

(a) Anatomical Image Pipeline

Bias field correction

Brain extraction

Registration to MNI template

Tissue segmentation

Preprocessed anatomical image

(b) Functional Image Pipeline

Slice timing correction

Rigid registration across frames

Brain extraction

Registration to MNI template

Mean intensity normalisation

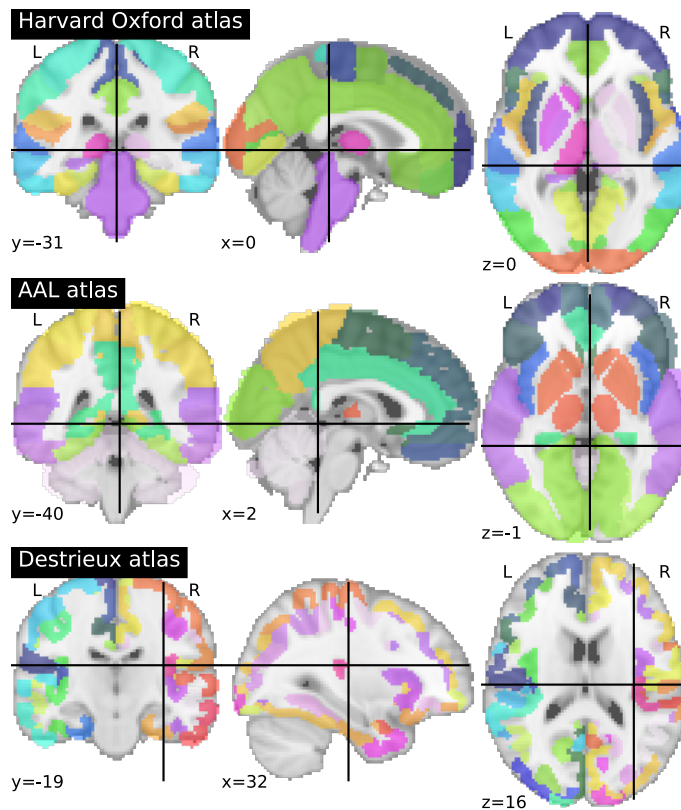
Nuisance signal regression

Band-pass filtering

Scrubbing

Preprocessed functional image

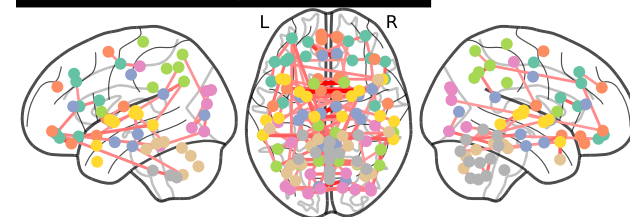
(c) Anatomical atlases



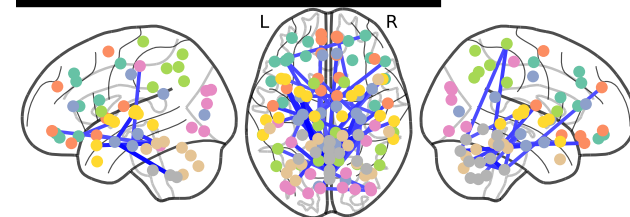
Region time-series

(d) Time-series correlation

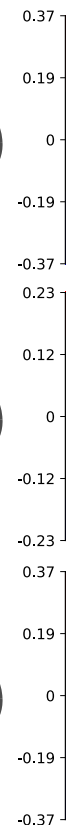
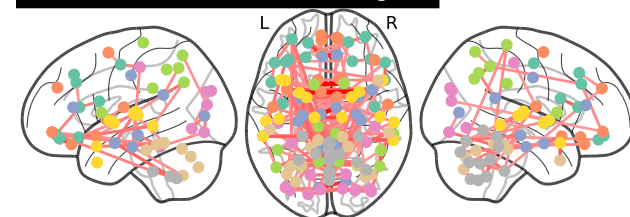
Partial correlation (positive weights)



Partial correlation (negative weights)



Partial correlation (absolute weights)



Brain networks