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Clinica, an open-source software to facilitate neuroimaging studies

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ARAMIS LAB
BRAIN DATA SCIENCE



www.clinica.run

Mission statement

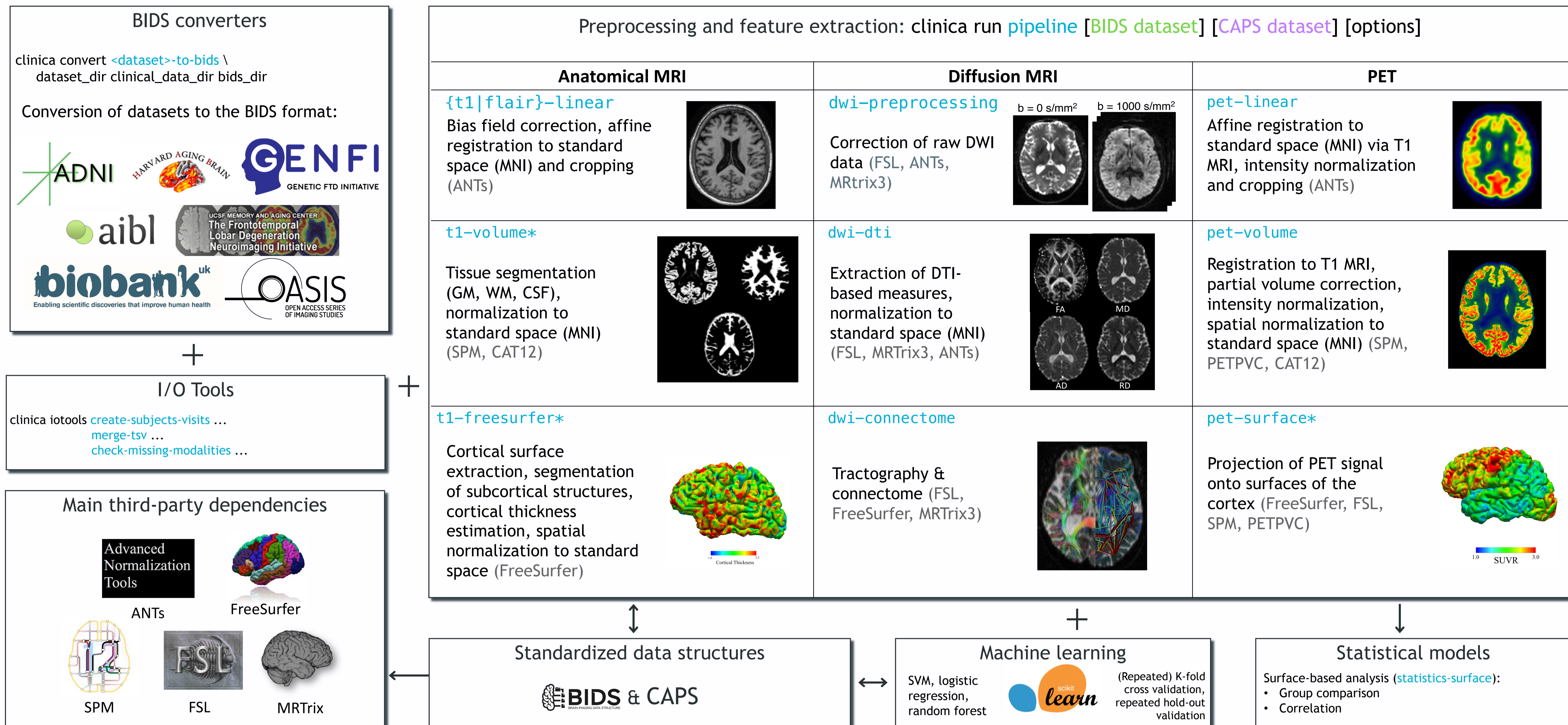
Clinica is an open-source software platform for neuroimaging studies. It is designed to help researchers spend less time on data management and processing, easily share data and results, make their research more reproducible and contribute to Open Science.

Target audience

- Neuroscientists or clinicians conducting clinical neuroscience studies involving multimodal imaging.
- Researchers developing advanced machine learning algorithms.

Overview of Clinica

@clinica_run



Example: processing from unorganized neuroimaging data to Pytorch tensors using Clinica and ClinicaDL



Work in progress and future works

Quality control: Explore methods and processes to provide quality control feedback

Clinica: Development of a web-based dashboard for pipeline monitoring and quality control

Pipelines: Development of new longitudinal pipelines

Provenance: Adherence to the BIDS provenance standard to improve traceability and reproducibility

