

EEG Project Report

EEG Project Report (Place holder)

分析员: _____

校对员: _____

制表员: _____

日期: 2025-05-13T14:47:19.340282

**** File ****

File (1)

path: D:\脑机接口专项-样例库-202502\SSVEP\SSVEP_1_样例_134人次\BW\S001\data.bdf

status: passed

checks: {'ch_names': ['Fpz', 'Fp1', 'Fp2', 'AF3', 'AF4', 'AF7', 'AF8', 'Fz', 'F1', 'F2', 'F3', 'F4', 'F5', 'F6', 'F7', 'F8', 'FCz', 'FC1', 'FC2', 'FC3', 'FC4', 'FC5', 'FC6', 'FT7', 'FT8', 'Cz', 'C1', 'C2', 'C3', 'C4', 'C5', 'C6', 'T7', 'T8', 'CP1', 'CP2', 'CP3', 'CP4', 'CP5', 'CP6', 'TP7', 'TP8', 'Pz', 'P3', 'P4', 'P5', 'P6', 'P7', 'P8', 'POz', 'PO3', 'PO4', 'PO5', 'PO6', 'PO7', 'PO8', 'Oz', 'O1', 'O2', 'ECG', 'HEOR', 'HEOL', 'VEOU', 'VEOL'], 'sfreq': 1000.0, 'event_id': {np.str_('1'): 1, np.str_('10'): 2, np.str_('101'): 3, np.str_('102'): 4, np.str_('103'): 5, np.str_('104'): 6, np.str_('105'): 7, np.str_('106'): 8, np.str_('107'): 9, np.str_('108'): 10, np.str_('109'): 11, np.str_('11'): 12, np.str_('110'): 13, np.str_('111'): 14, np.str_('112'): 15, np.str_('113'): 16, np.str_('114'): 17, np.str_('115'): 18, np.str_('116'): 19, np.str_('117'): 20, np.str_('118'): 21, np.str_('119'): 22, np.str_('12'): 23, np.str_('120'): 24, np.str_('121'): 25, np.str_('122'): 26, np.str_('124'): 27, np.str_('125'): 28, np.str_('126'): 29, np.str_('127'): 30, np.str_('128'): 31, np.str_('129'): 32, np.str_('13'): 33, np.str_('130'): 34, np.str_('131'): 35, np.str_('132'): 36, np.str_('133'): 37, np.str_('134'): 38, np.str_('135'): 39, np.str_('136'): 40, np.str_('137'): 41, np.str_('138'): 42, np.str_('139'): 43, np.str_('14'): 44, np.str_('140'): 45, np.str_('15'): 46, np.str_('16'): 47, np.str_('17'): 48, np.str_('18'): 49, np.str_('19'): 50, np.str_('2'): 51, np.str_('20'): 52, np.str_('21'): 53, np.str_('22'): 54, np.str_('23'): 55, np.str_('24'): 56, np.str_('241'): 57, np.str_('242'): 58, np.str_('243'): 59, np.str_('25'): 60, np.str_('250'): 61, np.str_('251'): 62, np.str_('26'): 63, np.str_('27'): 64, np.str_('28'): 65, np.str_('29'): 66, np.str_('3'): 67, np.str_('30'): 68, np.str_('31'): 69, np.str_('32'): 70, np.str_('33'): 71, np.str_('34'): 72, np.str_('35'): 73, np.str_('36'): 74, np.str_('37'): 75, np.str_('38'): 76, np.str_('39'): 77, np.str_('4'): 78, np.str_('40'): 79, np.str_('5'): 80, np.str_('6'): 81, np.str_('7'): 82, np.str_('8'): 83, np.str_('9'): 84}, 'total_length': np.float64(2618.392)}

suspects: {'channels': [], 'sfreq': [], 'n_events': [], 'total_length': [], 'min_gap': []}

