

(42) WhatsApp x AI Traffic Safety Prediction x Untitled15.ipynb - Colab x Untitled15.ipynb - Colab x +

colab.research.google.com/drive/1sZOYwUHS_9PoIUEnYqagUGjeDrRaG7H#scrollTo=oTJV25h4WzuG

Gmail YouTube Maps Adobe Acrobat All Bookmarks

Untitled15.ipynb Saving failed since 15:29

File Edit View Insert Runtime Tools Help

Commands + Code + Text

Files

Analyse your files with code written by Gemini Upload

sample_data dataset_tramc_accident_predic...

```
[13] X_scaled = scaler.fit_transform(X)

[14] X_train, X_test, y_train, y_test = train_test_split(
      X_scaled, y, test_size=0.2, random_state=42)

[15] model = RandomForestClassifier(random_state=42)
      model.fit(X_train, y_train)

[16] y_pred = model.predict(X_test)

print("Accuracy:", accuracy_score(y_test, y_pred))
print("\nConfusion Matrix:\n", confusion_matrix(y_test, y_pred))
print("\nClassification Report:\n", classification_report(y_test, y_pred))

Accuracy: 0.7407407407407407

Confusion Matrix:
[[56  1]
 [20  4]]
```

Automatic saving failed. This file was updated remotely or in another tab. Show diff

colab.research.google.com/drive/1sZOYwUHS_9PolUEnYqaqGUgjeDrRaG7H#scrollTo=oTJV25h4WzuG

GmailYouTubeMapsAdobe Acrobat

All Bookmarks

Untitled15.ipynb

Saving failed since 15:29

FileEditViewInsertRuntimeToolsHelp

CommandsCodeText

Files

Analyse your files with code written by GeminiUpload

..sample_datadataset_tramc_accident_predic...

RandomForestClassifier(random_state=42)

[16] y_pred = model.predict(X_test)

print("Accuracy:", accuracy_score(y_test, y_pred))

print("\nConfusion Matrix:\n", confusion_matrix(y_test, y_pred))

print("\nClassification Report:\n", classification_report(y_test, y_pred))

Accuracy: 0.7407407407407407

Confusion Matrix:

[[56 1]

[20 4]]

Classification Report:

	precision	recall	f1-score	support
0.0	0.74	0.98	0.84	57
1.0	0.80	0.17	0.28	24
accuracy			0.74	81
macro avg	0.77	0.57	0.56	81
weighted avg	0.76	0.74	0.67	81