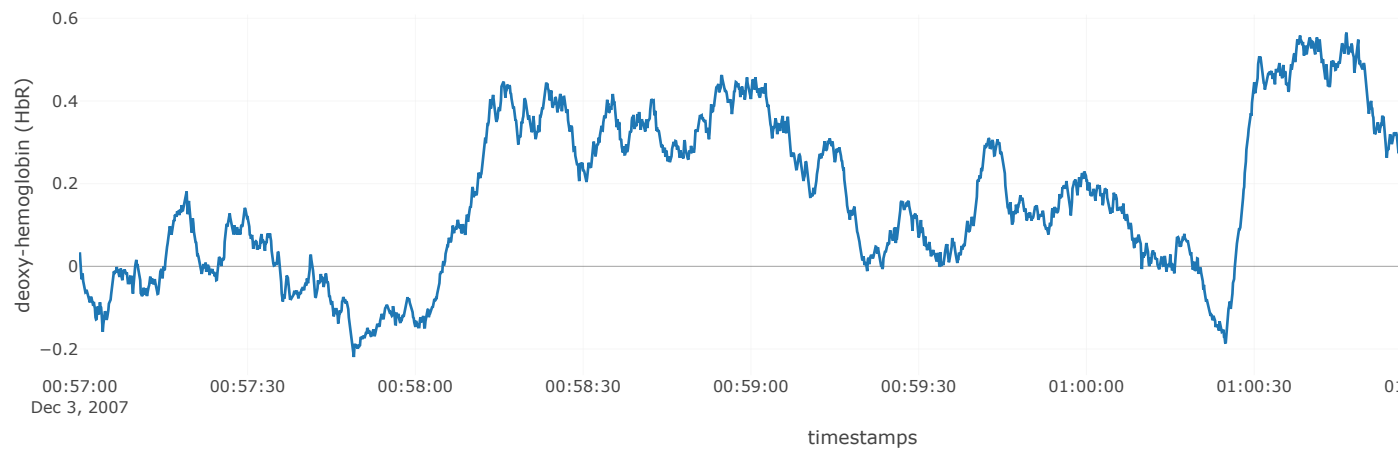


# Storing and Managing Data

## Module 06-32245 Semester project

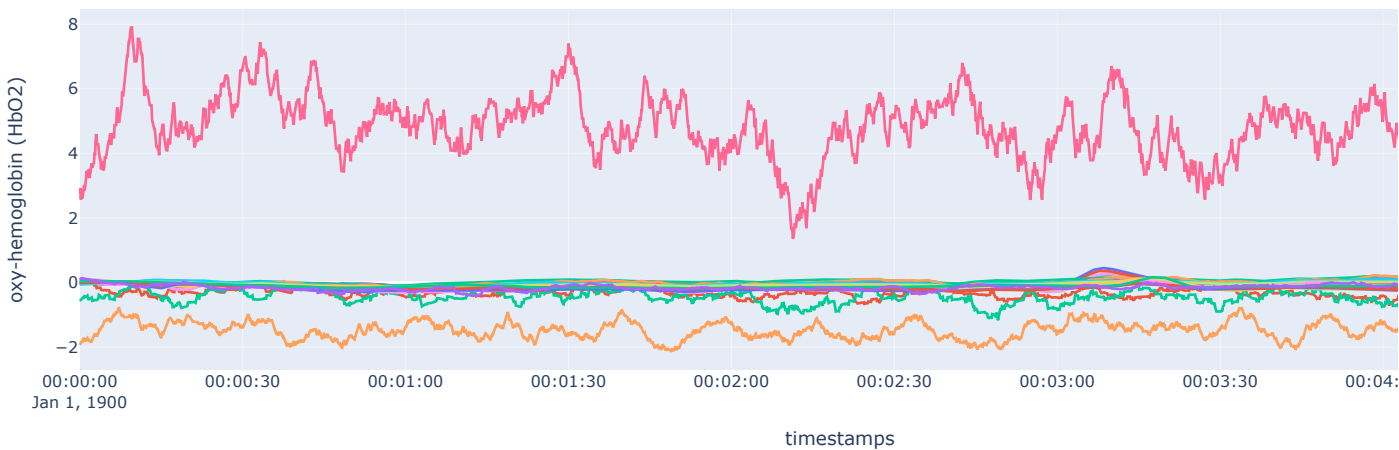
Individual plotting of the time course of light raw intensity at some wavelength, HbO2 or HbR for some channel.

