Mindprint - Math

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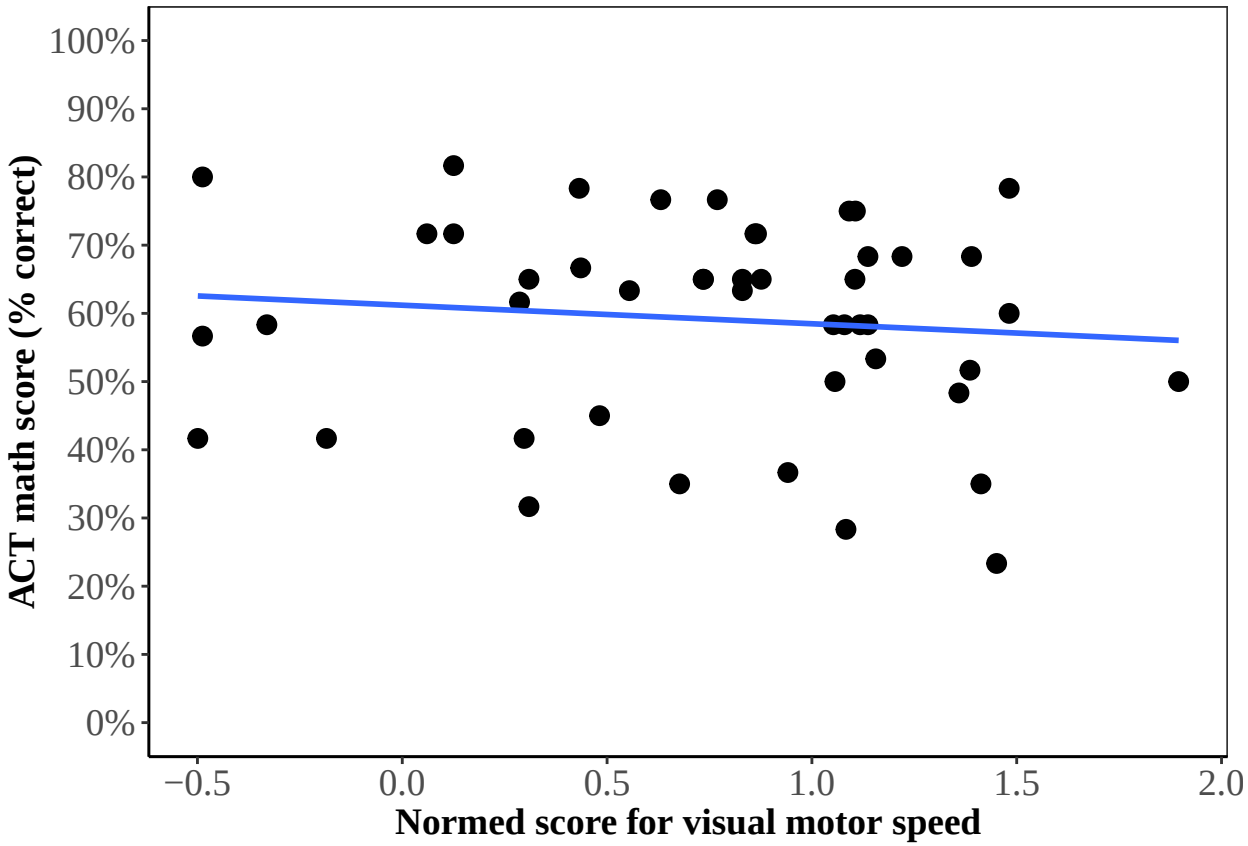
Contents

3 duplicates: subID 6381, 4836, 3884, took both 70C and 72C

ACT Math (n = 47)

