

Software tools	Operating platform or system	Main purposes and advantages	Availability
<b>Software tools for wide-ranging purposes in EEG analysis</b>			
Brainstorm (Tadel et al., 2011)	MATLAB and platform-independent (Windows, MacOS, Linux) versions	Preprocessing, brain network connectivity analysis and source analysis, rich and intuitive graphic interface	Open-source
Cartool (Brunet et al., 2011)	Platform-independent on Windows PC	Microstates analysis and source analysis	Open-source
EEGLAB (Delorme & Makeig, 2004)	MATLAB	Preprocessing, ICA, time/frequency and ERP analysis, dipole fitting source localization, rich and intuitive graphic interface	Open-source
ERPLAB (Lopez-Calderon & Luck, 2014)	MATLAB	ERP Analysis and visualization	Open-source
Fieldtrip (Oostenveld et al., 2011)	MATLAB	Preprocessing, time/frequency, ERP and brain network connectivity analysis, source analysis, and statistical analysis	Open-source
BEASA ( <a href="https://www.besa.de/">https://www.besa.de/</a> )	Platform-independent on Windows PC	Brain network connectivity and source analysis	Commercial
MNE (Gramfort et al., 2014)	Python (MNE-python) or macOS and Linux (MNE-C)	Preprocessing, time/frequency, ERP and brain network connectivity analysis, source analysis, and statistical analysis	Open-source
<b>Software tools and pipelines for data preprocessing</b>			
ADJUST (Mognon et al., 2011)	MATLAB	Preprocessing and ICA pruning	Open-source
Faster (Nolan et al., 2010)	MATLAB	Preprocessing and ICA pruning	Open-source
HAPPE (Garbard-Durnam et al., 2018)	MATLAB	Preprocessing and ICA pruning	Open-source
MADE (Debnath et al., 2020)	MATLAB	Preprocessing and ICA pruning	Open-source

MARA (Winkler et al., 2014)	MATLAB	Preprocessing and ICA pruning	Open-source
PREP (Bigdely-Shamlo et al., 2015)	MATLAB	Preprocessing and ICA pruning	Open-source
SASICA (Chaumon et al., 2015)	MATLAB	Preprocessing and ICA pruning	Open-source