DDA_exercise3.py

```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from mpi4py import MPI

# initialize MPI
comm = MPI.COMM_WORLD
rank = comm.Get_rank()
size = comm.Get_size()

#load data form csv file into pandas dataframe called pandas
#specify column header is the first row in data file
# index_col 0 specifies that the first column in the CSV file should be used as the
DataFrame index.
pandas = pd.read_csv("cluster_data.csv", header=0, index_col=0)

plt.scatter(pandas['x'], pandas['y'])
plt.xlabel('X')
plt.ylabel('Y')
plt.show()
```