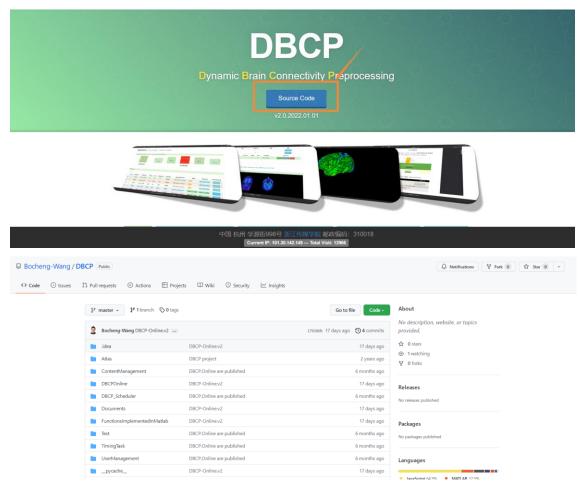
DBCP Documentation

1. In homepage of DBCP project (http://dbcp.cuz.edu.cn/), click the 'Source Code' button to view the source code on Github.com.



2. Choose Login in or Registration



3. On the registration page, enter user's name, password, confirmation password, email address, organization, usage, and verification code to complete the registration. The registration request will be automatically sent to backend website manager to confirm.



4. Enter the username and password to log in to DBCP.

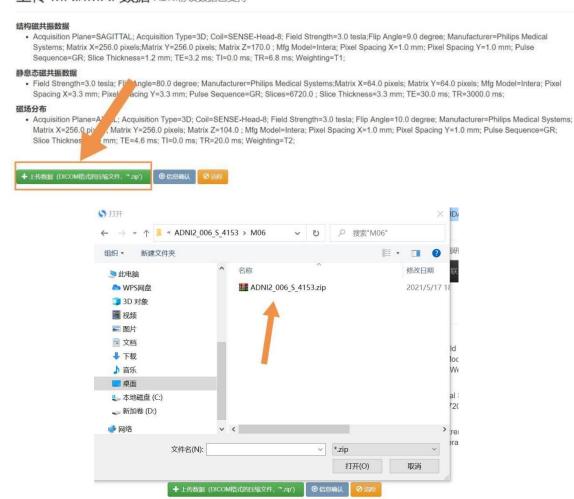


5. DBCP-Online Data preparation page will be displayed



6. The interface is mainly divided into three parts: MRI/fMRI Upload, Data Management and Visualization. In the MRI/fMRI Upload section, click "+upload data (DICOM format compressed file,' *. zip')", and select upload compressed file in the pop-up interface. The zipped file should be renamed as 'ADNI version' with the subject ID, such as 'ADNI2_010_S_2131.zip'. Incorrect naming would not be processed in DBCP.

上传 MRI/fMRI 数据 ADNI协议数据已支持



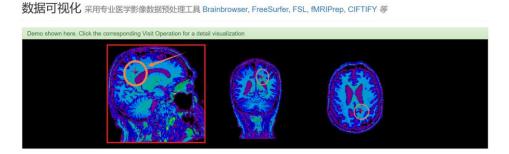
7. For the selected compressed ADNI data, fill in the information of clinical diagnosis, visit time and age, and then click "Start Upload" to upload the data, or click "Cancel" to cancel the upload.



8. . Check that the compressed file size ranges from tens of Mb to hundreds of Mb, and the upload time is about 10-20 minutes. After the data upload is completed, you can see the relevant information of the uploaded data in the Data Management section. Click the "Modification" button or the "+"on the left side to display the visualization and deletion operations.



9. In the Visualization part, the corresponding side view, back view, and top view of the sample are displayed. The cursor stays on the corresponding sample legend to change the size of the sample. Click one sample icon to change the position of the red cross mark. You can see the change of the position of the corresponding red cross mark in the other two samples. Click the corresponding access operation to view the detailed information.



10. The Data Preprocessing interface is divided into two parts: Brain Connectivity and Preprocessing Queue.



11. The Brain Connection part shows static brain connectivity and dynamic brain connectivity.



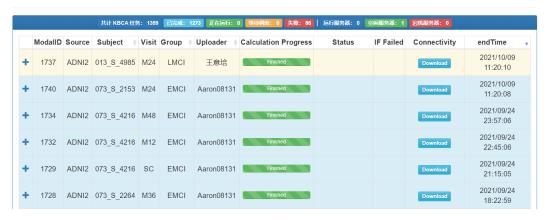
12. The Preprocessing Queue part can display relevant information of uploaded data

and download progress of static and dynamic brain connection of uploaded data, and the preprocessing time is generally 4-6 hours. Click the Download button to download the brain connectivity data.



13. The KBCA Analysis interface displays the current KBCA tasks, including the number of tasks that have been completed, are running, are waiting to be scheduled and failed, and the number of running servers, idle servers and down servers.

KBCA Analysis KBCA Analysis



14. The navigation bar at the top of the page contains DBCP project, DBCP project homepage, project introduction, project team members, research status and achievements, DBCP-Online and contact us options. In the research status and achievements interface, the current research progress is displayed, including related papers and research foundations. You can jump to the corresponding articles by clicking the title.

研究进展 * 博导--作、通信

2021

Sheng J*, Wang B, Zhang Q, et al. Identifying and characterizing different stages toward Alzheimer's disease using ordered core features and machine learning[J]. Heliyon, 2021: e07287.

2020

. Sheng J*, Liu Q, Wang B, et al. Characteristics and variability of functional brain networks[J]. Neuroscience letters, 2020, 729: 134954.

2019

- Sheng J*, Wang B, Zhang Q, et al. A novel joint HCPMMP method for automatically classifying Alzheimer's and different stage MCI patients[J].
 Behavioural brain research. 2019. 365: 210-221.
- Sheng J*, Wang B, Ma Y, et al. Improved parallel MR imaging with accurate coil sensitivity estimation using iterative adaptive support[J]. Biomedical Signal Processing and Control, 2019, 51: 73-81.

研究基础

• 本项目负责人及项目组成员具备较高科研素质,从事多年科学研究,作为主要成员负责/参与多项国家、省部级科研项目和系统研发。 自2018年以来,项目负责人作为主要成员参与国家自然科学基金面上资助项目《联合脑成像网络与基因分析预测阿尔茨海默症》,在多模

中国 杭州 学源街998号 浙江传媒学院 邮政编码: 310018 Current IP: 101.30,142.149 — Total Visit: 13001

