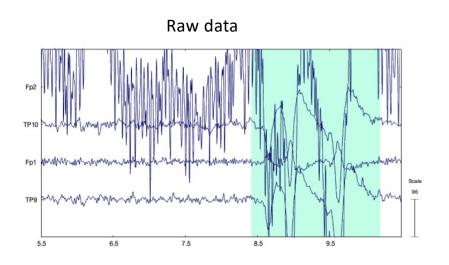
# ASR vs. "ground truth"



#### 45 files for training

	% rejection	vs R1	vs R2	vs R3	Accuracy
R1	43	n/a	78.7	77.9	78.3
R2	46	78.7	n/a	75.9	77.3
R3	35	77.9	75.9	n/a	76.9
No rejection	0	56.9	55.4	66.1	59.5 (55.4-63.0)
ASR (11)	40	80.1	77.8	77.4	78.4 (76.2-80.6)
Spec (10)	28	72.7	70.9	75.9	73.2 (71.1-75.2)
Data limit (60)	51	68.1	65.3	65.6	66.3 (62.6-70.1)

#### 44 files for testing

	% rejection	vs R1	vs R2	vs R3	Accuracy
R1	37	n/a	80.7	79.7	80.2
R2	37	80.7	n/a	78	79.4
R3	30	79.7	78	n/a	78.8
ASR (11)	31	81.9	82.4	80.6	81.6 (79.5 83.6)

A. Delorme and J. A. Martin, "Automated Data Cleaning for the Muse EEG," 2021 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), 2021, pp. 1-5, doi: 10.1109/BIBM52615.2021.9669415.

# Labeling components using ICLabel

## ICLabel Website and Label Collection

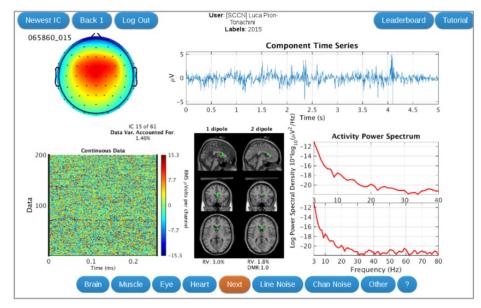
Summary: ask others to help out with labeling EEG components.

Website: <u>labeling.ucsd.edu</u>

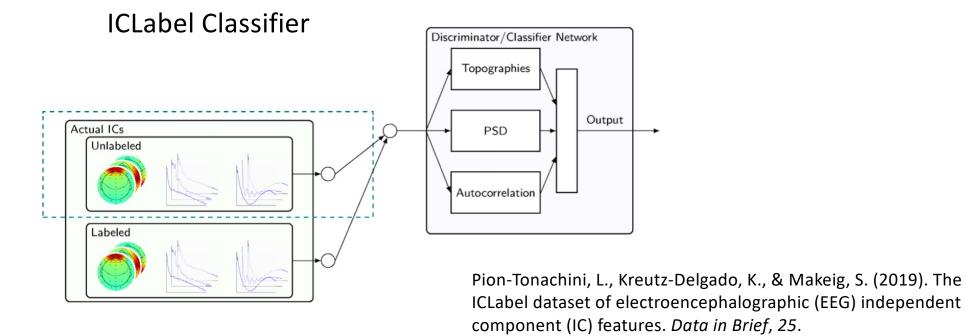
Have experts from the SCCN and elsewhere label a subset.

Ask the EEGLAB community to help label a larger subset.

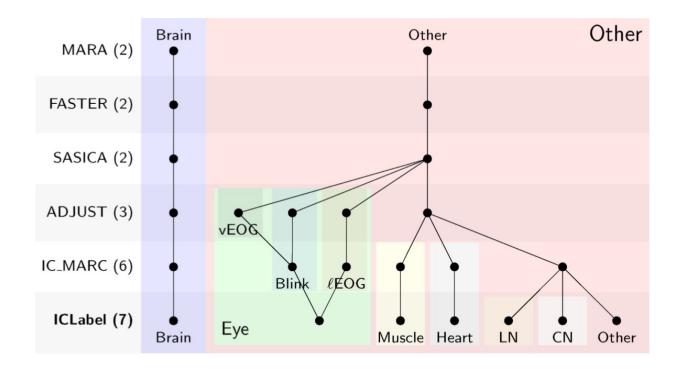
Currently 328 contributing users and 34,000+ submitted labels.



Has been adapted for educational use as well.



https://doi.org/10.1016/j.dib.2019.104101



Every method listed here is available as an EEGLAB plugin!

## **ICLabel Website**

#### Purpose of the website:

Gather IC labels to accompany our vast collection of datasets.

# labeling.ucsd.edu/tutorial

ICLabel Login	
Login	
Need To Register? Forgot Your Password? What Is This Site? Just want to practice? Check Out The Leaderboard!	