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| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2017-2020 | | FG-AI4H-E-027 | |
| **ITU-T Focus Group on AI for Health** | |
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| **DOCUMENT** | | | | |
| **Source:** | | Laboratory for Research in Neuroimaging, Department of Clinical Neurosciences, Faculty of Biology and Medicine, UNIL Centre Hospitalier Universitaire Vaudois (CHUV) | | |
| **Title:** | | TG-Cogni: Data submission | | |
| **Purpose:** | | Discussion | | |
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| **Abstract:** | This document expressed the willingness of the submutters to provide data for the TG-Coni work and requests clarification of the process for such a submission. |

**Data submission**

In connection with TG-Cogni, Laboratory for Research in Neuroimaging is willing to share a representative sample data set which include both real world patient’s data and data collected from research cohorts. The data include clinical scores, diagnostic, cognitive measures and biological measures (PET, MRI, fMRI, lab results).

We have already collected data on more than 6000 patients on dementia (one of the largest patients’ cohort) at different stages of the disease (subjective complains, mild impairments or demented).

We kindly ask the FG-AI4H to issue a procedure on how we share our dataset.

Data structure

|  |  |  |
| --- | --- | --- |
| Diagnostic | Dementia stage (HC; MCI, AD) | categorical |
| Demography | Age | continuous |
| Gender | categorical |
| Education level | categorical |
| Education years | continuous |
| CSF-Biomarkers | Ab1\_40 | continuous |
| Ab1\_42 | continuous |
| Tau | continuous |
| genetic | Apoe4 | categorical |
| Neuropsychology Score | ADAS | continuous |
| MMSE | continuous |
| MOCA | continuous |
| Brain Features (Volumes) | Left Accumbens Area | continuous |
| Left Anterior Cingulate Gyrus | continuous |
| Left Anterior Insula | continuous |
| Left Amygdala | continuous |
| Left Angular Gyrus | continuous |
| Left anterior Orbital Gyrus | continuous |
| Left Basal Forebrain | continuous |
| Left Calcarine cortex | continuous |
| Left caudate | continuous |
| Left Cerebellum Exterior | continuous |
| Left cerebellum White Matter | continuous |
| Left cerebral White Matter | continuous |
| Left co Central Operculum | continuous |
| Left cun Cuneus | continuous |
| Left Ententorhinal Area | continuous |
| Left fo Frontal Operculum | continuous |
| Left frp Frontal Pole | continuous |
| Left fug Fusiform Gyrus | continuous |
| Left gre Gyrus Rectus | continuous |
| Left hippocampus | continuous |
| Left inflatvent | continuous |
| Left iog Inferior Occipital Gyrus | continuous |
| Left itg Inferior Temporal Gyrus | continuous |
| Left Lateralventricle | continuous |
| Left liglingual Gyrus | continuous |
| Left lorg Lateral Orbital Gyrus | continuous |
| Left mcgg Middlecingulate Gyrus | continuous |
| Right mfc Medial Frontalcortex | continuous |
| Left mfc Medial Frontalcortex | continuous |
| Left mfg Middle Frontal Gyrus | continuous |
| Left mog Middle Occipital Gyrus | continuous |
| Left morg Medial Orbital Gyrus | continuous |
| Left mpog Post-Central Gyrus Medial Segment | continuous |
| Left mprg PreCentral Gyrus Medial Segment | continuous |
| Left msfg Superior Frontal Gyrus Medial Segment | continuous |
| Left mtg Middle Temporal Gyrus | continuous |
| Left ocp Occipital Pole | continuous |
| Left ofug Occipital Fusiform Gyrus | continuous |
| Left opifgopercularpartofthe Inferior Frontal Gyrus | continuous |
| Left orifg Orbitalpartofthe Inferior Frontal Gyrus | continuous |
| Left pallidum | continuous |
| Left pcggposteriorcingulate Gyrus | continuous |
| Left pcuprecuneus | continuous |
| Left phgparahippocampal Gyrus | continuous |
| Left pinsposteriorinsula | continuous |
| Left pog Post-Central Gyrus | continuous |
| Left poparietal Operculum | continuous |
| Left porgposterior Orbital Gyrus | continuous |
| Left ppplanumpolare | continuous |
| Left prg PreCentral Gyrus | continuous |
| Left pt Planum Temporale | continuous |
| Left Putamen | continuous |
| Left sca subcallosal Area | continuous |
| Left sfg Superior Frontal Gyrus | continuous |
| Left sm csupplementarymotorcortex | continuous |
| Left smg supramarginal Gyrus | continuous |
| Left sog Superior Occipital Gyrus | continuous |
| Left spl Superior Parietallobule | continuous |
| Left stg Superior Temporal Gyrus | continuous |
| Left thalamus Proper | continuous |
| Left tmp Temporal Pole | continuous |
| Left trifg Triangular part of the Inferior Frontal Gyrus | continuous |
| Left ttg Transverse Temporal Gyrus | continuous |
| Left ventraldc | continuous |
| Lipidemia comorbidity | continuous |
| minimentalstate | continuous |
| Right accumbens Area | continuous |
| Right acgganteriorcingulate Gyrus | continuous |
| Right ainsanteriorinsula | continuous |
| Right amygdala | continuous |
| Right angangular Gyrus | continuous |
| Right aorganterior Orbital Gyrus | continuous |
| Right basalforebrain | continuous |
| Right calccalcarinecortex | continuous |
| Right caudate | continuous |
| Right cerebellum Exterior | continuous |
| Right cerebellum White Matter | continuous |
| Right cerebral White Matter | continuous |
| Right co central Operculum | continuous |
| Right cuncuneus | continuous |
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| Right fo Frontal Operculum | continuous |
| Right frp Frontal Pole | continuous |
| Right fug Fusiform Gyrus | continuous |
| Right gre Gyrus Rectus | continuous |
| Right hippocampus | continuous |
| Right inflatvent | continuous |
| Right iog Inferior Occipital Gyrus | continuous |
| Right itg Inferior Temporal Gyrus | continuous |
| Right Lateral ventricle | continuous |
| Right lig lingual Gyrus | continuous |
| Right lorg Lateral Orbital Gyrus | continuous |
| Right mcgg Middlecingulate Gyrus | continuous |
| Right mfc Medial Frontalcortex | continuous |
| Right mfg Middle Frontal Gyrus | continuous |
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| Right pcgg Posteriorcingulate Gyrus | continuous |
| Right pcu pPrecuneus | continuous |
| Right phg parahippocampal Gyrus | continuous |
| Right pinsposteriorinsula | continuous |
| Right pog Post-Central Gyrus | continuous |
| Right po Parietal Operculum | continuous |
| Right porg Posterior Orbital Gyrus | continuous |
| Right ppplanumpolare | continuous |
| Right prg PreCentral Gyrus | continuous |
| Right ptplanum Temporale | continuous |
| Right putamen | continuous |
| Right scasubcallosal Area | continuous |
| Right sfg Superior Frontal Gyrus | continuous |
| Right smc Supplementary motorcortex | continuous |
| Right smg Supramarginal Gyrus | continuous |
| Right sog Superior Occipital Gyrus | continuous |
| Right spl Superior Parietallobule | continuous |
| Right stg Superior Temporal Gyrus | continuous |
| Right thalamus proper | continuous |
| Right tmp Temporal Pole | continuous |
| Right trifgtriangularpartofthe Inferior Frontal Gyrus | continuous |
| Right ttgtransverse Temporal Gyrus | continuous |

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