

We are very pleased to announce that

Clinica 0.5.3 is out!

RELEASE NOTES
INSTALLATION

What are the main features of Clinica?

- Complex processing pipelines involving different software packages.
- Integration between feature extraction and statistics / machine learning.
- Standardized input/output data structures.
- Conversion of publicly available datasets (ADNI, AIBL, OASIS, NIFD) to BIDS.

Why should I install Clinica?

In short: to make your life easier!

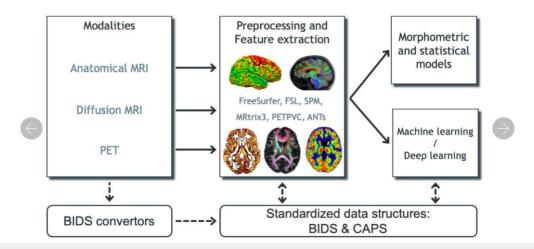
- With Clinica you can:
 easily share data and results
 within your institution and
 with external collaborators;
 make your research more
- reproducible;
 spend less time on data
 management and processing

Who are the intended users of Clinica?

Clinica is meant for users looking for a straightforward and efficient way to process and analyze neuroimaging data, such as machine learning experts wishing to work with neuroimages or clinical fellows not familiar with image processing and analysis tools.

Which technologies underlie Clinica?

Clinica is written in Python. It uses Nipype for pipelining and combines widely-used software packages for neuroimaging data analysis (SPM, FSL, FreeSurfer, MRtrix, ...), machine learning (Scikitlearn) and the BIDS standard for data organization. Its deep learning companion, ClinicaDL, relies on PyTorch.



Around Clinica

ClinicaDL

Framework for the reproducible processing of neuroimaging data with deep learning

Tutorial

Deep learning classification from brain MRI: Application to Alzheimer's disease

AD-DL

Framework for the reproducible evaluation of deep learning classification experiments using anatomical MRI data for the computeraided diagnosis of Alzheimer's disease

AD-ML

Framework for the reproducible evaluation of machine learning classification experiments using anatomical MRI and PET data for the computer-aided dispassis of Alzheimer's disease

