import numpy as np

from sklearn.preprocessing import OneHotEncoder

# Create a sample dataset with categorical features

data = np.array([

['Red', 'Circle'],

['Blue', 'Triangle'],

['Green', 'Square'],

['Red', 'Triangle'],

['Blue', 'Circle']

])

# Initialize the OneHotEncoder

encoder = OneHotEncoder(sparse=False)

# Define the chunk size for processing data

chunk\_size = 2

# Process the data in chunks

for i in range(0, len(data), chunk\_size):

chunk = data[i:i+chunk\_size] # Get a chunk of data

encoded\_chunk = encoder.fit\_transform(chunk) # Apply OneHotEncoder to the chunk

print("Chunk", i // chunk\_size + 1)

print(encoded\_chunk)

# Note: In practice, you would read data from a file or another source and process it in chunks.