows the same web browser displaying the 'Rain Prediction App in Australia' for Williamtown. The URL is 'rain-predict-fp2-kel8.herokuapp.com/predict'. The interface is similar to the first screenshot. On the left, under 'Predict the Rain in Your Area:', there are input fields for 'MinTemp' (Lowest temperature of the day) in Celsius, 'Rainfall' (The amount of precipitation that day) in mm, 'Sunshine' (The number of hours clear with sunlight that day) in Hours, 'WindGustSpeed' (Highest wind speed for 24 hours before 12 at night that day) in km/hour, and 'Humidity9am'. On the right, under 'Prediction Result:', it states 'Tomorrow the Williamtown area will rain'. Below this, 'According To:' lists the input data: MinTemp: 16.1, Rainfall: 1.5, Sunshine: 7.5, WindGustSpeed: 39.0, Humidity: 83.0, Pressure: 1012.7, and Cloud: 7.0.

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok akan terjadi hujan di kota Williamtown.

3. Jika bulan Mei di kota Sydney diketahui bahwa Minimal Temperature = 18.2, Rainfall = 0.4, Sunshine = 12.1, Wind Gust Speed = 40.0, Humidity 9 am = 40.0, Humidity 3 pm = 21.0, Pressure 3 pm = 1000.2, Cloud 9 am = 7.0, Cloud 3 pm = 4.0, hari ini terjadi hujan. Apakah besok akan terjadi hujan?

The screenshot shows a web browser window with the URL `rain-predict-fp2-kel8.herokuapp.com/predict`. The page has a background image of a kangaroo. On the left, there is a form titled "Predict the Rain in Your Area:" with input fields for MinTemp, Rainfall, Sunshine, WindGustSpeed, and Humidity9am. On the right, the "Prediction Result:" section displays the prediction for Sydney: "Tomorrow the Sydney area won't rain". Below this, it lists the input data used for the prediction.

Predict the Rain in Your Area:	
MinTemp	(Lowest temperature of the day)
In Celcius	
Rainfall	(The amount of precipitation that day)
In mm	
Sunshine	(The number of hours clear with sunlight that day)
In Hours	
WindGustSpeed	(Highest wind speed for 24 hours before 12 at night that day)
In km/hour	
Humidity9am	

Prediction Result:	
Tomorrow the Sydney area won't rain	
According To:	
MinTemp:	18.2
Rainfall:	0.4
Sunshine:	12.1
WindGustSpeed:	40.0
Humidity:	30.5
Pressure:	1000.2
Cloud:	5.5

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok tidak akan terjadi hujan di kota Sydney.

4. Jika bulan Mei di kota Walpole diketahui bahwa Minimal Temperature = 8.1, Rainfall = 1.5, Sunshine = 8.4, Wind Gust Speed = 40.0, Humidity 9 am = 97.0, Humidity 3 pm = 82.0, Pressure 3 pm = 1015.1, Cloud 9 am dan Cloud 3 pm = 8.0, hari ini terjadi hujan. Apakah besok akan terjadi hujan?

The screenshot shows the same web browser window as before, but the prediction result for Walpole is: "Tomorrow the Walpole area will rain". The input data used for the prediction is also displayed.

Predict the Rain in Your Area:	
MinTemp	(Lowest temperature of the day)
In Celcius	
Rainfall	(The amount of precipitation that day)
In mm	
Sunshine	(The number of hours clear with sunlight that day)
In Hours	
WindGustSpeed	(Highest wind speed for 24 hours before 12 at night that day)
In km/hour	
Humidity9am	

Prediction Result:	
Tomorrow the Walpole area will rain	
According To:	
MinTemp:	8.1
Rainfall:	1.5
Sunshine:	8.4
WindGustSpeed:	40.0
Humidity:	89.5
Pressure:	1015.1
Cloud:	8.0

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok akan terjadi hujan di kota Walpole.

5. Jika bulan November di kota Canberra diketahui bahwa Minimal Temperature = 18.0, Rainfall = 0.7, Sunshine = 8.7, Wind Gust Speed = 41.0, Humidity 9 am = 28.0, Humidity 3 pm = 36.0, Pressure 3 pm = 1001.5, Cloud 9 am = 4.0, Cloud 3 pm = 7.0, hari ini tidak terjadi hujan. Apakah besok akan terjadi hujan?

Predict the Rain in Your Area:

MinTemp
(Lowest temperature of the day)
In Celcius

Rainfall
(The amount of precipitation that day)
In mm

Sunshine
(The number of hours clear with sunlight that day)
In Hours

WindGustSpeed
(Highest wind speed for 24 hours before 12 at night that day)
In km/hour

Prediction Result:

Tomorrow the Canberra area won't rain

According To:
MinTemp: 18.0
Rainfall: 0.7
Sunshine: 8.7
WindGustSpeed: 41.0
Humidity: 32.0
Pressure: 1001.5
Cloud: 5.5

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok tidak akan terjadi hujan di kota Canberra.

6. Jika bulan July di kota Melbourne diketahui bahwa Minimal Temperature = 25.0, Rainfall = 0.4, Sunshine = 7.5, Wind Gust Speed = 47.0, Humidity 9 am = 77.0, Humidity 3 pm = 86.0, Pressure 3 pm = 996.5, Cloud 9 am = 2, Cloud 3 pm = 3, hari ini terjadi hujan. Apakah besok akan terjadi hujan?

Predict the Rain in Your Area:

MinTemp
(Lowest temperature of the day)
In Celcius

Rainfall
(The amount of precipitation that day)
In mm

Sunshine
(The number of hours clear with sunlight that day)
In Hours

WindGustSpeed
(Highest wind speed for 24 hours before 12 at night that day)
In km/hour

Prediction Result:

Tomorrow the Melbourne area will rain

According To:
MinTemp: 25.0
Rainfall: 0.4
Sunshine: 7.5
WindGustSpeed: 47.0
Humidity: 81.5
Pressure: 996.5
Cloud: 2.5

Kesimpulan:

Ternyata hasil prediksi menggunakan data di atas ialah besok akan terjadi hujan di kota Melbourne.