

EMOTIC preprocessing module description

Chronological order of completion:

1. `annotations_browser.py` - First we need to read the meta-data from the original MATLAB formatted data [.mat file](#) & save them to a CSV file. The latest CSV files are available to download from [here](#).
2. `x_train_csv_to_numpy.py` - Then, we need to read image names (locations on disk) from the generated CSV files (step 1), load them using the basic set of tools for image data provided by Keras & finally save them in a NumPy array. The latest NumPy arrays are available to download from [here](#).

An example is illustrated below:

```
1 x_train = save_x_train_to_numpy(base_img_dir='/home/sandbox/Desktop/EMOTIC_resources/VAD-classification/raw_images/entire_imgs/',  
2                               base_csv_dir='/home/sandbox/Desktop/EMOTIC_resources/VAD-classification/labels/',  
3                               input_size=224,  
4                               mode='test',  
5                               to_file='x_entire_test')
```

3. `y_train_csv_to_numpy.py` - Then, we need to read VAD annotations (labels) from the generated CSV files (step 1) & save them in NumPy arrays.