

Indications for Use



BESA Statistics is a software-only product compatible with personal computers running under a Windows operating system or an emulator thereof. The software is intended (a) to find reliable differences between EEG / MEG data of two or more groups / conditions, and (b) to look for reliable correlations between EEG / MEG data and an external factor using a cluster-permutation approach.

It is possible to compute cross-subject statistics of event-related potentials / fields (ERP / ERF), source waveforms, images, time-frequency data, coherence values and (inter-trial) phase-locking values.

The statistical method is permutation testing on the basis of t-tests, F-tests, or correlations. If applicable, permutation tests run on temporal, frequency and / or spatial clusters, thus enabling the best-possible control of multiple comparisons without restricting statistical power unnecessarily.

BESA Statistics integrates optimally with data that were analyzed in BESA Research, but it can also process data from other software packages as long as they conform to the BESA Statistics file format.

The intended user is a neuroscience professional with a basic understanding of statistical methods applied to experiments in neurophysiology.

It is not allowed to use the BESA Statistics software directly or indirectly for medical diagnosis and/or treatment of humans. BESA GmbH is not liable for the use of the software beyond the intended research purpose.

BESA Statistics software is licensed for research use only.