Datasets Summary

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1. Human Connectome Project Young Adult

https://www.humanconnectome.org/study/hcp-young-adult
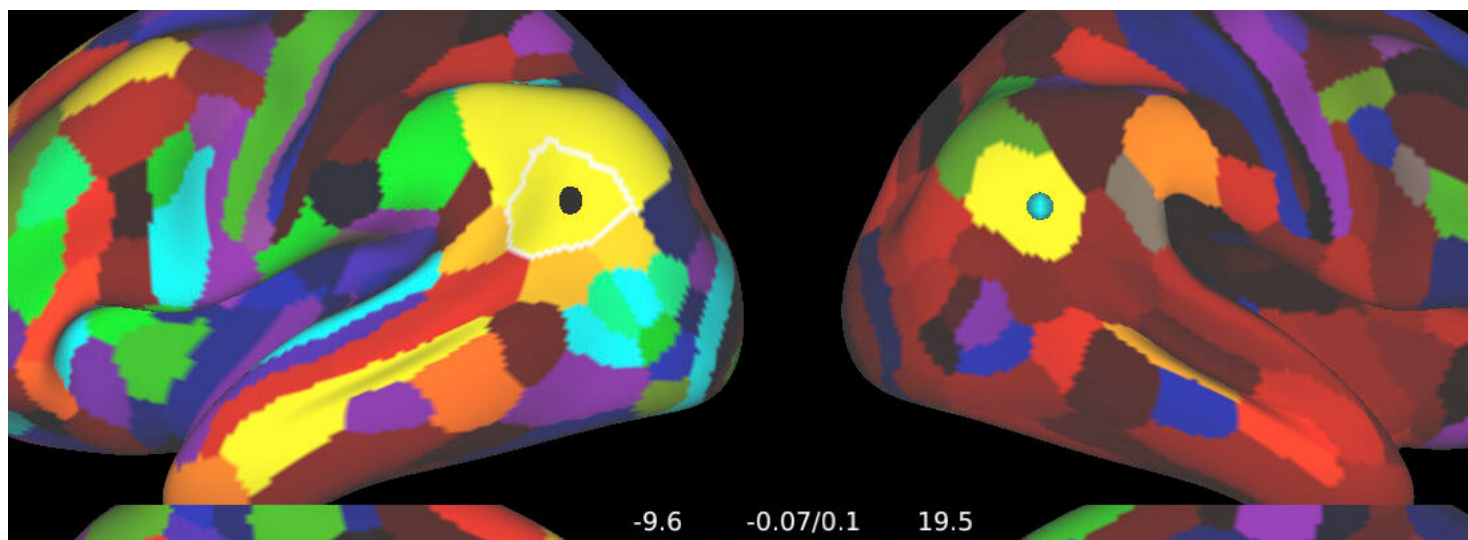***Principal Investigators: Kamil Ugurbil, David Van Essen, et al.***

Data: neuroimaging and behavioral data on 1,200 normal young adults, aged 22-35

- Current data releases: S1200cExtensively Processed fMRI Data, 07, 21, 2017; 1200 subjects Data Release, 03, 01, 2017.
- Archived Data Releases: 900 Subjects Data Release Reference, 500 Subjects Plus MEG2, HCP Lifespan Pilot Data Release, MGH Adult Diffusion Data Release, March 2014 MR Data Patch(not available now), MEG1 Initial Data Release, Q1-Q3 Diffusion Data Update, Q3 Subjects Data Release, Q2 Subjects Data Release, Q1 Subjects Data Release.
  Most of them are login required.
  HCP_S1200_GroupAvg_v1 Dataset (1096, 1003, 812 and 997 Subjects):

  - maps for all 1096 individual subjects enable efficient between subjects comparisons of folding, 'sulc', myelin, and thickness data; With group-average structural and functional MRI data for the final HCP S1200 data release, including group average volumes, structural maps, Cohen's D effect-size maps for task contrasts, and links for viewing seed-based dense functional connectivity;

  - Group Average Functional Connectivity (1003 and 812 Subjects): complete rfMRI data (recons r177 and r227) from 1003 subjects, and a subset of 812 of these subjects whose fMRI data was reconstructed using the improved r227 recon algorithm;

  - HCP1200 Parcellation + Timeseries + Netmats (1003 Subjects): complete rfMRI data (4800 timepoints, recon 177 + r227) from 1003 subjects, yielding the following outputs at 6 ICA dimensionalities;

