DATA COLLECTION :

1. PD Interval Timing Dataset :
https://unmm-my.sharepoint.com/personal/jcavanagh_unm_edu/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fjcavanagh%5Funm%5Fedu%2FDocuments%2FPD%20Interval%20Timing%20NPJ&ga=1
----> This dataset mainly provides EEG recordings while subjects perform timing-based cognitive tasks.
----->The PD Interval Timing dataset shows how PD affects the brain's timing mechanisms by recording EEG during tasks where subjects must estimate time, revealing both behavioral impairments and neural abnormalities.

Number of subjects: 129
Number of PD : 92
Number of Healthy Controls : 37
Number of channels: 64
Total EEG duration samples(raw data): 733,750 continuous EEG data stream
Sampling Rate [Hz]: 500
EEG Duration : 24.46 minutes
Sampling Interval [µS]: 2000
Number of classes : 7
Number of event samples(trails) for each class for a subject :

Class	Count
Stimulus/S 1	**40**
Stimulus/S 2	**40**
Stimulus/S 3	**80**
Stimulus/S 4	**76**
Stimulus/S 5	**75**
Stimulus/S 6	**547**
Stimulus/S 7	**23**
Total trials	**881**

The number of samples per class varies for each subject

2. **Rest eyes open - Parkinsons Disease 64-Channel EEG :**
https://www.kaggle.com/datasets/anthonyylee/rest-eyes-open-parkinsons-disease-64-channel-eeg
----> This dataset contains resting-state EEG recordings collected from Parkinson's disease patients and healthy controls while they sit quietly with eyes open.

Number of subjects: 149
Number of PD : 100
Number of Healthy Controls : 49
Number of channels: 64
No task classes since rest data . Two total events - start , end
Total samples in EEG(data points) :64,210 samples
EEG duration : 2 min 8 sec

3. PPMI (Parkinson's Progression Markers Initiative) :
----> PPMI is a huge, multi-center dataset created to discover biomarkers for early Parkinson's disease, containing MRI, DaTScan, clinical scores, genetics, and long-term follow-up data — the most comprehensive PD research dataset in the world.