

# Pupil Tutorial

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April 23, 2018

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## Setting Up

- i. Download python 3.6 from anaconda from this link: <https://www.anaconda.com/download/>
- ii. Follow this link: <https://github.com/harrysha1029/pupil> and clone the repository.
- iii. Put data in a convenient folder, preferably the same one, especially if you plan to run multiple files at the same time.
- iv. Change behavioral data into the events format

## Events Format

Behavioral data is used to epoch the pupil data. For this to work, the pupil pipeline requires this data to be of a specific format which is described in this section.

The behavioral file should be a MATLAB (.mat) file containing a variable named first, and another variable named events. first should be a float marking the time of the first onset of the behavioral data. This is aligned to

## Parameters

The

## Running

To run the code:

- i. Open terminal (mac, linux) or command prompt (windows)
- ii. cd into the pipeline
- iii. `python pupil_pipeline.py <parameters>`

where <parameters> is replaced with the name of your parameters file.

If no parameters file is provided, the pipeline will read from `parameters_default.py`

## Outputs

## Merging

## Explanation of interpolation method