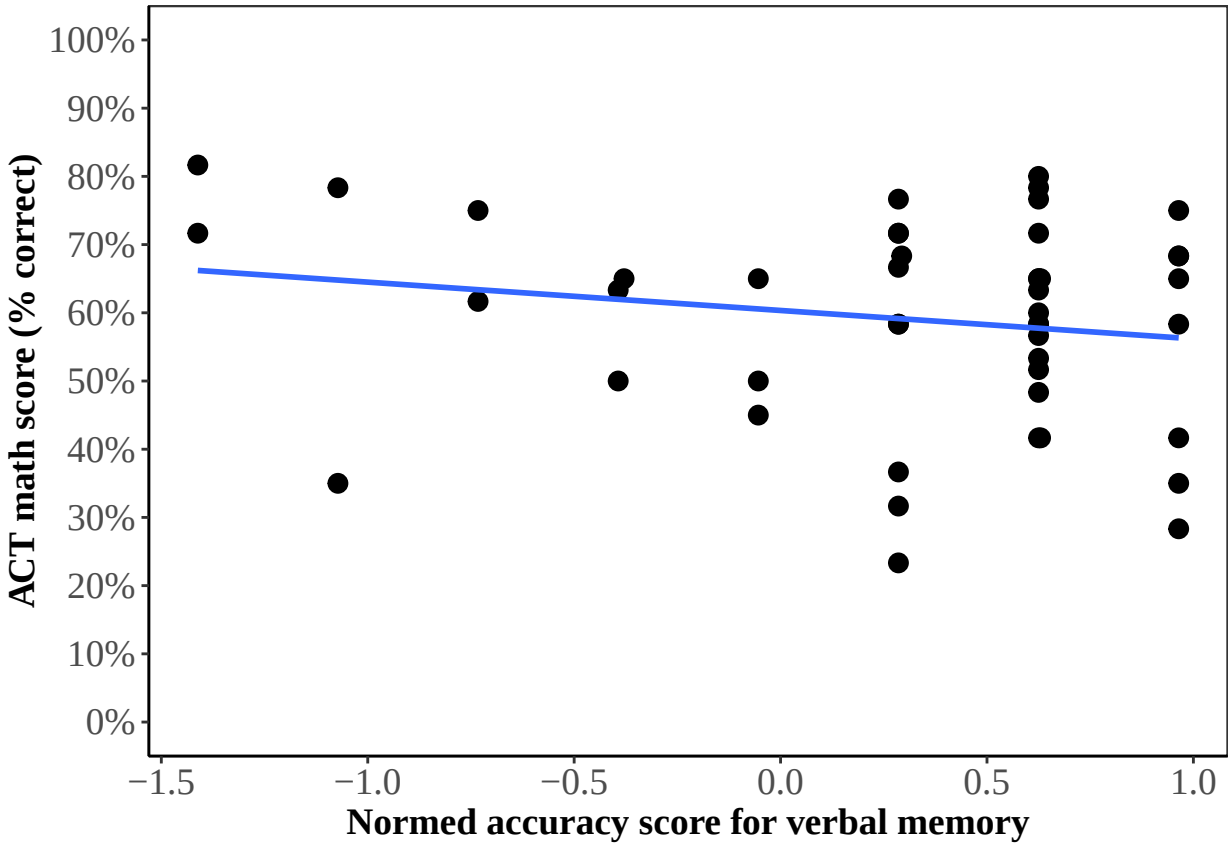
Overall score

Visual motor speed



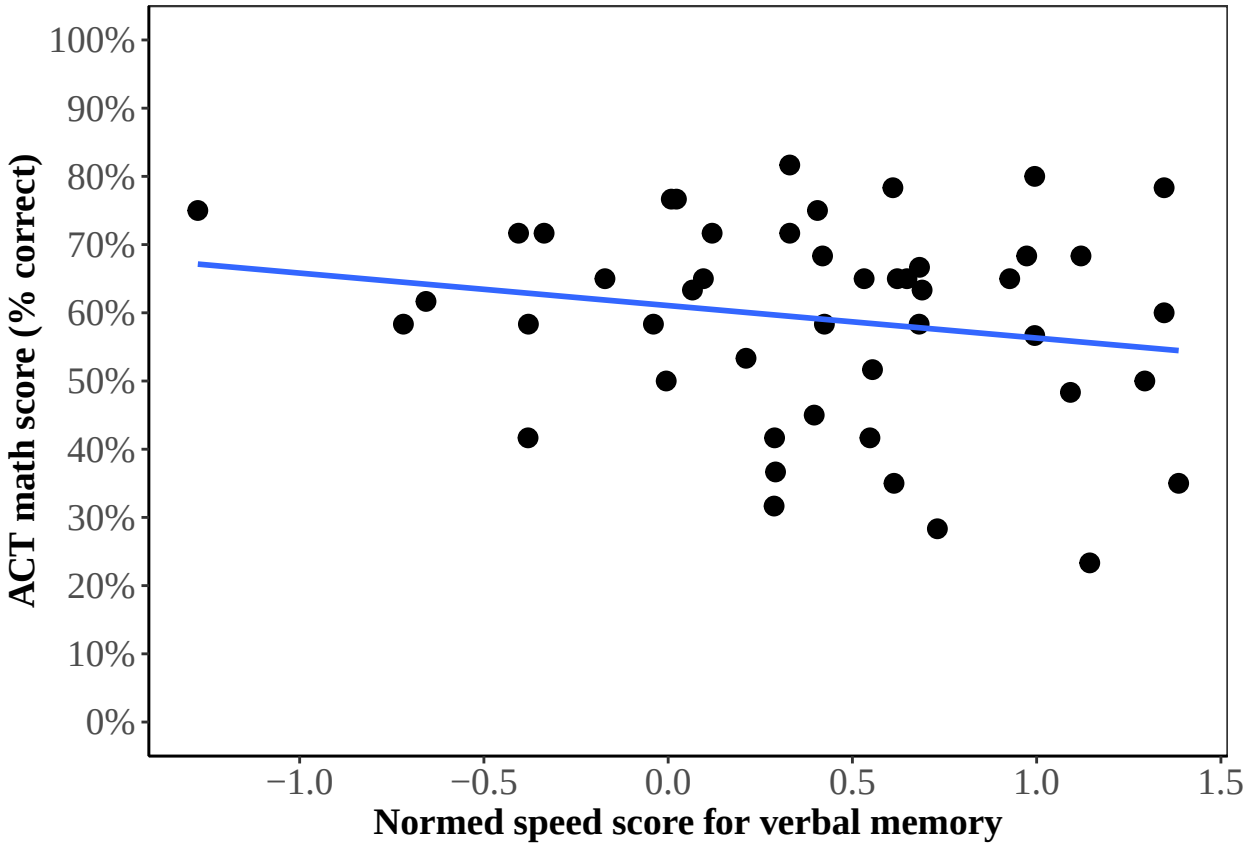

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$SM_Sz and finalDF2$ACTmathscore
## t = -0.71152, df = 45, p-value = 0.4804
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3810987  0.1873670
## sample estimates:
##       cor
## -0.105475
```