evt_path: D:\脑机接口专项-样例库-202502\SSVEP\SSVEP_1_样例_134人次\BW\S001\evt.bdf

short_name: SSVEP/SSVEP_1_样例_134人次/BW/S001/data.bdf

protocol: SSVEP

format: .bdf

**** Preprocess ****

```
eventIds: ['1', '2', '3', '4', '5', '6', '7', '8', '9', '10', '11', '12', '13', '14', '15', '16', '17', '18', '19', '20',
'21', '22', '23', '24', '25', '26', '27', '28', '29', '30', '31', '32', '33', '34', '35', '36', '37', '38', '39', '40',
'41', '42', '43', '44', '45', '46', '47', '48', '49', '50', '51', '52', '53', '54', '55', '56', '57', '58', '59', '60',
'61', '62', '63', '64', '65', '66', '67', '68', '69', '70', '71', '72', '73', '74', '75', '76', '77', '78', '79', '80',
'81', '82', '83', '84', '85', '86', '87', '88', '89', '90', '91', '92', '93', '94', '95', '96', '97', '98', '99',
'100', '101', '102', '103', '104', '105', '106', '107', '108', '109', '110', '111', '112', '113', '114',
'115', '116', '117', '118', '119', '120', '121', '122', '123', '124', '125', '126', '127', '128', '129',
'130', '131', '132', '133', '134', '135', '136', '137', '138', '139', '140', '141', '142', '143', '144',
'145', '146', '147', '148', '149', '150', '151', '152', '153', '154', '155', '156', '157', '158', '159',
'160', '161', '162', '163', '164', '165', '166', '167', '168', '169', '170', '171', '172', '173', '174',
'175', '176', '177', '178', '179', '180', '181', '182', '183', '184', '185', '186', '187', '188', '189',
'190', '191', '192', '193', '194', '195', '196', '197', '198', '199', '200', '201', '202', '203', '204',
'205', '206', '207', '208', '209', '210', '211', '212', '213', '214', '215', '216', '217', '218', '219',
'220', '221', '222', '223', '224', '225', '226', '227', '228', '229', '230', '231', '232', '233', '234',
'235', '236', '237', '238', '239', '240']
```

```
epochTimes: {'tmin': 0.2, 'tmax': 4.0}
```

```
freqBand: {'l_freq': 6.0, 'h_freq': 90.0, 'picks': ['PO3', 'PO5', 'POZ', 'PO4', 'PO6', 'O1', 'OZ', 'O2'],
'n_jobs': 16}
```

```
channels: ['PO3', 'PO5', 'POZ', 'PO4', 'PO6', 'O1', 'OZ', 'O2']
```

```
reject: {'eeg': 0.4}
```

```
epochsKwargs: {'baseline': (None, 0), 'detrend': 1, 'decim': 4, 'event_repeated': 'drop'}
```

```
otherOptions: {'ref_channels': []}
```

**** Epochs ****

Epochs (1)

```
EventId: {'1': 1, '10': 2, '101': 3, '102': 4, '103': 5, '104': 6, '105': 7, '106': 8, '107': 9, '108': 10, '109': 11, '11': 12, '110': 13, '111': 14, '112': 15, '113': 16, '114': 17, '115': 18, '116': 19, '117': 20, '118': 21, '119': 22, '12': 23, '120': 24, '121': 25, '122': 26, '124': 27, '125': 28, '126': 29, '127': 30, '128': 31, '129': 32, '13': 33, '130': 34, '131': 35, '132': 36, '133': 37, '134': 38, '135': 39, '136': 40, '137': 41, '138': 42, '139': 43, '14': 44, '140': 45, '15': 46, '16': 47, '17': 48, '18': 49, '19': 50, '2': 51, '20': 52, '21': 53, '22': 54, '23': 55, '24': 56, '25': 60, '26': 63, '27': 64, '28': 65, '29': 66, '3': 67, '30': 68, '31': 69, '32': 70, '33': 71, '34': 72, '35': 73, '36': 74, '37': 75, '38': 76, '39': 77, '4': 78, '40': 79, '5': 80, '6': 81, '7': 82, '8': 83, '9': 84}
```

[illegible]