  - Netmats Megatrawl (820 Subjects): An analysis of the relationships between imaging and non-imaging measures in HCP S900 subjects, using multivariate-prediction and univariate-regression.
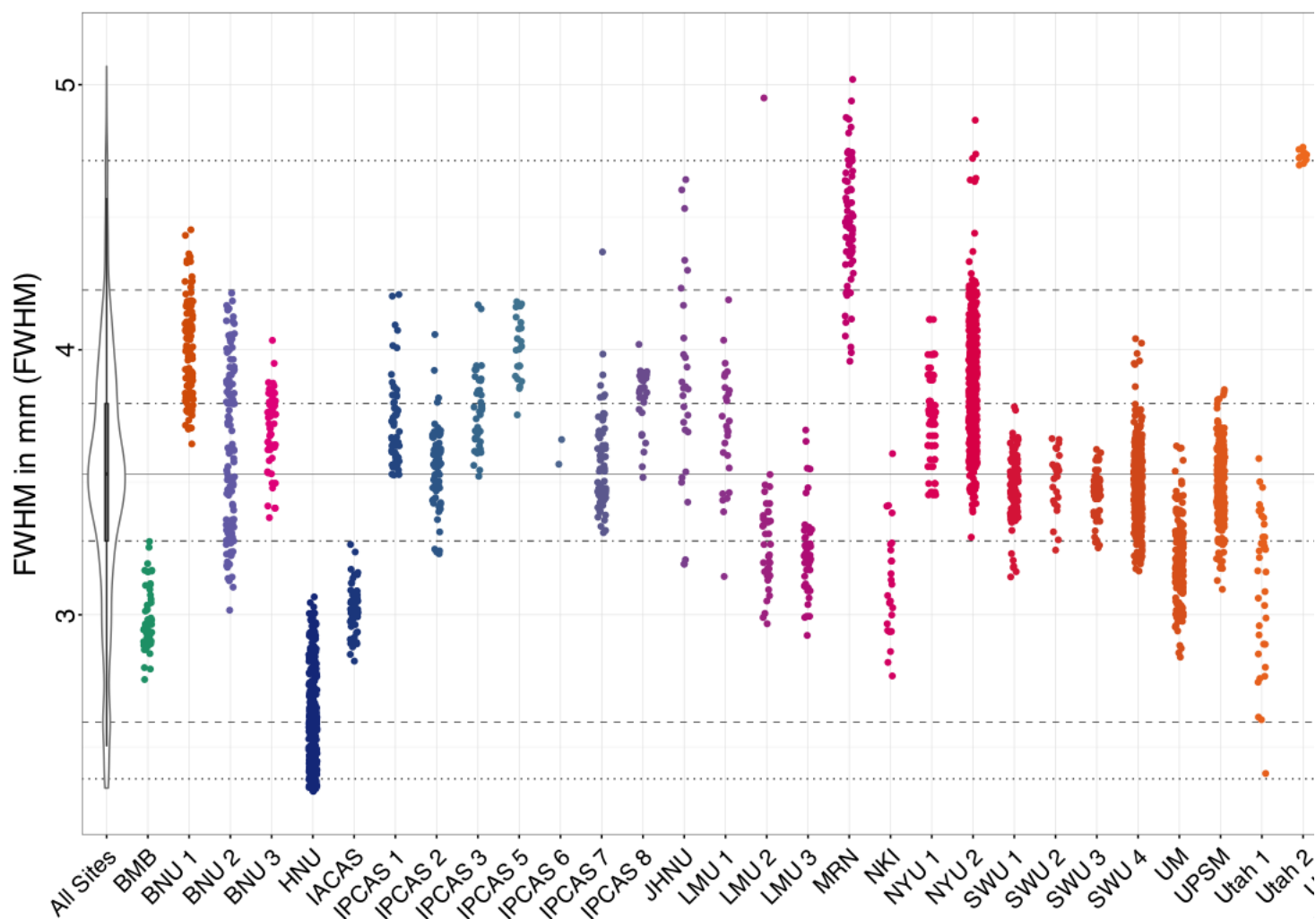

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2. Consortium for Reliability and Reproducibility

http://fcon_1000.projects.nitrc.org/indi/CoRR/html/
Consortium Founders: Xi-Nian Zuo, Michael P. Milham

Data: resting state fMRI (R-fMRI) and diffusion imaging data from laboratories around the world.

