



Meeting - 11/26/2022

👤 Participants	Ⓒ Gilles MynyⒶ JoshuaⒻ Frank
👤 Created By	Ⓒ Gilles Myny
▼ Type	Professor Meeting
🕒 Created	@November 26, 2022 11:56 AM
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▼ Status	Open

Items Completed this Week:

- Frank

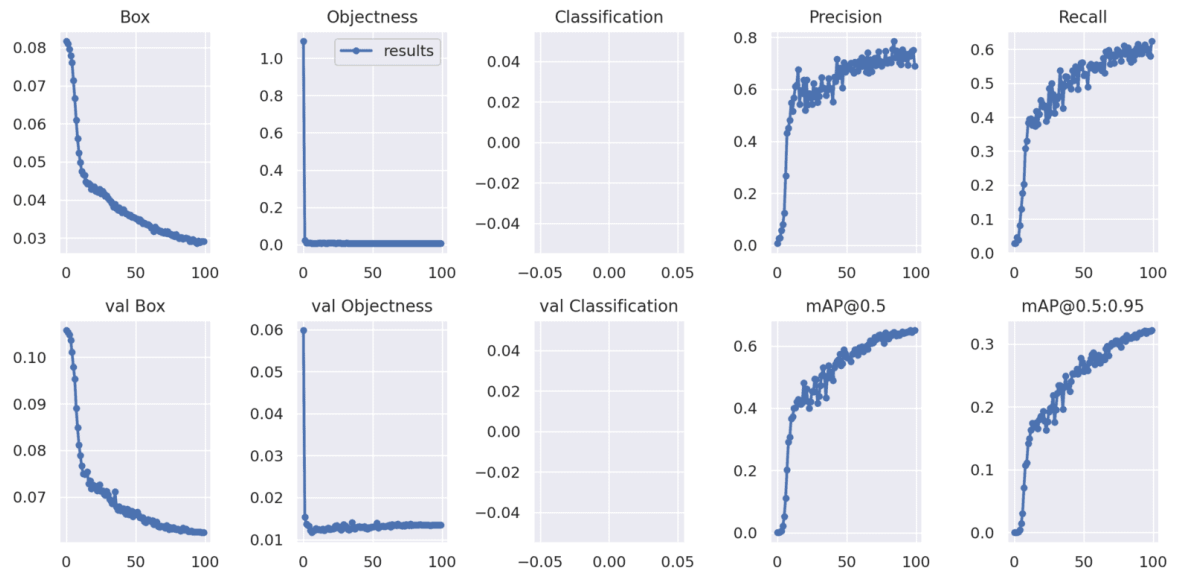
Note: Potential problem when combining datasets, need to keep numbering consistent.

- Trained 4 different models on pothole dataset. Concluded that the more epoches the more accurate the model.
- 100 epochs, batch_size =16
- 50 epoches, batch_size = 16
- 100 epoches, batch_size =8
- 150 epoches, batch_size = 16
- Josh - Developed a preliminary yolo v7 model
- Gilles -
 - Expanded road signs dataset to reduce underrepresented classes.

- Trained a few sets of yolo models on image dataset.
- Sent purchase order for Pi Cam, Pi 4 Model B, Lens, Mount, and Tripod.
- Informed lab managers to prepare the Maker space PC with remote access and Ubuntu LTS 22.04.1.
- Kareem -
 - Curated a dataset for barricades

Items for Next Week

- Gilles -
 - Look into dashcam videos online and/or get self created videos of relevant obstacles.
 - Produce and record trained models for analysis and comparison.
 - Find articles / YouTube videos on exporting models and creating meaningful data points for analysis.
- Josh - Expand yolov7 model, Balance data set
- Frank -
 - Find out how to produce graphs such as:



- Can we add videos to RoboFlow image datasets for testing purposes?