Cookbook for variables in the datafiles

In file “APS1\_300\_500\_43subjects” and “APS1\_600\_800\_43subjects”

1. Experiment: APS\_Silent refers to No APS condition
2. worklet: The latency window of the ERP component
3. values: voltage
4. chindex: channel index
5. chlabel: channel label
6. bini: bin number
7. binlabel: bin label
8. grammar: grammatical condition
9. word\_type: whether this is a subject-verb disagreement or pronoun-case mismatch
10. ERPset: the ID for the ERP sets
11. ID: the ERP set ID
12. Accuracy: subjects’ sentence response accuracy
13. subjectID: subject ID
14. reading\_speed: subject’s reading speed in the Nelson-Denny Comprehension test
15. Sex: subjects’ gender
16. Age: subject’ age
17. Year of Formal Education: self-reported number of years receiving formal education
18. Occupation: subject’s occupation
19. Vividness (Vividness\_Audio): subject’s auditory imagery vividness score in the
20. Control (Control\_Audio): subject’s auditory imagery control score in the

In other files, there is one additional variable:

1. speech: native or non-native English speech that subjects were instructed to imagine