Verbal memory accuracy



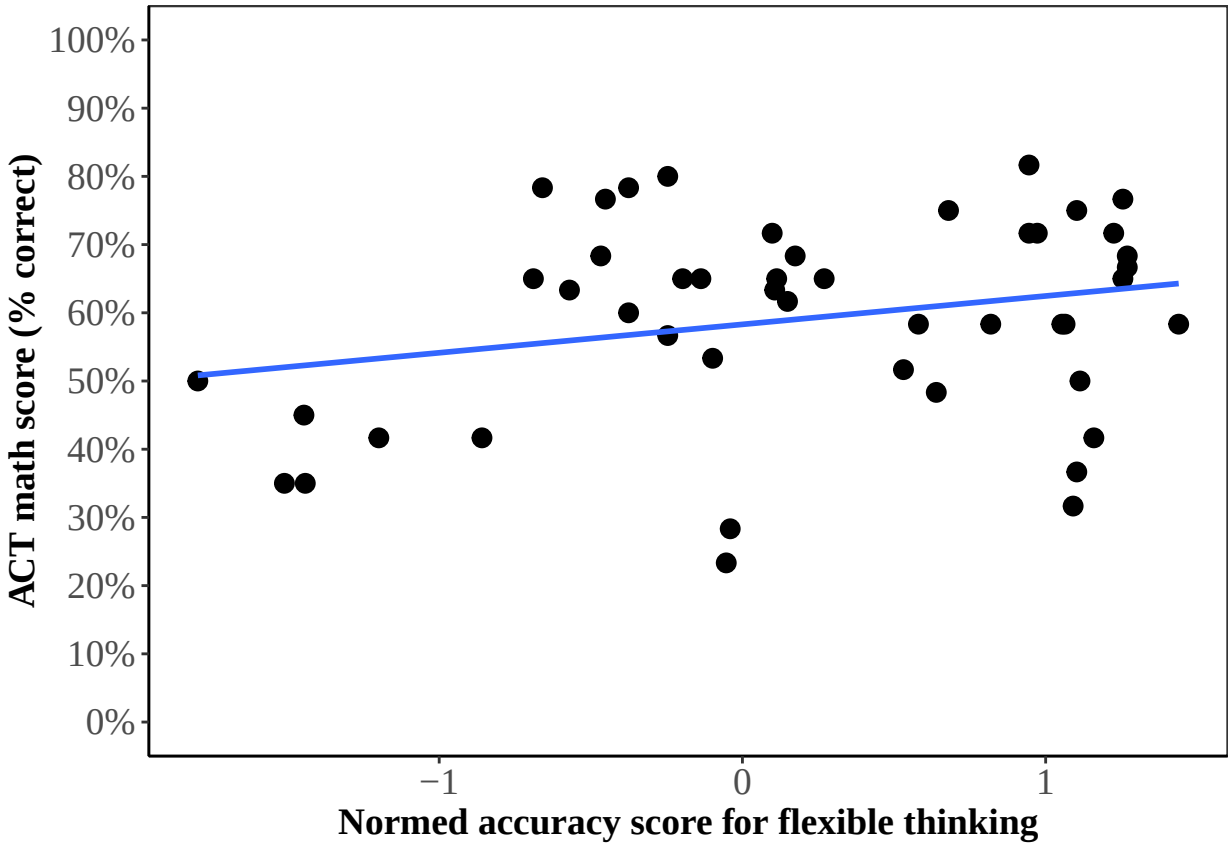

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$VMEM_Az and finalDF2$ACTmathscore
## t = -1.2239, df = 45, p-value = 0.2274
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4437801  0.1135317
## sample estimates:
##       cor
## -0.1794869
```

