脑电数据集汇总网站：

GitHub：<https://github.com/meagmohit/EEG-Datasets>

<https://sccn.ucsd.edu/~arno/fam2data/publicly_available_EEG_data.html>

CSDN神经科学工具箱：<https://blog.csdn.net/xj4math/article/details/119299776>

脑机接口：<https://blog.csdn.net/zyb228/article/details/121571655>

悦影科技：<https://www.jianshu.com/p/5ca22731014d>

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| 脑电数据库 | | | | | |
| Number | Name | Number of subjects | Number of samples | Website |  |
| 1 | Neuroinformatics database, NIDB |  |  | https://nda.nih.gov/ | 零散数据集（整合难度大） |
| 2 | OpenNEURO |  |  | https://openneuro.org/ | 零散数据集 |
| 3 | figshare |  |  | https://figshare.com/search?q=EEG&itemTypes=3 | 零散数据集（整合难度大） |
| 4 | EEGbase |  | 500+ | http://eegdatabase.kiv.zcu.cz/ | 详细描述的零散数据 |
| 5 | BNCIHorizon 2020 |  | About 200 | http://bnci-horizon-2020.eu/ | 详细描述的零散数据 |
| 6 | PhysioNet |  |  | https://physionet.org/about/database/ | 详细描述的零散数据 |
| 7 | bnci-horizon-2020 |  | About 300 | http://bnci-horizon-2020.eu/database/data-sets |  |
| 8 | HEADIT |  |  | https://headit.ucsd.edu/studies | 详细描述 |
| 9 | physionet |  |  | https://www.physionet.org/data/#neuro |  |
| 10 | predict |  |  | http://predict.cs.unm.edu/downloads.php |  |
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| 运动想象数据集 | | | | |
| 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |  |
| Left/Right Hand MI | 52/ |  | http://gigadb.org/dataset/100295 |  |
| EEG Motor Movement/Imagery Dataset | 109/1500 | 64/160 | https://www.physionet.org/content/eegmmidb/1.0.0/ |  |
| Grasp and Lift EEG Challenge | 12/12\*10\*30 | 32/500 | https://www.kaggle.com/c/grasp-and-lift-eeg-detection/data |  |
| The largest SCP data of Motor-Imagery | 13/ |  | https://doi.org/10.6084/m9.figshare.c.3917698 |  |
| BCI Competition IV-1 | 7/ | 64/1000 | https://www.bbci.de/competition/iv/#dataset1 |  |
| BCI Competition IV-2a | 9/ | 22/250 | http://www.bbci.de/competition/iv/#dataset2a |  |
| BCI Competition IV-2b | 9/ | 3/250 | http://www.bbci.de/competition/iv/#dataset2b |  |
| High-Gamma Dataset |  |  | https://github.com/robintibor/high-gamma-dataset |  |
| Left/Right Hand 1D/2D movements | 1/ | 19/500 | https://sites.google.com/site/projectbci/ |  |
| Imagination of Right-hand Thumb Movement | 1/5 | 8/256 | https://archive.ics.uci.edu/ml/datasets/Planning+Relax |  |

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| 情感脑电数据集 | | | | |
| 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |  |
| Emotion Detection in the Loop from Brain Signals and Facial Images | 5 | 64/1024 | http://www.enterface.net/enterface06/docs/results/reports/project7.pdf |  |
| Imagined Emotion | 31/31\*32 | 256/ | http://headit.ucsd.edu/studies/3316f70e-35ff-11e3-a2a9-0050563f2612 |  |
| NeuroMarketing | 网站访问权限需申请 |  | https://drive.google.com/open?id=0B2T1rQUvyyWcSGVVaHZBZzRtTms |  |
| SEED |  |  | http://bcmi.sjtu.edu.cn/~seed/seed.html |  |
| SEED-IV |  |  | http://bcmi.sjtu.edu.cn/~seed/seed-iv.html |  |
| SEED-VIG |  |  | http://bcmi.sjtu.edu.cn/~seed/seed-vig.html |  |
| HCI-Tagging | 30/ | 32/ | https://mahnob-db.eu/hci-tagging/ |  |
| REGULATION OF AROUSAL | 40 | 64/ | https://ieee-dataport.org/open-access/regulation-arousal-online-neurofeedback-improves-human-performance-demanding-sensory |  |

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| **误差相关电位(ErrP)** | | | |
| 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |
| BCI-NER Challenge | 26健康/ | 56/600 | https://www.kaggle.com/c/inria-bci-challenge |
| ErrPs during continuous feedback | 10/ | 28/ | Dataset Part-1]: https://www-ti.informatik.uni-tuebingen.de/~spueler/eeg\_data/Continous\_ErrP\_dataset\_Part1.rar) Dataset Part-2]: https://www-ti.informatik.uni-tuebingen.de/~spueler/eeg\_data/Continous\_ErrP\_dataset\_Part2.rar) |
| HCI-Tagging | 30/ | 32/ | https://mahnob-db.eu/hci-tagging/ |

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|  | 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |
| **视觉诱发电位(VEPs)** | SSVEP - Visual Search/Discrimination and Handshake | 30/ | 14/ | https://archive.ics.uci.edu/ml/datasets/EEG+Steady-State+Visual+Evoked+Potential+Signals |
| **休息状态** | EID-M, EID-S | 8/ | 64/160 | https://drive.google.com/drive/folders/1t6tL434ZOESb06ZvA4Bw1p9chzxzbRbj |
| **音乐与EEG** | Music Imagery Information Retrieval | 10/10\*12 |  | https://github.com/sstober/openmiir |
| **眨眼/动作** | EEG-IO | 20 |  | https://gnan.ece.gatech.edu/eeg-eyeblinks/ |
| **眨眼/动作** | EEG-VV, EEG-VR | 12 |  | https://gnan.ece.gatech.edu/eeg-eyeblinks/ |

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| 其他数据集 | | | |
| 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |
| MNIST Brain Digits | 1/1,207,293\*2秒 | 19/ | http://mindbigdata.com/opendb/index.html |
| Imagenet Brain | 1/**70,060\*3秒** |  | http://www.mindbigdata.com/opendb/imagenet.html |
| Working Memory | 13/2670 |  | https://github.com/pbashivan/EEGLearn/tree/master/Sample%20data |
| Genetic Predisposition to Alcoholism | 122/122\*120 | 64/256 | https://archive.ics.uci.edu/ml/datasets/EEG+Database |
| MIPDB | 120+ |  | http://fcon\_1000.projects.nitrc.org/indi/cmi\_eeg/eeg.html |
| **HCI Tagging database** | 30 | 32 | https://mahnob-db.eu/hci-tagging/ |
| **颅内脑电图** | 251 |  | https://memory.psych.upenn.edu/RAM |
| EEG reflects semantic processing of continuous natural speech | 19 |  | https://datadryad.org/stash/dataset/doi:10.5061/dryad.070jc |
| gigadb | 40+ |  | http://gigadb.org/search/new?keyword=eeg |
| 正常和ADHD | 61+60 | 19/128 | https://ieee-dataport.org/open-access/eeg-data-adhd-control-children |
| 压力检测 | 30 |  | https://ieee-dataport.org/documents/ecg-and-eeg-features-during-stress |
|  | 56 | 206/512 | https://ieeexplore.ieee.org/document/8616018 |

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| 临床脑电图 | | | |
| 名称 | 受试数/样本量 | 通道数/采样率 | 网址 |
| TUH EEG Resources | 26,846 |  | https://www.isip.piconepress.com/projects/tuh\_eeg/html/downloads.shtml |

最多可能的通道：256

脑电设备购买：https://www.gtec.at/