

PREPARATION OF DATASET FOR CNN Vol. 2

Machine Learning Meeting

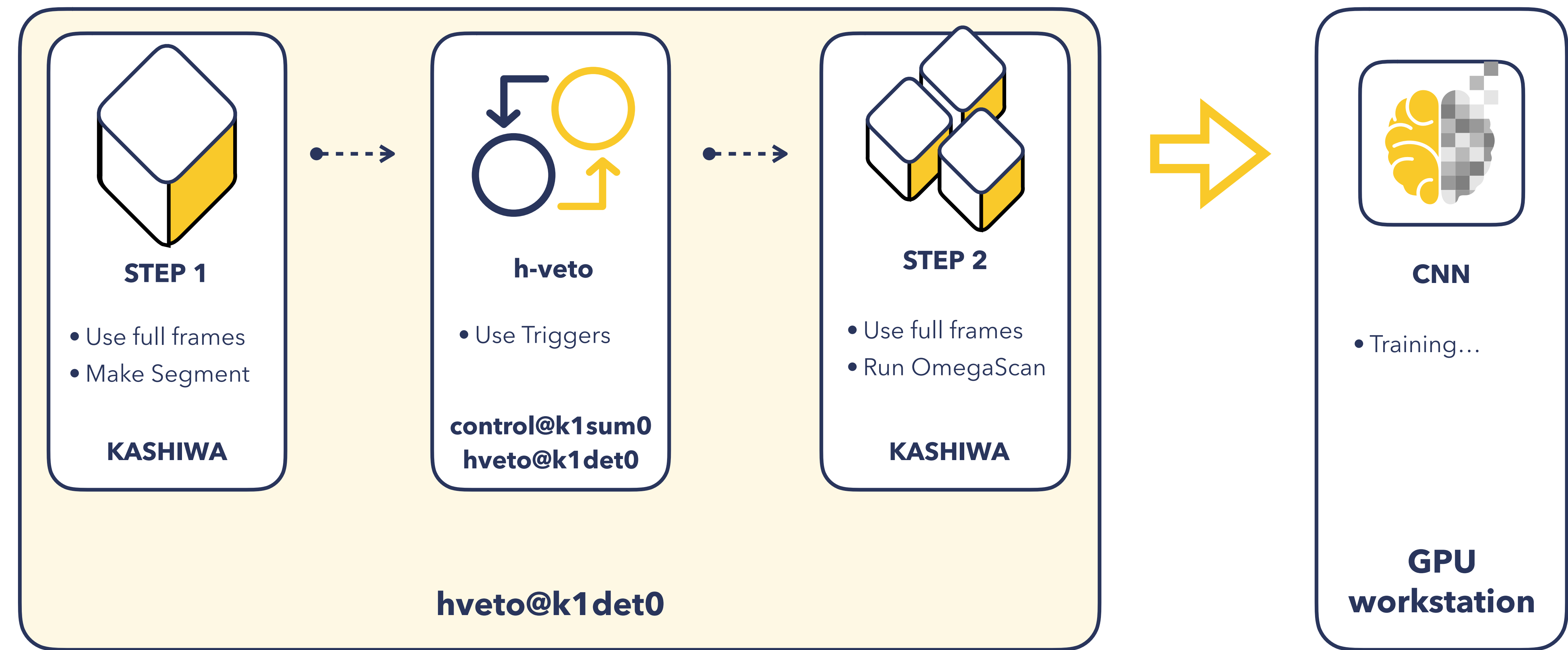
May 17, 2019

Jung, Pil-Jong

OVER VIEW



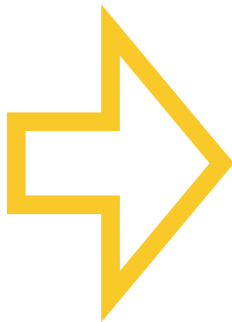
COMPUTING ENVIRONMENT



RAW DATA

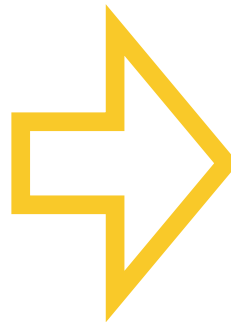
h-veto run at k1det0

12349 Feb. 24	[Done]
12350 Feb. 25	[Done]
12351 Feb. 26	[Done]
12352 Feb. 27	[Done]
12353 Feb. 28	[Done]
.	.
12360 Mar. 7	[Done]
.	.
.	.
.	.
12421 May. 17	[Ready]



OmegaScan run at KASHIWA

> about 700 plots	[15h 10m]
> about 490 plots	[00h 20m]
> about 9,600 plots	[06h 50m]
> about 45,000 plots	[31h 20m]
> about	[Running]
.	
> Ready	
.	
.	
.	
> Ready	



Glitch Classes

blips	: 000 plots
plates	: 000 plots
**	:
**	:
**	:
Others	:

OTHERS

GPU workstation

- OS : Debian9
- CPU :
- GPU : GTX 1080*2
- RAM :
- HDD :



Suggestion about GPU workstation

- OS : Debian9
- CPU : E5-2620v4 *2
- GPU : RTX 2080Ti *4
- RAM : DDR4 32G *8
- Board : ASUS Z10PE-D8 WS
- Water Cooling System



機械学習によるKAGRAノイズカテゴライズ



KAGRA Glitch Categorizing

とある雑音の
分類目録
マシンラーニング

GLITCH
FIGHTER

KGB
KKAIGAKUSHU WO MOCHITA GLITCH BUNRUI PROJECT.

GLITCH  TREK

KGB
101

FINAL GRAVITY

KAGRA OBSERVATORY
GUARDIANS
OF THE GLITCH

kagra
inside

OVERGLITCH

GCML