DataProcessing

April 17, 2020

```python
[8]: import cv2
     import os
     import shutil
     import math
     import pandas as pd
     import numpy as np
     import glob
     from tqdm import tqdm
     from keras.preprocessing import image
     from keras.utils import np_utils
     from skimage.transform import resize
     from sklearn.model_selection import train_test_split
     import matplotlib.pyplot as plt
     from dataset import audioDataset
     %matplotlib inline
```

```python
[10]: #im, lab = audioDataset('Dataset')
```

```python
[17]: ims = []
      labels = []
      for img in glob.glob("Dataset/*"):
          ims.append(img)
          label = img.split('_')[2].split('.')[0]
          labels.append(label)
```

```python
[ ]: dataset = pd.DataFrame()
     dataset['image'] = ims
     dataset['labels'] = labels
     dataset.to_csv('dataset.csv', header = True, index = False)
```