- 33 datasets, of which 32 are currently available for download, consisting of:
  - 1629 Subjects
  - 3357 Anatomical Scans
  - 5093 Resting Functional Scans
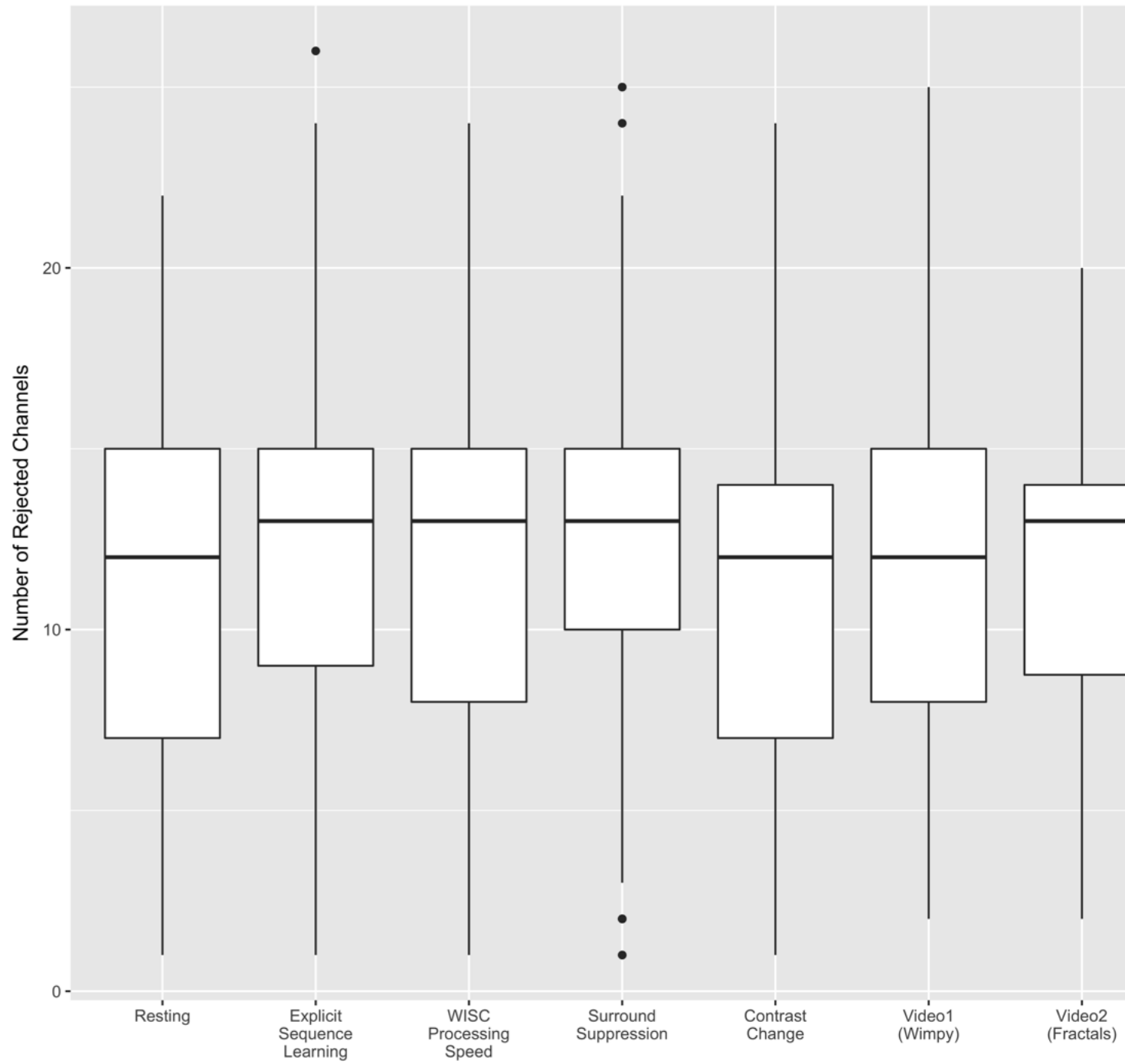 - 1302 Diffusion Scans
  - 300 CBF and ASL Scans

3. Healthy Brain Network

http://fcon_1000.projects.nitrc.org/indi/cmi_healthy_brain_network/

Aim: generate a dataset that captures the broad range of heterogeneity and impairment that exists in developmental psychopathology.
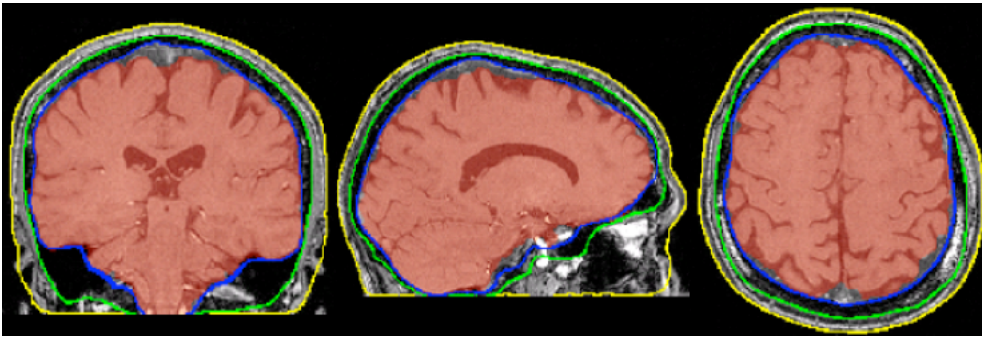
Number of Rejected EEG Channels

4. UK Biobank

https://www.ukbiobank.ac.uk

Data:

- imaging data on 5,000 scanned participants, including 3T MR images of the brain, 1.5T MR images of the heart and body, DXA images of bone and joint, and carotid ultrasound images

Edit By [MaHua](#)