Line Plot of single channel deoxy-hemoglobin (HbR) data for VM0001

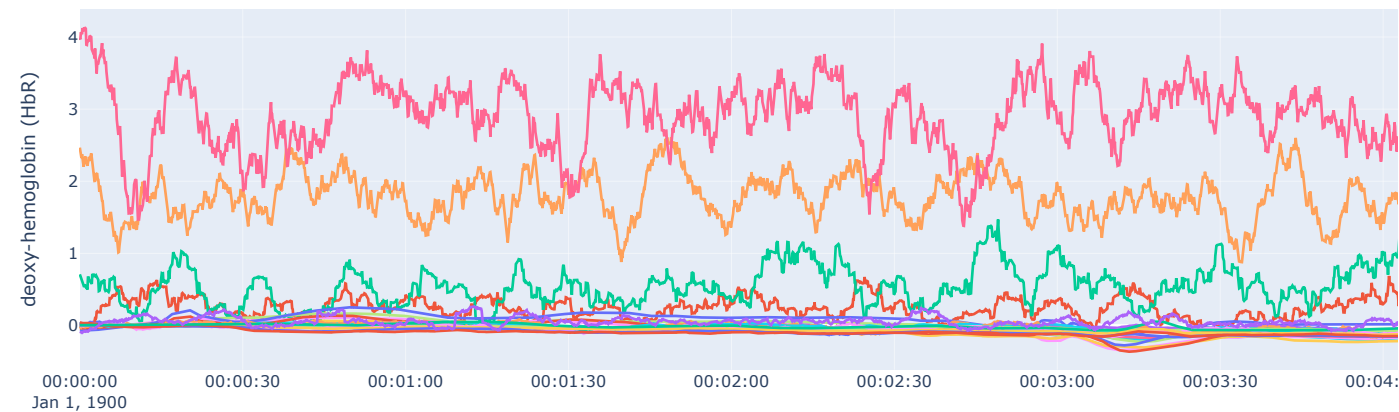


Grand averaged per channel timecourse pictorial representation of the HbO2 and HbR for a group with dispersion regions.

Line Plot of oxy-hemoglobin (HbO2) data for all channels belonging to Visuo Motor group



Line Plot of deoxy-hemoglobin (HbR) data for all channels belonging to Visuo Motor group



A listing of experiments in the database accompanied by the list of factors and treatments given

experiment	factor	treatment
VM0001_Moto_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0001_Moto_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0001_Rest_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0001_Rest_HBA_Probe1_Deoxy	Motor Stimulus	False
VM0001_ViMo_HBA_Probe1_Deoxy	Visual Stimulus	True
VM0001_ViMo_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0001_Viso_HBA_Probe1_Deoxy	Visual Stimulus	True
VM0001_Viso_HBA_Probe1_Deoxy	Motor Stimulus	False
VM0002_Moto_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0002_Moto_HBA_Probe1_Deoxy	Motor Stimulus	True
VM0002_Rest_HBA_Probe1_Deoxy	Visual Stimulus	False
VM0002_Rest_HBA_Probe1_Deoxy	Motor Stimulus	False

For a certain experiment choose at run time, retrieve the groups and the list of experimental units.

Visuomotor functional connectivity×▼

group
Motor Stimulus
Rest
Visual and Motor Stimulus
Visual Stimulus

ExperimentalUnit
Subj0001
Subj0002
Subj0003
Subj0004
Subj0005
Subj0006

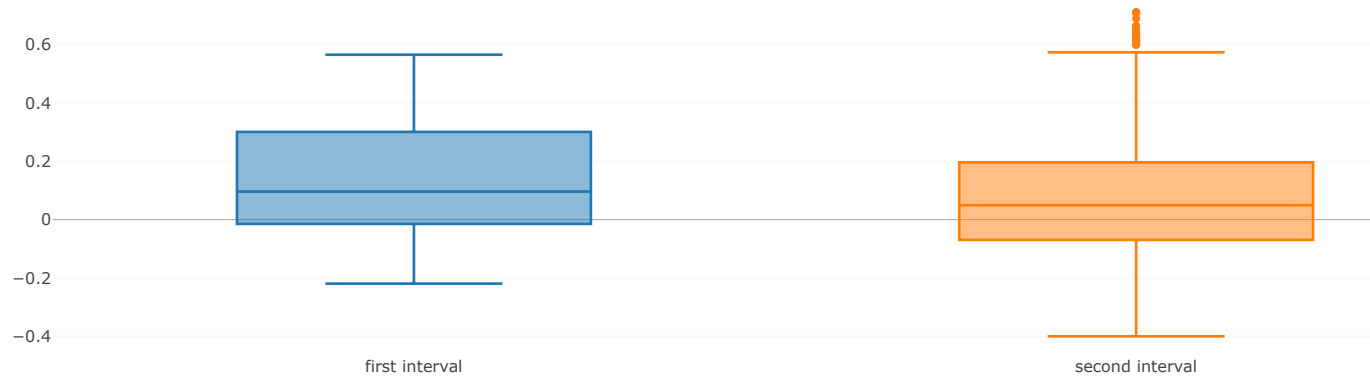
Given an individual observation whether of light raw intensity at some wavelength, HbO2 or HbR retrieve all available metadata

metadata for deoxy-hemoglobin (HbR) data for VM0001

Key	value
ID	VM0001_Moto
Name	Subj0001
Age	31y
Sex	Male
AnalyzeMode	Continuous
Pre Time[s]	10
Post Time[s]	10
Recovery Time[s]	5
Base Time[s]	25
Date	03/12/2007 00:57:00
Mode	Continuous
Wave[nm]	695,830

A boxplot comparing the distribution of either HbO2 or HbR concentrations for two intervals of time for a subject

Box Plot of deoxy-hemoglobin (HbR) data for VM0001 for two intervals



A boxplot comparing the distribution of either HbO2 or HbR concentrations for two intervals of time for a group.

Box Plot of deoxy-hemoglobin (HbR) data for Visuo Motor for two intervals

