

Description of Dataset for: Eye gaze patterns reflect how young fraction learners approach numerical comparisons

Descriptive Files

Description of Dataset.doc: this file

researchData_PsychArchives: metadata file in template provided by PsychArchives

Subject Data Files

Description of Data Files: Two spreadsheets describe the fields contained in the subject gazedata and subject filter3 files

... gazedata: raw file from Tobii T120 Eye Tracker. (Note: these are in array format and are readable in Excel if you allow Excel to access "all files")

... filter3: list of fixations calculated from raw files, with mini-saccades excluded per description in Methods section

Analysis Files

BCScalcFix-Trans-bytrial.py: Python script used to calculate AOI saccades by trial and aggregate those metrics across all subjects. Input is every subject's filtered fixation and AOI list (...filter3). Output is Fixations&Transitions-byTrial_BCS.

Fixations&Transitions-byTrial_BCS_ready.xls: file used as basis for statistical analyses. Includes calculated AOI-saccade metrics by subject and trial, modified from Fixations&Transitions-byTrial_BCS (not included) by addition of group designations and subject exclusions based on data quality and performance, as described in Methods section.