

CUES: the Cognitive Usability Evaluation System

The Visualiser

- 1 – Hierarchical recording menu
- 2 – Stackable tab control
- 3 – Audiowave synced to EEG data
- 4 – EEG data visualiser
- 5 – EEG selector for visualiser
- 6 – Log data control
- 7 – Example event
- 8 – Screenshot spatial control
- 9 – Mouse trail view



Study Setup Facility

1. Configure the types of data being recorded
2. Setup studies, tasks, conditions, and participants
3. Assign participants to different conditions and tasks
4. Setup launches a standard web browser
5. Data is logged silently in standard formats

Our Experiences

- The *most valuable* insights came from *qualitatively comparing* EEG patterns with comments in the verbal protocol
- The EEG data often qualified ambiguous comments in the verbal protocol
- The EEG data added a spatial view to the verbal protocol
- We got almost no benefits from objective measures and stats



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