

## Credit Card general case using Python

```
import pandas as pd

from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import classification_report

# Load the dataset

data = pd.read_csv('CC_GENERAL.csv')

# Preprocessing

X = data.drop('Class', axis=1)
y = data['Class']

# Split the data into training and testing sets

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)

# Feature Scaling

scaler = StandardScaler()

X_train_scaled = scaler.fit_transform(X_train)
X_test_scaled = scaler.transform(X_test)

# Build and Train the Model

model = RandomForestClassifier(n_estimators=100, random_state=42)

model.fit(X_train_scaled, y_train)

# Make Predictions

y_pred = model.predict(X_test_scaled)

# Evaluate the Model
```

```
print(classification_report(y_test, y_pred))
```