**01. Custom Dataset**

**Code**

import os

import pandas as pd

import glob

from torch.utils.data.dataset import Dataset

class MyCustomDataset(Dataset):

    def \_\_init\_\_(self, path):

        self.all\_data\_path = glob.glob(os.path.join(path, '\*.csv') )

        # ['./2022.12/12.13\_d50\_image\\bbox\_data.csv']

        csv\_path = self.all\_data\_path[0]

        # ./2022.12/12.13\_d50\_image\bbox\_data.csv

        df = pd.read\_csv(csv\_path)

        # print(df)

        # exit()

        self.file\_name = df.iloc[: , 1].values # ['banana\_0.jpg' 'banana\_1.jpg' ...]

        self.x\_list = df.iloc[: , 2].values  # [ 18.89  74.51 ...]

        self.y\_list = df.iloc[: , 3].values  # [ 16.8   24.87 ...]

        self.w\_list = df.iloc[: , 4].values  # [236.2  612.25 ...]

        self.h\_list = df.iloc[: , 5].values  # [135.87 793.09 ...]

    def \_\_getitem\_\_(self, index):

        image\_name = self.file\_name[index]

        x = self.x\_list[index]

        y = self.y\_list[index]

        w = self.w\_list[index]

        h = self.h\_list[index]

        return image\_name, x, y, w, h

    def \_\_len\_\_(self):

        return len(self.all\_data\_path)

data = MyCustomDataset("./2022.12/12.13\_d50\_image/")

for item in data:

    print(item)

**Result**

- Dataframe

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- Return 값 (file\_name, x, y, w, h)

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