Verbal memory speed



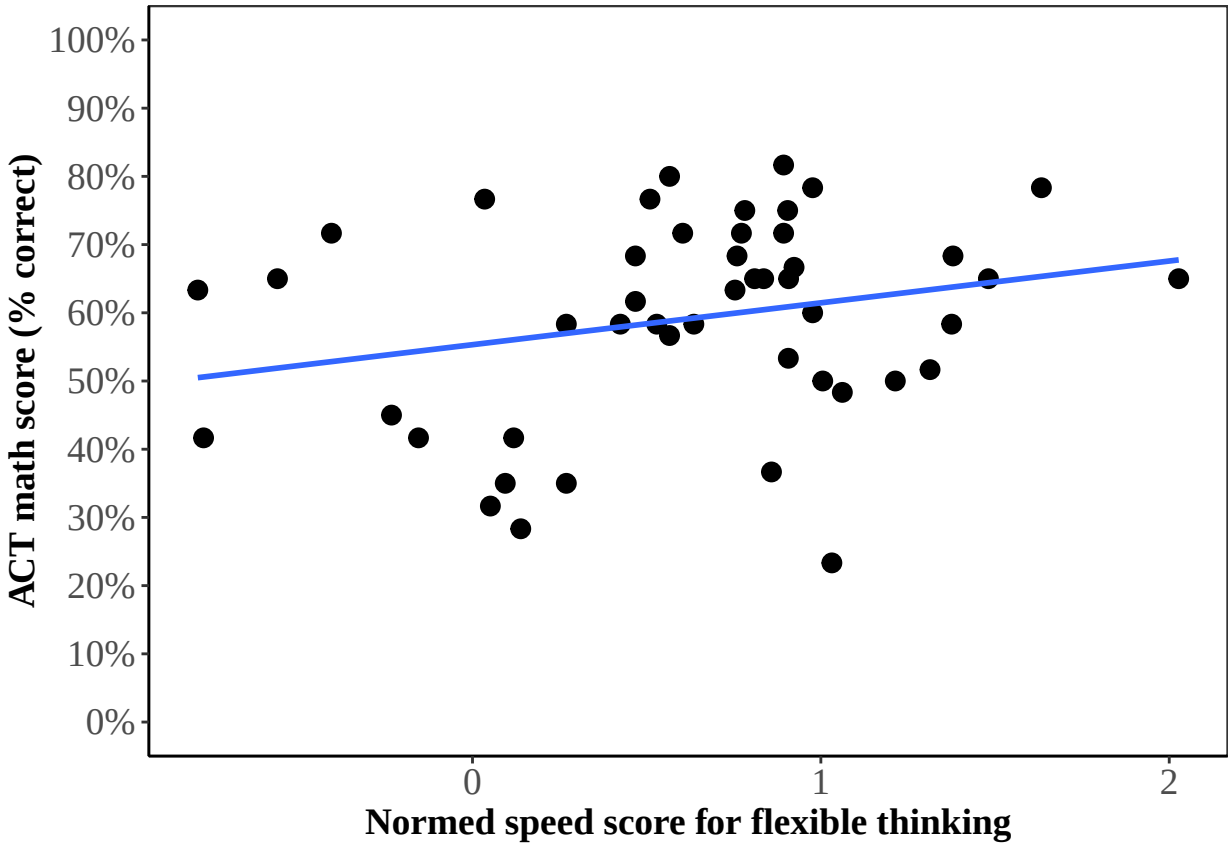

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$VMEM_Sz and finalDF2$ACTmathscore
## t = -1.2915, df = 45, p-value = 0.2031
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4516924  0.1037522
## sample estimates:
##       cor
## -0.1890471
```

Flexible thinking accuracy



