29/12/2023

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| Anomaly Segmentation |

Networks to work with:-

1. BiSeNet
2. BiSeNet2
3. ENet
4. ICNet

4 Models to train & test using **CityScopes** dataset.

Baselines:

* Pretrained ERF-Net on Cityscopes
* Anomaly inference using Anomaly Segmentation dataset

Datasets:

* SMIYC RA-21
* SMIYC RO-21
* Fishyscapes(FS) (L &F)
* FS Static
* Road Anomaly

| Task | Due Date | Done | Initials |
| --- | --- | --- | --- |
| // Prepare our Base line with several testing | 1/07 |  | MO |
| * MSP, MaxLogit and Max Entropy Schedule | 1/10 |  | MO |
| * Temp scaling | 1/15 | ­ | MO |
| // Enet | 1/16 |  | NA |
| // BiSeNet | 1/16 |  |  |
| // ICNet | 1/16 |  | ST |
| // BiSeNet2 | 1/16 |  |  |
| * Additional analysis: |  |  |  |
| O Analyze the effect of additional training dataset | 1/24 |  |  |
| O Effect of Training Loss function | 1/24 |  |  |
| O Self-supervised pre-trained models | 1/24 |  |  |
| O Foundational models (GPU Extensive): | 1/24 |  |  |
| O Pruning and Quantization | 1/24 |  |  |
| * Finalizing the PDF | 1/27 |  |  |