README

Usage of dataloader

The dataloader needs to be provided the path to the split that you wish to load Note: Use "empties = 'include'" when loading data without annotations, else they will be discarded

Annotations

Classes

1. Human
2. Bicycle
3. Motorcycle
4. Vehicle

Annotation style

[object_unique_ID] [class] [x_top_left] [y_top_left] [x_bot_right] [y_bot_right] [occlussion_tag]

Annotation Statistics

Class Instance Count

Class	Count
Human	6.142.799
Bicycle	309.232
Motorcycle	35.037
Vehicle	739.723

Further stats coming soon

Datasplit Folder Structure

Dataset Folder Phase (Train, Test, Valid) |–Datasplit (ex. Day, Week, Month, Jan, Jul) | |–Image folder (named 'frames') | | |–Date folder (naming scheme 'YYYYMMDD'. example: 20200630) | | |–Clip folder (naming scheme 'clip_number_timestamp(hhmm)'. example: clip_33_1511) | | |–image_0000.jpg | | |–image_0001.jpg | | |–image_0002.jpg | | ... | | | |–Annotation folder (named 'annotations' (if available)) | | |–Date folder (naming scheme 'YYYYMMDD'. example: 20200630) | | |–Clip folder (naming scheme 'clip_number_timestamp(hhmm)'. example: clip_33_1511) | | |–annotations_0000.txt | | |–annotations_0001.txt | | |–annotations_0002.txt | | ...

Annotation Splits

This section provides an overview over the official datasets train/validation/test splits

Training Data

There are 3 folders with training data which contain all of the data for February, data is redundant between folders (i.e. day is included in week, and week included in month)

- Day
- Week
- Month

Monthly

The remaining monthly split contain 50% validation data and 50% test data

- Jan
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep

Dataset Image Information

Width : 384 Pixels \ Height: 288 Pixels

Raw (0 - 255)

Mean : 106,75217727662955 \ Std. : 52,486909858799336

Normalized (0-1)

Mean : 0,4186359893201157 \ Std. : 0,205831019054115

Note: Mean/Std. is calculated across all 1069247 images

Who do I talk to?

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