**Deep Learning and Generative Models**

**Project assignment #28**

**Project objective**:

* Semantic segmentation of EBHI dataset of the 6 classes.

**Dataset**:

EBHI dataset:

EBHI-Seg is a dataset containing 5,170 images of six types of tumor differentiation stages and the corresponding ground truth images.

* <https://paperswithcode.com/dataset/ebhi-seg>
* https://figshare.com/articles/dataset/EBHI-SEG/21540159/1

**Network model**:

* Architecture like U-Net

**Detailed information**:

* Make the ablation studies you prefer.
* For each ablation study:

1. When you start the training, split the dataset randomly: 80% training, 20% test.

2. Train a model to make semantic segmentation of the images.

3. Collect performance results.

4. Repeat from point 1 at least 3 times.

5. Average JaccardIndex of the 3 (or more) runs.

**Additional notes**: