

Description of Text File Structure for Train and Test Sets

Each text file (e.g., pairsDevTrain.txt and pairsDevTest.txt) defines pairs of images for training and testing a Siamese Neural Network. The structure is as follows:

1. First Line:

- A single number representing the total number of same-person pairs in the file (X).

2. Same-Person Pairs:

- The next X lines contain pairs of images of the same person.

- Format:

<person_name> <image1_index> <image2_index>

- Example:

Abdullah_al-Attiah 1 3

Means the pair consists of:

lfw2/Abdullah_al-Attiah/Abdullah_al-Attiah_0001.jpg

lfw2/Abdullah_al-Attiah/Abdullah_al-Attiah_0003.jpg

3. Different-Person Pairs:

- The remaining lines contain pairs of images of different persons.

- Format:

<person1_name> <image1_index> <person2_name> <image2_index>

- Example:

AJ_Cook 1 Marsha_Thomason 1

Means the pair consists of:

lfw2/AJ_Cook/AJ_Cook_0001.jpg

Notes:

- Images are indexed by their file name in the format:

<person_name>_<image_index>.jpg

- Ensure the directory structure matches the dataset format, with each person's images in a subdirectory named after the person (e.g., lfw2/<person_name>/).

Example Text File:

For a file with 2 same-person pairs and 3 different-person pairs:

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Abdullah_al-Attiah 1 3

Abel_Pacheco 1 4

AJ_Cook 1 Marsha_Thomason 1

Brad_Pitt 2 Angelina_Jolie 1

Tom_Hanks 1 Meryl_Streep 3

This file includes:

- 2 same-person pairs.
- 3 different-person pairs.