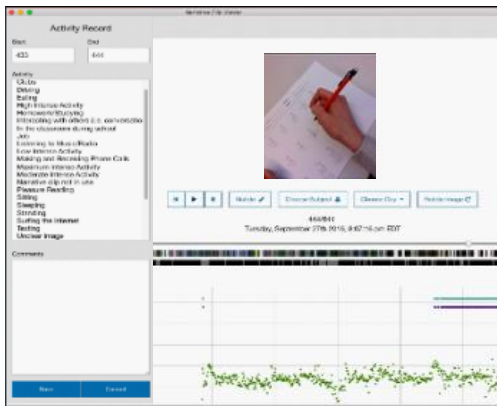


Appendix A- The process of recording, coding, and classifying the Narrative Clip photo image data



Level of Cognitive Activity	Examples
Low	Texting, watching TV, pleasure reading, eating
Moderate	Video/computer gaming, in a sports meeting, interacting with others
High	Working on homework, driving a car, studying

Photo Image Recording

Participant's cognitive activity is recorded by the Narrative Clip as a photo image. Then, each night the participant uploads the photo images to a study computer

Photo Image Coding

Each recorded photo image is coded by two trained members of our research team as a distinct cognitive activity (or activities) using customized annotation software

Activity Classification

Finally, each coded cognitive activity is classified into one of three levels of cognitive activity: low, moderate, or high.