

User's guide

This document is written to present how to repeat our proposed approach. Before running the code of CFCD, the following reminders are worth noting.

Code running environment:

1. Install Pycharm
2. Python: Install the python3.8 interpreter or later.
3. Pytorch: pip3 install torch torchvision torchaudio --index-url <https://download.pytorch.org/whl/cu117>

Need to install python library functions:

```
import cv2
from torch.utils.data import Dataset
import glob
import os
from sklearn.metrics import confusion_matrix
import math
import random
import torch.nn
from sklearn.cluster import KMeans
import numpy as np
import torchvision
import torch
from torchvision import transforms
from tqdm import tqdm
from torchvision import models
import time
```

If you encounter a problem, please do not hesitate to contact us: E-mail: liguangfei_dream@hotmail.com