Split_into_Partitions

March 28, 2020

[ ]:
```
import numpy as np

import os
from csv import reader

import os
import shutil,sys
```

[ ]:
```
def load_file(filename):
    file = open(filename, "r")
    lines = reader(file)
    data = list(lines)

    array = []

    for row in range(len(data)):
        for rrow in range(len(data[row])):
            array.append(data[row][rrow])

    return array
```

[ ]:
```
fnums = ['1','2','3','4','5','6','7','8','9','10']

for x in range (10):

    train_path = r'Training_'+fnums[x]+'.txt'
    train_names_array = load_file(train_path)

    test_path = r'Testing_'+fnums[x]+'.txt'
    test_names_array = load_file(test_path)

    i=0

    while(i<len(train_names_array)):

        copyfile=train_names_array[i]
        j=train_names_array[i].rsplit('/',1)
```

```
        splitted='split'+fnums[x]

        try:
            os.makedirs(splitted+'/train/'+j[0][1:])
        except FileExistsError:
            pass
        destpth = splitted+'/train'+train_names_array[i]
        shutil.copy(copyfile[1:], destpth)

        i+=1

    k=0

    while(k<len(test_names_array)):

        copyfile=test_names_array[k]
        j=test_names_array[k].rsplit('/',1)
        splitted='split'+fnums[x]

        try:
            os.makedirs(splitted+'/test/'+j[0][1:])
        except FileExistsError:
            pass
        destpth = splitted+'/test'+test_names_array[k]
        shutil.copy(copyfile[1:], destpth)

        k+=1
```

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