

VIOLAINE MONGEAU- PÉRUSSE

PhD student in Psychiatry

BACKGROUND

- Undergrad : Nursing in UdeM, specialisation in psychiatry
- Worked in a psychiatric hospital as a nurse
- Master : Polytechnique de Montréal in industrial engineering
 - Project : Predicting the healing time of a wound using machine learning
- Now : PhD at UdeM
 - Directors : Pierre Orban and Stephane Potvin (IUSMM)

HOW CAN I HELP

- Some skills in Python
- Some skills in machine learning
 - Supervised
 - Unsupervised
- Some skills in the psychiatric field

PROJECT FOR BRAIN HACKING

- 3 Schizophrenic participants
- Seen 12 times (once a week for 12 weeks)
 - 3 resting state runs every time
- fMRI and many symptoms evaluations

PROJECT FOR BRAIN HACKING

- Preprocessing data with
 - Niak
 - fMRIPrep
 - Fcp-indi
- Brain parcellations
 - C-PAC
- Find correlation between symptoms variation and parcellations

FOR THE NEXT 3 WEEKS

- Improve my skills in Python
- Develop skills in neuroimageing
- Meet awesome people
- Have fun !!!