highpass: 6.0

lowpass: 90.0

meas date: 2022-04-23 09:40:38+00:00

```
subject_info: {'his_id': 'P202204230940342705', 'sex': 2, 'last_name': '??', 'birthday':  
datetime.date(1990, 1, 1)}
```

```
{'cal': 1.0, 'logno': 51, 'scanno': 51, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'PO3', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([-0.0386246, -0.06736158, 0.08241555, 0., 0., 0., nan, nan, nan, nan, nan, nan])}, {'cal': 1.0, 'logno': 53, 'scanno': 53, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'PO5', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([-0.0505353, -0.06669109, 0.06678691, 0., 0., 0., nan, nan, nan, nan, nan, nan])}, {'cal': 1.0, 'logno': 50, 'scanno': 50, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'POZ', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([-0.00189982, -0.0680541, 0.09591, 0., 0., 0., nan, nan, nan, nan, nan, nan])}, {'cal': 1.0, 'logno': 52, 'scanno': 52, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'PO4', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([0.03466779, -0.06766214, 0.08164653, 0., 0., 0., nan, nan, nan, nan, nan, nan])}, {'cal': 1.0, 'logno': 54, 'scanno': 54, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'PO6', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([0.04770773, -0.06713848, 0.06692061, 0., 0., 0., nan, nan, nan, nan, nan, nan])}, {'cal': 1.0, 'logno': 58, 'scanno': 58, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'O1', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([-0.03157356, -0.08056835, 0.05478965, 0., 0., 0., nan, nan, nan, nan, nan, nan])}
```

```
{'cal': 1.0, 'logno': 57, 'scanno': 57, 'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'OZ', 'unit': 107 (FIFF_UNIT_V), 'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1
```

```
(FIFFV_COIL_EEG), 'kind': 2 (FIFFV_EEG_CH), 'loc': array([-0.00206025, -0.08278299,
0.06073663, 0. , 0. , 0. , nan, nan, nan, nan, nan, nan]), {'cal': 1.0, 'logno': 59, 'scanno': 59,
'range': 1.0, 'unit_mul': 0 (FIFF_UNITM_NONE), 'ch_name': 'O2', 'unit': 107 (FIFF_UNIT_V),
'coord_frame': 4 (FIFFV_COORD_HEAD), 'coil_type': 1 (FIFFV_COIL_EEG), 'kind': 2
(FIFFV_EEG_CH), 'loc': array([ 0.0276831 , -0.08048884, 0.05473408, 0. , 0. , 0. , nan, nan, nan,
nan, nan, nan])}]}
```

sfreq: 250.0

dev_head_t: head> [[1. 0. 0. 0.] [0. 1. 0. 0.] [0. 0. 1. 0.] [0. 0. 0. 1.]]

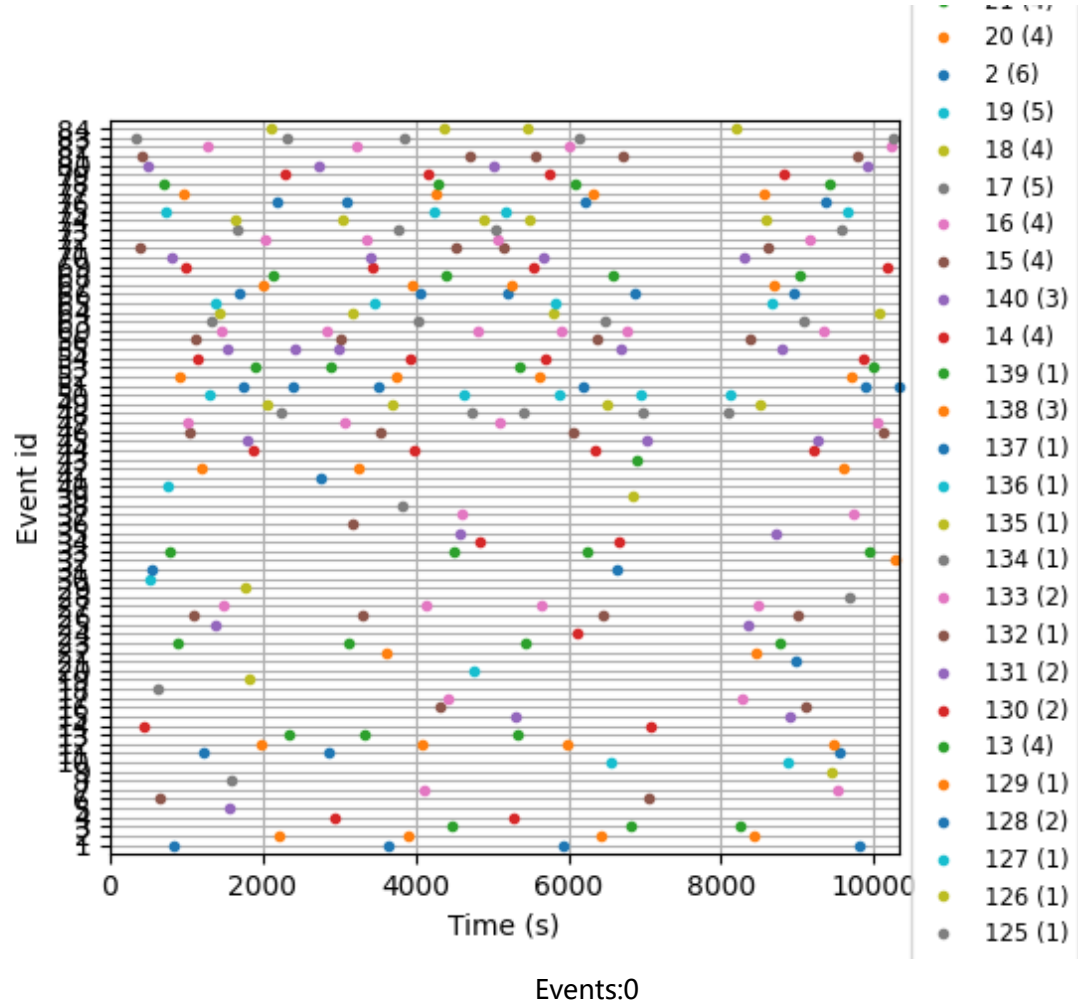
ch_names: ['PO3', 'PO5', 'POZ', 'PO4', 'PO6', 'O1', 'OZ', 'O2']

