

CHB-MIT

Overview of Dataset

Data

- **24 cases from 23 pediatric patients** (one patient had a second recording 1.5 years after the first recording [chb01, chb24])
- Each case contains roughly **9-42** continuous .edf recordings and EEG signals were sampled at **256 Hz**
- In most cases each .edf recordings contain exactly **one hour** of digitized EEG signals (**921.600 samples**)
- Most recordings contain **23 signals** resulting in a matrix of typically 23 x 921.600 samples
- The **montage** of the EEG recordings is **bipolar** and the dataset uses the **10-20-system** for electrode annotations

Seizures

	Seizure File	Seizure Start	Seizure End	Seizure Duration
0	chb01_03	2996.0	3036.0	40.0
1	chb01_04	1467.0	1494.0	27.0
2	chb01_15	1732.0	1772.0	40.0
3	chb01_16	1015.0	1066.0	51.0
4	chb01_18	1720.0	1810.0	90.0
5	chb01_21	327.0	420.0	93.0
6	chb01_26	1862.0	1963.0	101.0

- **173 clinical seizures** annotated by experts
- Annotations include **seizure start and end time**
- Seizure duration varies from roughly **5-120 seconds**
- Some .edf recordings **contain more than one seizure**

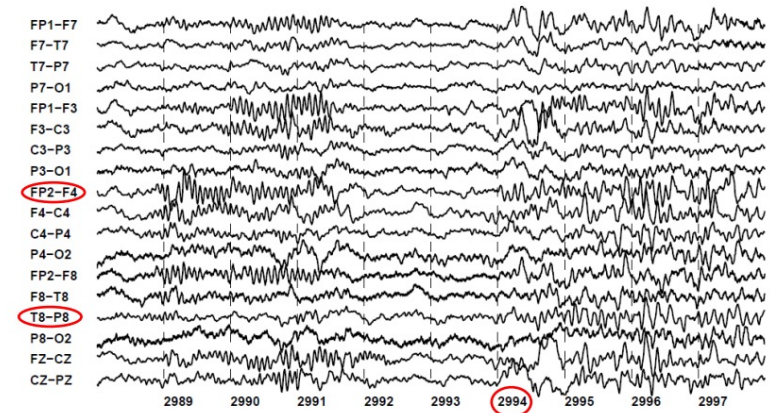


Figure 2. A seizure within the scalp EEG of Patient A (Shoeb, 2009).