**List of Variable Names as Listed on the CSV file.**

**General:**

1. **Seq** (Sequence of the vignettes display, this was randomised for every particiapnt)
2. **Subj/Participant** (Participant number)
3. **Item** (Item number)
4. **Cond** (Condition: 1 = facilitated, 2 = unfacilitated)
5. **Age** (Age at time of testing)
6. **Gender**
7. **Comprehnsion\_accuracy** (Eye-tracking questions)

**Eye-tracking:**

1. **R1** (region 1, example: *Mohammed had recently bought some new glasses.*)
2. **R2** (region 2, example: *The optician had just given him the new pair to try on.*)
3. **R3** (region 3/ prediction region, example: *He tried them on and realised they weren’t the right prescription.*[prediction facilitated]vs. *He tried them on and took a look at himself in the mirror.*[prediction unfacilitated])
4. **R4** (region 4/ critical/question region, example: *The optician walked by and asked, “So, are your new glasses ok?”*)
5. **R5** (region 5/ post-critical/reply region, example: *Mohammed replied, “I’m not sure they’re the right prescription.”*)
6. **R6** (region 6, example: *The optician took them off and started working on them.*)

Note: For reading time measures the data presented is the time it takes to read the specified region in milliseconds. For binomial regression measures, the data corresponds to whether a regression was present (1) or absent (0).

**Social Responsiveness Scale 2 (SRS-2):**

For more in-depth descriptions of the measures below please refer to the SRS-2 manual; Constantino,

J. N., & Gruber, C. P. (2012). *Social responsiveness scale (SRS)*. [version 2]. Pearson.

1. **SRS\_total\_score\_raw** (raw total score)
2. **SRS\_total\_score\_t** (total score converted to a comparable t-score)
3. **SRS\_awr\_raw** (social awareness subscale raw score)
4. **SRS\_awr\_t** (social awareness subscale converted to a comparable t-score)
5. **SRS\_cog\_raw** (social cognition subscale raw score)
6. **SRS\_cog\_t** (social cognition subscale converted to a comparable t-score)
7. **SRS\_com\_raw** (social communication subscale raw score)
8. **SRS\_com\_t** (social communication subscale converted to a comparable t-score)
9. **SRS\_mot\_raw** (social motivation subscale raw score)
10. **SRS\_mot\_t** (social motivation subscale converted to a comparable t-score)
11. **SRS\_RRB\_raw** (restricted and repetitive behaviours subscale raw score)
12. **SRS\_RRB\_t** (restricted and repetitive behaviours subscale converted to a comparable t-score)
13. **SRS\_SCI\_raw** (DSM-5 compatible social communication and intention scale raw score)
14. **SRS\_SCI\_t** (DSM-5 compatible social communication and intention converted to a comparable t-score)
15. **SRS\_RRB\_raw** (DSM-5 compatible restricted and repetitive behaviours scale raw score)
16. **SRS\_RRB\_t** (DSM-5 compatible restricted and repetitive behaviours scale converted to a comparable t-score)
17. **SRS\_Category** (autistic trait categorization based on total score results)

**Empathy Quotient (EQ):**

For more in-depth descriptions of the measure below please refer to the reference below.

Baron-Cohen, S., & Wheelwright, S. (2004). The empathy quotient: an investigation of adults

with Asperger syndrome or high functioning autism, and normal sex differences. *Journal of*

*Autism and Developmental Disorders*, *34*, 163-175.

1. **EQ** (empathy quotient score)

**Rapid Automated Naming (RAN):**

1. **RLN\_A** (rapid letter naming form A reaction time in milliseconds)
2. **RLN\_A\_errors** (rapid letter naming form A total number of errors made)
3. **RLN\_A\_corrected** (rapid letter naming form A total number of errors corrected)
4. **RLN\_B** (rapid letter naming form B reaction time in milliseconds)
5. **RLN\_B\_errors** (rapid letter naming form B total number of errors made)
6. **RLN\_B\_corrected** (rapid letter naming form B total number of errors corrected)
7. **RDN\_A** ( rapid digit naming form A reaction time in milliseconds)
8. **RDN\_A**\_errors (rapid digit naming form A total number of errors made)
9. **RDN\_A\_corrected** (rapid digit naming form A total number of errors corrected)
10. **RDN\_B** (rapid digit naming form B reaction time in milliseconds)
11. **RDN\_B\_errors** (rapid digit naming form B total number of errors made)
12. **RDN\_B\_corrected** (rapid digit naming form B total number of errors corrected)
13. **Avg\_RLN** (rapid letter naming average time in milliseconds)
14. **Avg\_RDN** (rapid digit naming average time in milliseconds)
15. **Total\_RAN** (all RAN measurs, both RLN and RDN, average time in milliseconds)
16. **Total\_errors** (all RAN measurs, both RLN and RDN, total number of errors made)
17. **Total\_errors\_corrected** (all RAN measurs, both RLN and RDN, total number of errors corrected)

**Woodcock Reading and Mastery Test- Third Edition (WRMT-III):**

For more in-depth descriptions of the measures below please refer to the WRMT-III manual; Woodcock, R. W. (2011). Woodcock Reading Mastery Test (3rd ed.). San Antonio, TX: Pearson.

