This data release in the folder Functional connectivity contains the connectivity features obtained from Resting-state fMRI data of 4 neurological disorders and their subtypes. The details of the data and the specific folders is given in the table below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Dataset** | **Folder Name** | **Training data** | **Test data** | **Groups** | **Information** |
| ABIDE | Acquisition Site -Unmatched Split | 12 of 15 institutions | 3 of 15 institutions | Controls, Autism, Aspergers | 80% of the data for Training and 20% of the data for testing  Static Functional Connectivity features which are significantly different between the groups.  Timeseries used to obtain SFC was deconvolved using non-filtered data |
| Matched Split | Matched data | Matched data |
| Age-Unmatched Split | Ages 7 to 21 only  (range 7 to 58) | Ages 22 to 58 only  (range 7 to 58) |
| ADHD-200 | ADHD-200 Split | Training data of ADHD competition | Testing data of ADHD competition | Controls, ADHD-C, ADHD-H, ADHD-I |
| ADNI | Age -Unmatched Split | Ages 56 to 76 only (range 56 to 88) | Ages 77 to 88 only (range 56 to 88) | Controls, EMCI, LMCI, AD |
| Age -Matched Split | Matched data | Matched data |
| PTSD | Age -Unmatched Split | Ages 23 to 37 only (range 23 to 53) | Ages 23 to 37 only (range 23 to 53) | Controls, PTSD, PCS\_PTSD |
| Age -Matched Split | Matched data | Matched data |

ABIDE-Autism Brain Imaging Data Exchange, ADNI-Alzheimer’s Disease Neuroimaging Initiative, ADHD-Attention deficit hyperactivity disorder, PTSD-Post traumatic stress disorder, EMCI-Early mild cognitive impairment, LMCI-Late mild cognitive impairment, AD-Alzheimer’s disease

The folder ROI label contains the ROI labels and coordinates for the ROIs which are used to calculate functional connectivity features.