ImageClef 2019 lifelog Meta data description

Part 1: Minute-based table

Field name	Meaning	Example
minute_ID	Identity field for every minute, unique for every volunteer	u1_20180503_0000
utc_time	UTC Time with format *YYYYMMDD_HHMM_UTC*	20180503_0000_UTC
local_time	Local time in volunteer's time zone (from volunteer's smart phone) *YYYYMMDD_HHMM*	20180503_0100
time_zone	The name of volunteer's time zone	Europe/Dublin
lat	Latitude of volunteer's position	53.386881
lon	Longitude of volunteer's position	-6.15843
name	The name of the place corresponding to volunteer's position	Home
song	The name of the song was playing at that time	
activity	The activity that volunteer was doing at that time	walking transport
steps	The number of volunteer's steps collected by wearable devices	14
calories	The number of calories collected by wearable devices	1.17349994
historic_glucose (mmol/L)	The historic glucose index collected by wearable devices,	4.3

	measured in mmol/L	
scan_glucose (mmol/L)	The scan glucose index collected by wearable devices, measured in mmol/L	4.8
heart_rate	The heart rate of volunteer at that time collected by wearable devices	73
distance	The distance collected by wearable devices	
img00_id to img_19_id	The image ID captured by the wearable camera at that time	u1_20180503_1627_i01
cam00_id to cam14_id	The image ID captured by volunteer's smart phone at that time	u1_20180503_1625_cam_i00

Part 2: Categories and concepts

Field name	Meaning	Example
image_id	Identity field for every image, including images from wearable camera and smart phone camera	u1_20180503_0617_i00
image_path	Image path to the corresponding image	2018_05_03/ B00001383_21I6X0_ 20180503_072356E.JPG
attribute_top1 to attribute_top10 (top 10 attributes)	The top 10 attributes predicted by using the Place CNN, trained on SUNattribute dataset	no horizon man-made metal indoor lighting
category_topXX, category_topXX_score (top 05 categories)	The top 05 categories and their scores predicted by using the Place CNN, trained	chemistry_lab 0.082

	on Place 365 dataset:	
`concept_class_topXX,` `concept_score_topXX,` `concept_bbox_topXX,` `(top 25 concepts)`	Class name, bounding box and score of the top 25 objects with the highest score in each image. They are predicted by using Faster R CNN, trained on the COCO dataset	```person 0.987673 508.568878 171.124496 513.541748 395.073303```

For more information:

- The Place CNN: http://places2.csail.mit.edu

- The COCO Dataset: http://cocodataset.org/#home

- The SUNattribute labels:

  https://github.com/CSAILVision/places365/blob/master/labels_sunattribute.txt

- The Place 365 labels:

  https://github.com/metalbubble/places_devkit/blob/master/categories_places365.txt