

Iris Flower Prediction Application Using Logistic Regression

Created project by:

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ABOUT PROJECT

This project applies Supervised Learning for Multiclass Classification using Logistic Regression to classify Iris flowers (Setosa, Versicolor, and Virginica) based on four features: sepal length, sepal width, petal length, and petal width.

The model is trained on the Iris dataset from Scikit-learn, containing 150 balanced samples. A Tkinter-based GUI allows users to input data and see predictions instantly. The project also includes model evaluation with accuracy, confusion matrix, and classification report, along with visualizations using Seaborn and Matplotlib.

RESULTS

Prediksi Jenis Bunga Iris

Masukkan Data Bunga Iris

Sepal Length:

Sepal Width:

Petal Length:

Petal Width:

Prediksi

Evaluasi Model

Confusion Matrix

Prediksi Jenis Bunga Iris

Masukkan Data Bunga Iris

Sepal Length:

Sepal Width:

Petal Length:

Petal Width:

Prediksi

Hasil Prediksi: versicolor

Evaluasi Model

Confusion Matrix

Evaluasi Model

Akurasi: 93.33%

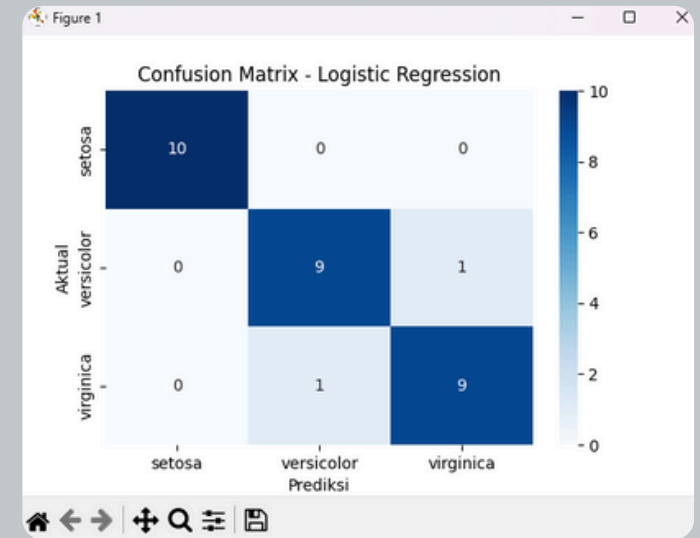
Confusion Matrix:

```
[[10 0 0]
 [0 9 1]
 [0 1 9]]
```

Laporan Klasifikasi:

	precision	recall	f1-score	support
setosa	1.00	1.00	1.00	10
versicolor	0.90	0.90	0.90	10
virginica	0.90	0.90	0.90	10
accuracy		0.93		30
macro avg	0.93	0.93	0.93	30
weighted avg	0.93	0.93	0.93	30

OK





CONTACT ME

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