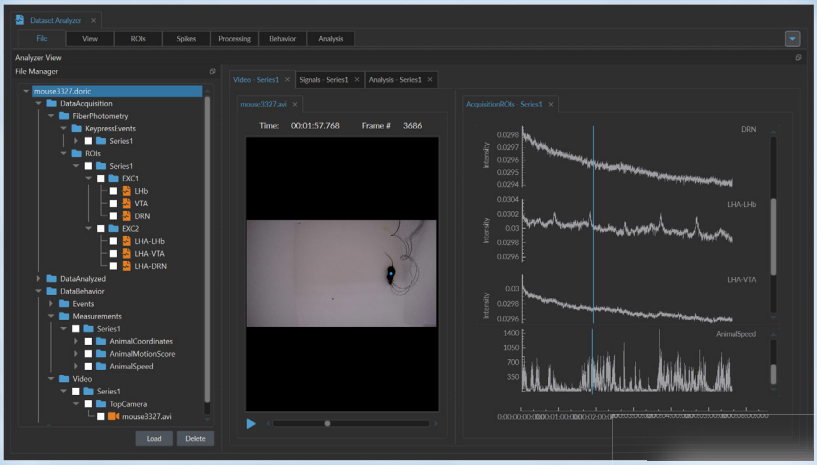
danse™

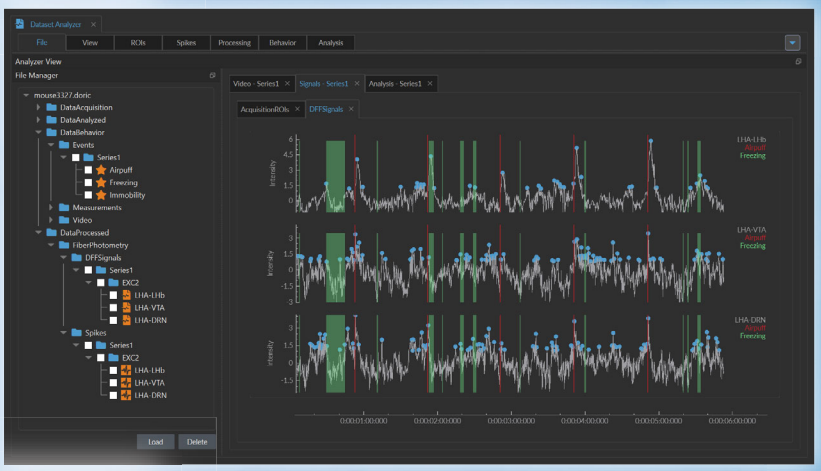


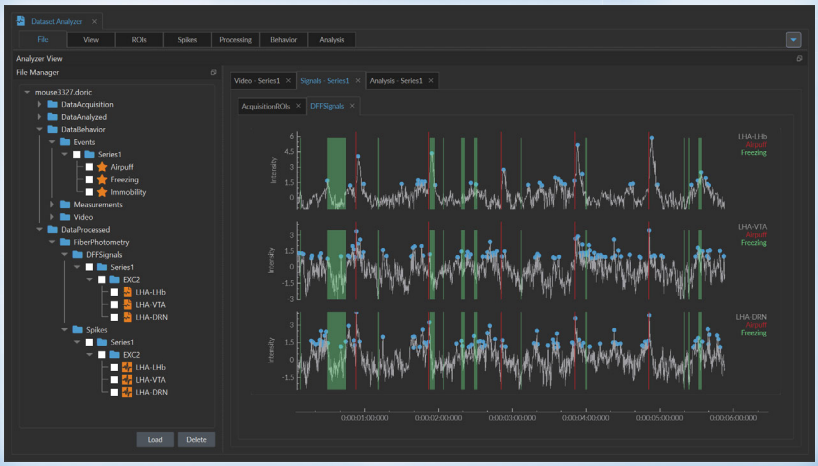
NEURAL SIGNALS & BEHAVIOR

VISUALIZATION

NEURAL SIGNALS & BEHAVIOR

PROCESSING





NEURAL SIGNALS & BEHAVIOR

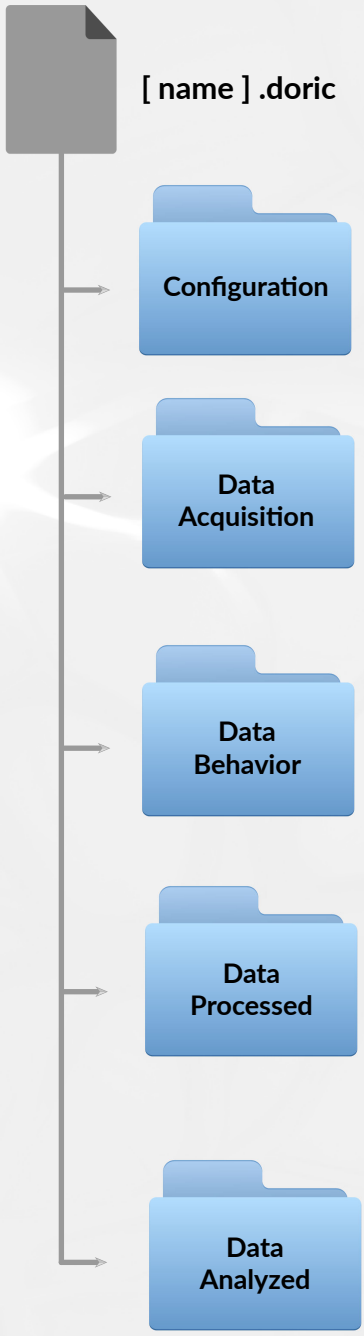
ANALYSIS

doriclenses.com @doriclenses doric

danse™

Data Analyzer for NeuroScience Experiments

Characteristics



- The file's structure contains all the data related to a recording: setup configuration, acquisition data, behavior data, processed data, and analyzed data.

- Contains the devices and recording session parameters essential for reproducibility and troubleshooting.

- Contains raw data from each recording device and handles various data types from ROIs, Signals, Images, Video, and Keypress events.
- The experimental data can be structured by sensors, time series, brain sites, channels, etc.

- Collection of behavior videos, measurements, events, time periods, etc., make up behavior data.
- Can integrate behavior data not recorded by DNS.

- Contains processed data of images, signals, cell signals, spikes, etc.
- Organized by names of the processing algorithm and type of the signal. Groups have attributes indicating the processing parameters.
- Processing operations: photometry ΔF/F, spike finder, images motion correction, CNMF cell finder, etc.

- Collection of analyzed data that combines processed neural signals and behavior data.
- Organized by names of the analysis algorithm: per event histogram, Pearson correlation, cross correlation, etc.
- Groups have attributes indicating the parameters of the analysis.

doric

Doric Lenses Inc. | 357, rue Franquet, Québec (Québec) G1P4N7 Canada

1 418 877-5600 | doriclenses.com | sales@doriclenses.com