

```
# Install necessary libraries (if not already installed)
!pip install -q seaborn scikit-learn pandas matplotlib

# Import libraries
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import accuracy_score, classification_report

# Upload file using Colab's upload tool
from google.colab import files
uploaded = files.upload()

# Assuming the uploaded file is creditcard.csv
df = pd.read_csv('creditcard.csv')


# Preprocessing
df["Amount"] = StandardScaler().fit_transform(df["Amount"].values.reshape(-1, 1))
X = df.drop("Class", axis=1)
y = df["Class"]

# Split data
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, stratify=y, random_state=42)

# Model training
model = RandomForestClassifier(n_estimators=100, random_state=42)
model.fit(X_train, y_train)

# Predictions
y_pred = model.predict(X_test)

# Evaluation
print("Accuracy:", accuracy_score(y_test, y_pred))
print(classification_report(y_test, y_pred))
```

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Saving creditcard.csv to creditcard.csv

Accuracy: 0.9995962220427653

	precision	recall	f1-score	support
0	1.00	1.00	1.00	56864
1	0.94	0.82	0.87	98
accuracy			1.00	56962
macro avg	0.97	0.91	0.94	56962
weighted avg	1.00	1.00	1.00	56962