1 17.08.21 (Réunion Cuccu) :

1.1 Material

Read the 2 thesis and ask questions

1.2 Thesis work

MRI (variation in density, slice of images, 3 sequences (one in each dimension) to have the same resolution in the 3 axes, dimensionality more than 3 because of the time and the type of scan, so very difficult to dimensionality) Data processing, 1000 patients will need to be anonymized, work with radiologist, make an automatic tool to:

1. segmentation (perimeter/boundary, dimensionality)
2. cancer diagnosis (yes or no malignant mass (piece of tissue), with 1 neuron with prob)
3. level of certitude
4. location (x,y mass center, with two neurons)

There are the labels for SL, **biopsy** (control to be sure by taking tissue inside a patient)

1.3 Bureaucracy

Sign a paper after the work,supervisor Cudré-Mauroux (),

14:00 24th august on the parking main entrance of the HFR

1.4 Schedule

Weekly meeting, and in HFR, maternal, 30min weekly meeting (on Thursday 13:00) with Cuccu to be consistent and short, meeting for the data and the whole project

1.5 Tools

- Latex + template (overleaf good for more people, google docs for the text, otherwise in local)
- Python + Jupiter
- Linux mint distribution with cinnamon (work **locally**, but access to other servers, or on computers of the HFR)
- Github
- Coding env
- <u>Lists</u> (todo list (prioritization) and wish list (becoming a researcher)) (markdown), ATOM or sublime text

Meeting every Thursday between 13:00pm – 13:30pm

2 18.08.21 (Réunion Cuccu + Cudré-Mauroux)

RAS