1. **WI\_raw** (word identification number of correct responses)
2. **WI\_RPI** (word identification relative performance indexes corresponding to test raw score, by age)
3. **WI\_GSV** (word identification growth scale values, corresponding to test raw scores)
4. **WI\_AE** (word identification age equivalent corresponding to test raw scores)
5. **WA\_raw** (word attack number of correct responses)
6. **WA\_RPI** (word attack relative performance indexes corresponding to test raw score, by age)
7. **WA\_GSV** (word attack growth scale values, corresponding to test raw scores)
8. **WA\_AE** (word attack age equivalent corresponding to test raw scores)
9. **WC\_raw** (word comprehension number of correct responses)
10. **WC\_RPI** (word comprehension relative performance indexes corresponding to test raw score, by age)
11. **WC\_GSV** (word comprehension growth scale values, corresponding to test raw scores)
12. **WC\_AE** (word comprehension age equivalent corresponding to test raw scores)
13. **PC\_raw** (passage comprehension number of correct responses)
14. **PC\_RPI** (passage comprehension relative performance indexes corresponding to test raw score, by age)
15. **PC\_GSV** (passage comprehension growth scale values, corresponding to test raw scores)
16. **PC\_AE** (passage comprehension age equivalent corresponding to test raw scores)
17. **LC\_raw** (listening comprehension number of correct responses)
18. **LC\_RPI** (listening comprehension relative performance indexes corresponding to test raw score, by age)
19. **LC\_GSV** (listening comprehension growth scale values, corresponding to test raw scores)
20. LC\_AE (listening comprehension age equivalent corresponding to test raw scores)
21. **ORF\_RPI** (oral reading fluency relative performance indexes corresponding to test raw score, by age)
22. **ORF\_GSV** (oral reading fluency growth scale values, corresponding to test raw scores)
23. ORF\_AE
24. **WI\_stand** (word identification standard scores corresponding to test raw scores, by age)
25. **WA\_stand** (word attack standard scores corresponding to test raw scores, by age)
26. **WC\_stand** (word comprehension standard scores corresponding to test raw scores, by age)
27. **PC\_stand** (passage comprehension standard scores corresponding to test raw scores, by age)
28. **LC\_stand** (listening comprehension standard scores corresponding to test raw scores, by age)
29. **ORF\_stand** (oral reading fluency standard scores corresponding to test raw scores, by age)
30. **Basic\_skills\_stand** (basic skills score corresponding to the summed total of word identification and word attack.)
31. **Basic\_skills\_cluster** (basic skills standard scores corresponding to cluster sums of standard scores, by age. Basic skills includes word identification and word attack.)
32. **Basic\_skills \_RPI\_x/90** (basic skills relative performance indexes corresponding to cluster growth scale values, by age)
33. **Basic\_skills\_GSV** (basic skills growth scale values, (WI GSV + WA GSV) / 2)
34. **Basic\_skills \_AE** (basic skills age equivalents corresponding to cluster GSV)
35. **Reading\_comp\_stand** (reading comprehension score corresponding to the summed total of word identification and word attack.)
36. **Reading\_comp\_cluster** (reading comprehension standard scores corresponding to cluster sums of standard scores, by age. Reading comprehension includes word comprehension and passage comprehension.)
37. **Reading\_comp\_RPI\_x/90** (reading comprehension relative performance indexes corresponding to cluster growth scale values, by age)
38. **Reading\_comp\_GSV** (reading comprehension growth scale values, (WC GSV + PC GSV) / 2)
39. **Reading\_comp\_AE** (reading comprehension age equivalents corresponding to cluster GSV)
40. **Total\_reading\_stand** (total reading score corresponding to the summed total of word identification and word attack.)
41. **Total\_reading\_cluster** (total reading standard scores corresponding to cluster sums of standard scores, by age. Total reading includes word identification, word attack, word comprehension and passage comprehension, and oral reading fluency.)
42. **Total\_reading\_RPI\_x/90** (total reading relative performance indexes corresponding to cluster growth scale values, by age)
43. **Total\_reading\_GSV** (total reading growth scale values, (WI GSV + WA GSV + WC GSV + PC GSV + ORF GSV) / 2)
44. **Total\_reading\_AE** (total reading age equivalents corresponding to cluster GSV)