

Convert SSD Log from Raw Log

1.介紹

convertSSDLogfromRaw.py 是用來將SDK2.5和3.0版本的raw log 轉換成ssd_log 的程式。

2.操作方式

步驟1.

執行 convertSSDLogfromRaw.py ，並依序輸入raw log path及ssd_log 檔案名稱。

ssd_log 檔案名稱的命名原則如下。

```
{videoname}_{model}_{版本號}_{解析度}_{model訓練釋出日}.txt。
```

操作指令如下。

```
python3 convertSSDLogfromRaw.py \  
--raw_path {raw_log 檔案名稱} --save_name {ssd_log 儲存檔案名稱} --version  
{version}
```

步驟2.

於當前路徑取得轉出的ssd_log。

3.Example

步驟1.

依據所提供的資料路徑執行convertSSDLogfromRaw，指令如下。

```
raw log path: ../example/logs/raw_log/SDK2.5/Bins2.5_ssd_v5.1.1_640x360_Data20211101-  
retrain3-145k.txt  
videoname: 20201104-part2  
model: ssd  
版本號: v5.1.1  
解析度: 640x360  
model訓練釋出日: Data20211101-retrain3-145k
```

```
python convertSSDLogfromRaw.py \  
--raw_path  
../example/logs/raw_log/SDK2.5/Bins2.5_ssd_v5.1.1_640x360_Data20211101-retrain3-  
145k.txt \  
--save_name ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-  
retrain3-145k.txt \  
--version 2.5
```

```
(base) primax1220@vm:~/VMworkplace/repo/pmx_tools/AI_Evaluation$ python convertSSDLogfromRaw.py \  
> --raw_path ../example/logs/raw_log/SDK2.5/Bins2.5_ssd_v5.1.1_640x360_Data20211101-retrain3-145k.txt \  
> --save_name ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain3-145k.txt \  
> --version 2.5  
Open: Bins2.5_ssd_v5.1.1_640x360_Data20211101-retrain3-145k.txt for writing SSD log  
Write SSD log: ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain3-145k.txt
```

raw log path: ../example/logs/raw_log/SDK3.0/Bins3.0_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt
videoname: 20201104-part2
model: ssd
版本號: v5.1.1
解析度: 640x360
model訓練釋出日: Data20211101-retrain4-155k

```
python convertSSDLogfromRaw.py \  
--raw_path \  
../example/logs/raw_log/SDK3.0/Bins3.0_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt \  
--save_name ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt \  
--version 3.0
```

```
(base) primax1220@vm:~/VMworkplace/repo/pmx_tools/AI_Evaluation$ python convertSSDLogfromRaw.py \  
> --raw_path ../example/logs/raw_log/SDK3.0/Bins3.0_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt \  
> --save_name ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt \  
> --version 3.0  
Open: Bins3.0_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt for writing SSD log  
Write SSD log: ../example/logs/20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt
```

步驟2.

取得轉出的ssd_log。

```
huangkaijiedeMacBook-Pro-2 pmx_tools/logs <master*> » ls  
20201104-part2_ssd_v5.1.1_640x360_Data20210420-retrain5b-160k_1.txt  
20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain3-145k.txt  
20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt  
20201104-part2_yolo_v5.1.1_640x360.txt  
copyssdlog  
raw_log
```

```
huangkaijiedeMacBook-Pro-2 pmx_tools/AI_Evaluation <master*> » ls  
20200914-part2_ssd_v5.1.1_640x360_20201024-145k_Eval.txt  
20200914-part2_ssd_v5.1.1_640x360_20210806.txt  
20201104-part2_ssd_v5.1.1_640x360_Data20211101-retrain4-155k.txt  
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```