

(2) WhatsApp

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Untitled0.ipynb - Colab

New repository

+

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Untitled0.ipynb

File Edit View Insert Runtime Tools Help

Commands + Code + Text Run all

RAM Disk

[1] 13s

import pandas as pd  
from sklearn.model\_selection import train\_test\_split  
from sklearn.tree import DecisionTreeClassifier  
from sklearn.metrics import accuracy\_score  
from sklearn.preprocessing import LabelEncoder

[7] 5s

from google.colab import files  
uploaded = files.upload()

Choose files carprice prediction.csv  
carprice prediction.csv(text/csv) - 12533 bytes, last modified: 13/12/2025 - 100% done  
Saving carprice prediction.csv to carprice prediction.csv

[11] 0s

data = pd.read\_csv("carprice prediction.csv")

[13] 0s

label = LabelEncoder()  
  
for col in data.columns:  
 if data[col].dtype == "object":  
 data[col] = label.fit\_transform(data[col])

Release notes

popular accelerators. GPU runtime costs were increased slightly to match costs. Enjoy savings on:

- GPUs (A100, L4, T4) up to 13% cost reduction
- TPUs (V28, V5E1, V6E1) up to 10% cost reduction

- Launched dynamic suggestions in Colab AI, giving context aware suggested prompts to users conversing with Gemini in Colab.
- Launched [High memory A100s](#) offering double the GPU and system RAM.
- Launched [Runtime Version Selector](#), giving users enhanced reproducibility and letting you reliably execute old code.
- Launched [Slideshow mode improvements](#) like starting a slideshow anywhere in the notebook.
- Added Copy Cell Output command to the cell output menu.
- Python package upgrades
  - bigframes 2.17.0 -> 2.24.0
  - cfli 1.17.1 -> 2.0.0
  - google-adk 1.12.0 -> 1.14.1
  - google-genai 1.31.0 -> 1.41.0
  - gradio 5.43.1 -> 5.49.0
  - huggingface-hub 0.34.4 -> 0.35.3
  - jupyter-client 6.1.12 -> 7.4.9
  - jupyter-console 6.1.0 -> 6.6.3
  - jupyter-server 1.16.0 -> 2.14.0
  - kagglehub 0.3.12 -> 0.3.13
  - Markdown 3.8.2 -> 3.9
  - mcp 1.13.1 -> 1.16.0
  - narwhals 2.2.0 -> 2.7.0
  - openai 1.101.0 -> 1.109.1
  - tiktoken 0.11.0 -> 0.12.0

Variables Terminal

Air: Moderate Today

Search

10:21 Python 3

10:23 15-12-2025

```
[28] ✓ 0s
x = data.drop("Price", axis=1)
y = data["Price"]

x_train, x_test, y_train, y_test = train_test_split(
    x, y, test_size=0.2, random_state=42
)

[18] ✓ 0s
from sklearn.tree import DecisionTreeRegressor

model = DecisionTreeRegressor()
model.fit(X_train, y_train)

...
DecisionTreeRegressor
DecisionTreeRegressor()

Gemini
[34] ✓ 0s
+from sklearn.metrics import r2_score
+
y_pred = model.predict(X_test)

-accuracy = accuracy_score(y_test, y_pred)
-print("Accuracy =", accuracy)
-
+r2 = r2_score(y_test, y_pred)
+print("R2 Score =", r2)
```

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```
+from sklearn.metrics import r2_score
+
y_pred = model.predict(X_test)

-accuracy = accuracy_score(y_test, y_pred)
-print("Accuracy =", accuracy)
-
+r2 = r2_score(y_test, y_pred)
+print("R2 Score =", r2)
```

... R2 Score = -1.5171593213135668

[32] ✓ 0s

```
from sklearn.tree import DecisionTreeRegressor

model = DecisionTreeRegressor()
model.fit(X_train, y_train)
```

DecisionTreeRegressor  
DecisionTreeRegressor()

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