

EvaluateSemanticSegmentation README

Semantic Segmentation IOU evaluation script

Find the semantic segmentation IOU match between predicted and GT mask for vessels. The script can run as-is with the example folders supplied.

Main Input Parameters

GTDir: contains the path to the LabPics evaluation set that is used as Ground truth

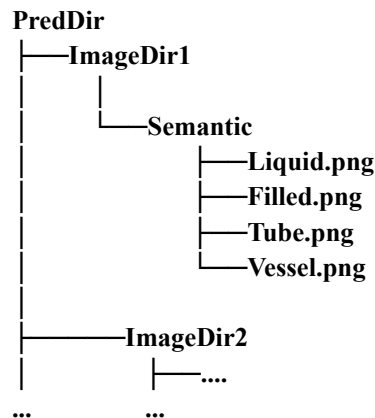
PredDir: Contain the link to the predicted semantic segmentation

(See Subfolder **ExampleData/Predict/** for example in this folder).

Prediction folder strucutre:

See Subfolder **ExampleData/Predict/** for example prediction folder.

The structure of the predicted dir should be as follows:



ImageDir: Should have the same name as the image folder in LabPics evaluation set for every image folder in the GT dir there should be a similar folder in the predicted folder.

ImageDir1\Semantic: Folder contains semantic maps for the full image

ImageDir1\ContentSemantic\Liquid.png: Semantic map for liquid.

ImageDir1\ContentSemantic\Foam.png: Semantic map for foam class.

ImageDir1\ContentSemantic\Tube.png: Semantic map for tube class.

Additional parameters

ClassToUse: classes that will be used for the evaluation.

LimitToVessel: only this vessel types if "" check all.

MinMapAreaInPixels: Minimum number of pixels in maps to use (smaller number will be ignored).