What have you gotten?

Configs:

The configuration files for the different networks. 14 means that it’s used to classify group 1 (HLGD) and 4 (Control).

## Data:

### Processed:

Here is the divided cross validation folds and which class each subject belongs to. Class 1-4 is present here, but you are only interested in class 1 and 4. Keep the folds in the same way as we have had them to be able to use our trained models.

*IMPORTANT: Check if the participants from group 1&4 exists in both modalities*

Raw:

The images. VESPR\_brain is T1 (what we used), VESPR\_brain\_flair is t2 flair images (new)

## Docs:

Empty now, (except for this file 😉 ) but it is a good idea to keep references and notes in your project. Then it will update when you git push etc.

Models:

We will download our trained networks from Alvis and put here. Pretrained models to train your flair images on will also be put here. Right now it lacks models. But SFCN can be run.

## Reports:

Empty (but we added one example file so that you can see what the output from training and prediction looks like.

## Src:

### Bash

One example for training, prediction and evaluation of network is put here. You will need to update this code with your virtual environment and other information. And for every network you train you should create a new bash script.

We will go through how it works on Alvis and you will have your own folder where all training and all your files should be kept.

### Data:

*Create\_cv\_files.py* – read the code and understand it.

### Model:

*Train\_model.py* – read the code and understand it.

*Prediction\_model.py* – read the code and understand it.  
*Evaluate.py* – read the code and understand it.

(Read the files in this order)

### Postprocessing

Nothing in here for now (but depending on what you want to do with your output you could put the code here).

### Utils

*Resnet.py*

*Sfcn.py*

*Util\_data.py*

*Util\_general.py*

*Util\_model.py*

These files are used by the files in Model. Some functions might not be used. (Read code and try to understand it. Some parts are maybe a bit tricky. One idea is to try to understand how it works for SFCN and then how it works for resnet50.)

*README.md* – here you can add things that are good to know for a new user of this pipeline.

*Requirements.txt* (might need to be updated, this is something you will notice when we have started running on alvis)