

(2) WhatsApp colab.google Untitled0.ipynb - Colab New repository

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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. CPU 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.
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- Python package upgrades
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 - 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 10:21 Python 3

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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
)

from sklearn.tree import DecisionTreeRegressor

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

DecisionTreeRegressor

Gemini

+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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[34] 0s

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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

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