import numpy as np

import pandas as pd

# Generate synthetic data

np.random.seed(42)

n\_samples = 1000

n\_features = 3

data\_normal = np.random.normal(loc=50, scale=5, size=(n\_samples, n\_features))

data\_anomalous = np.random.normal(loc=70, scale=5, size=(50, n\_features))

data = np.vstack([data\_normal, data\_anomalous])

df = pd.DataFrame(data, columns=['Transaction Amount', 'Account Balance', 'Transaction Frequency'])

df = df.sample(frac=1).reset\_index(drop=True)