**LedaLab**

Matlab-based software for the analysis of skin conductance data

<http://www.ledalab.de/>

<https://github.com/ledalab/ledalab>

<https://support.empatica.com/hc/en-us/articles/202872739-Recommended-tools-for-signal-processing-and-data-analysis>

**Kubios**

Kubios HRV software is the market leader in heart rate variability analysis software for scientific research and professional use. **[Kubios HRV Standard](https://www.kubios.com/hrv-standard/)** is a freeware HRV analysis software for non-commercial personal use. By upgrading to **[Kubios HRV Premium](https://www.kubios.com/hrv-premium/)**, our full featured HRV analysis software designed for scientific research and professional use, you have access to the most detailed heart rate variability analysis on the market with over 40 analysis parameters.

<https://www.kubios.com/>

**NeuroKit.py**

**A Python Toolbox for Statistics and Neurophysiological Signal Processing (EEG, EDA, ECG, EMG...).**

<https://github.com/neuropsychology/NeuroKit.py>

**BioSPPy - Biosignal Processing in Python**

The toolbox bundles together various signal processing and pattern recognition methods geared towards the analysis of biosignals.

Highlights:

* Support for various biosignals: BVP, ECG, EDA, EEG, EMG, Respiration
* Signal analysis primitives: filtering, frequency analysis
* Clustering
* Biometric

<https://github.com/PIA-Group/BioSPPy/blob/master/biosppy/signals/eda.py>

**Empatica\_E4\_wristband\_analysis**

This processing pipeline provides the option to normalize the data relative to an event marker button.

<https://github.com/charlieconnell/Empatica_E4_wristband_analysis>

**E4tools: Management and Processing Tools for Data Produced by the Empatica E4**

<https://cran.r-project.org/web/packages/E4tools/>

**JEmAS – Jena Emotion Analysis System**

JEmAS is an open source command line tool for measuring the emotional content of a textual document of arbitrary length. It employs a simple bag-of-words and lexicon-based approach. It follows the psychological Valence-Arousal-Dominance model of emotion so that an emotion will be represented as three-dimensional vector of numerical values. The elements of this emotion vector refer to Valence (the degree of pleasentness or unpleasentness of an emotion), Arousal (degree of calmness or excitement), and Dominance (the degree of perceived control ranging from submissive to dominant).

<https://github.com/JULIELab/JEmAS>

**Sentiment Classification Via Galvanic Skin Response Based on Deep Learning Models**

<https://github.com/sxhfut/Sentiment-Classification-Via-Galvanic-Skin-Response-Based-on-Deep-Learning-Models>

**TEAP - Toolbox for Emotion Analysis using Physiological signals**

TEAP stands for "Toolbox for Emotional feAture extraction from Physiological signals". This toolbox is dedicated to researchers who want to easily extract features from physiological signals.

We aim to create an open source platform that can be further extended by the community with the goal of advancing the field of affective physiological signal analysis. We developed TEAP in MathWorks MATLAB but it also works with Octave, its free alternative. TEAP is able to pre-process and extract features from multiple central and peripheral physiological signals including: electroencephalogram (EEG), galvanic skin response (GSR), electrocardiogram (ECG), blood volume pulse (BVP), skin temperature, respiration pattern and electromyogram (EMG). New physiological channels can be easily added to this toolbox and the implemented statistical and time-frequency analysis functions can be applied on any signal.

<https://github.com/Gijom/TEAP>