nchan: 8

ITR: 1.2011468248090411 比特每秒

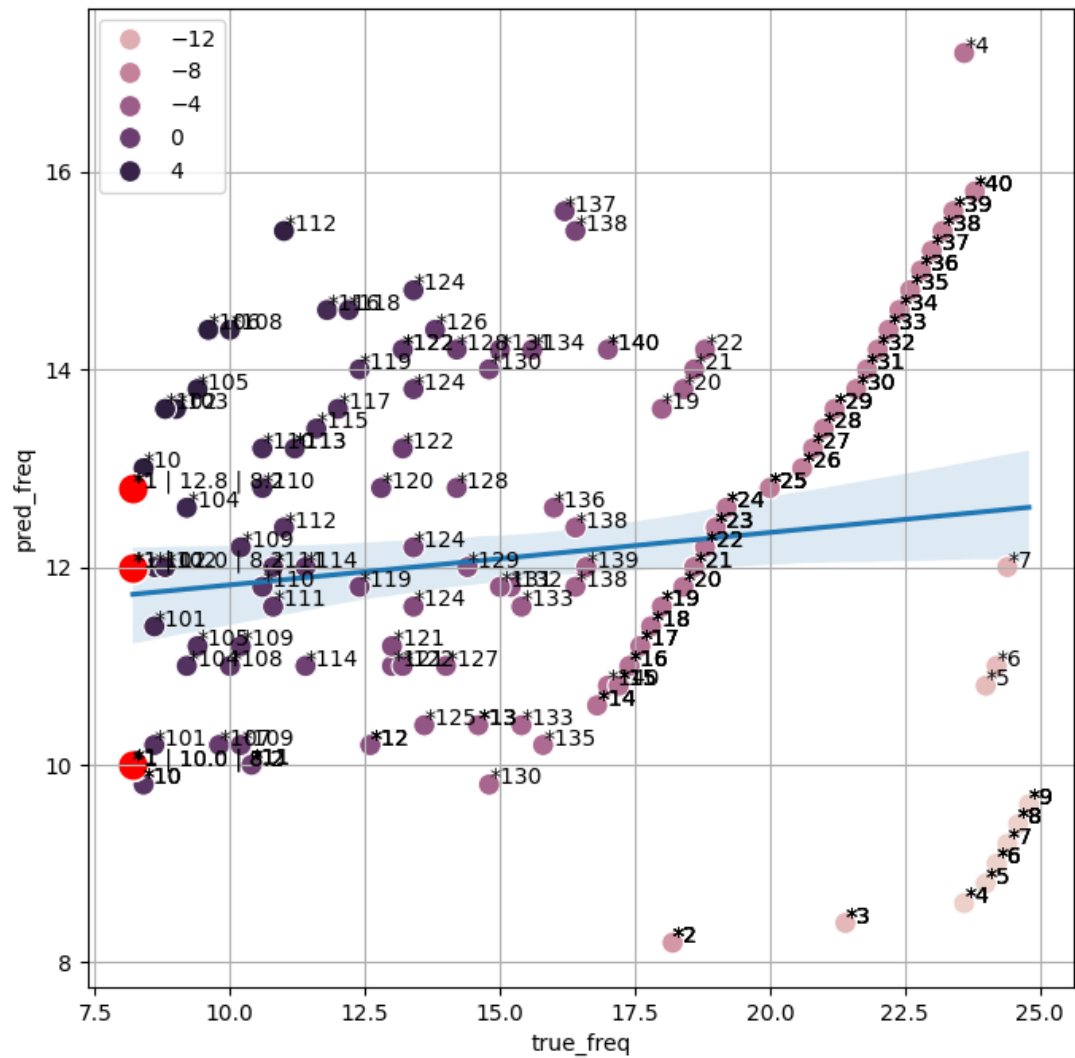
**** Figures ****

Figure: Events:0: Figure(640x480)



Add notes for Events:0

Figure: FBCCA:0:1: Figure(800x800)



FBCCA:0:1

Add notes for FBCCA:0:1

**** Report finishes ****