

Perisaccadic Perception and Prior Experience

This repository includes code to run a psychophysics perisaccadic localization task for a project called **Perisaccadic Perception is Based on Prior Experience**. The experiment code, analysis code and steps are provided as well.

Data collection began in the winter of 2020 but concluded early due facility closures (as a result of COVID-19).

To begin, clone the repository and ensure all system requirements are met.

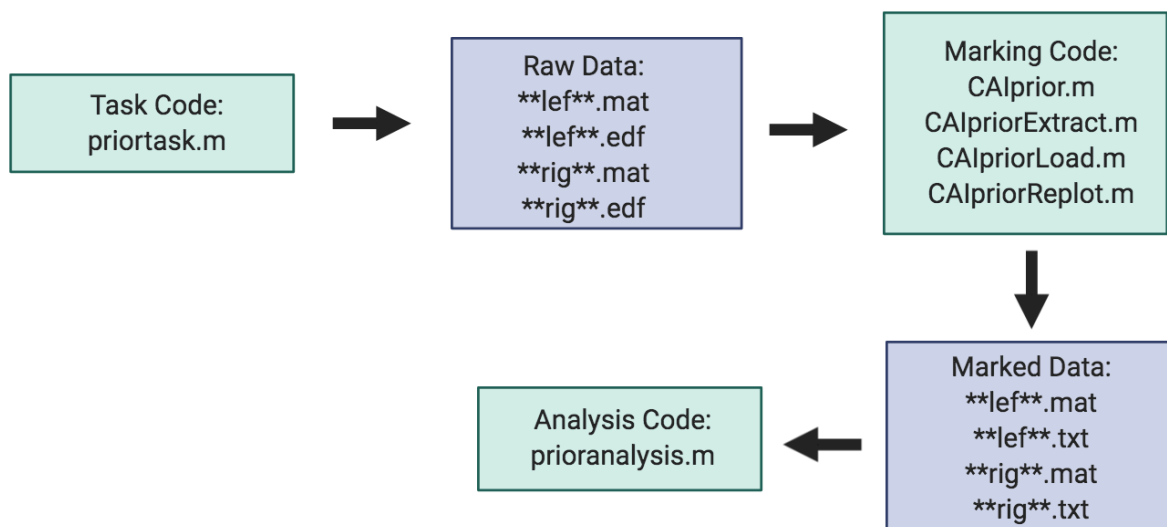
System requirements:

- MatLab 2018b or higher
- Psychophysics toolbox
- Eyelink 1000

Under Task Code, users can find a file titled 'PriorTask'. Update the specific experiment parameters (e.g. screen width, screen height, screen distance etc). Subsequently the code can be run. This will generate a dialogue box to input subject info (age, gender, ect), session information and task conditions.

After completing task collection for each condition, ensure the .mat and .edf file are saved in the correct location within the computer filing system.

The naming scheme and directory hierarchy outlined in files should be used to ensure the analysis code runs properly. The diagram included below depicts the order the task, marking and analysis code should be run in, as well as the files types generated for each subject.



Any issues with the code are likely due to incorrect parameters, files names or variable names. If the issue cannot be resolved, please submit a GitHub issue form detailing the error.

Acknowledgments

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