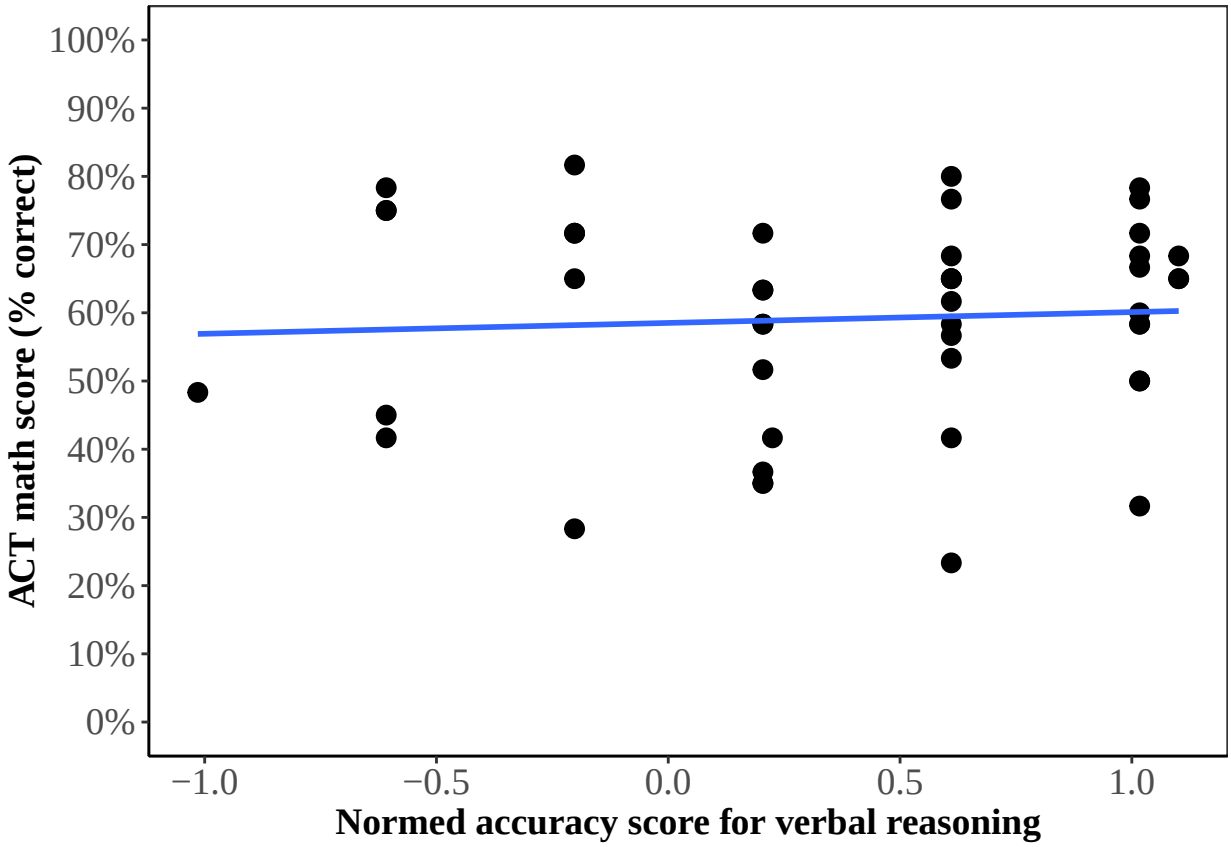

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$ABF_Az and finalDF2$ACTmathscore
## t = 1.705, df = 45, p-value = 0.09509
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.04394113  0.49825482
## sample estimates:
##      cor
## 0.246334
```

Flexible thinking speed



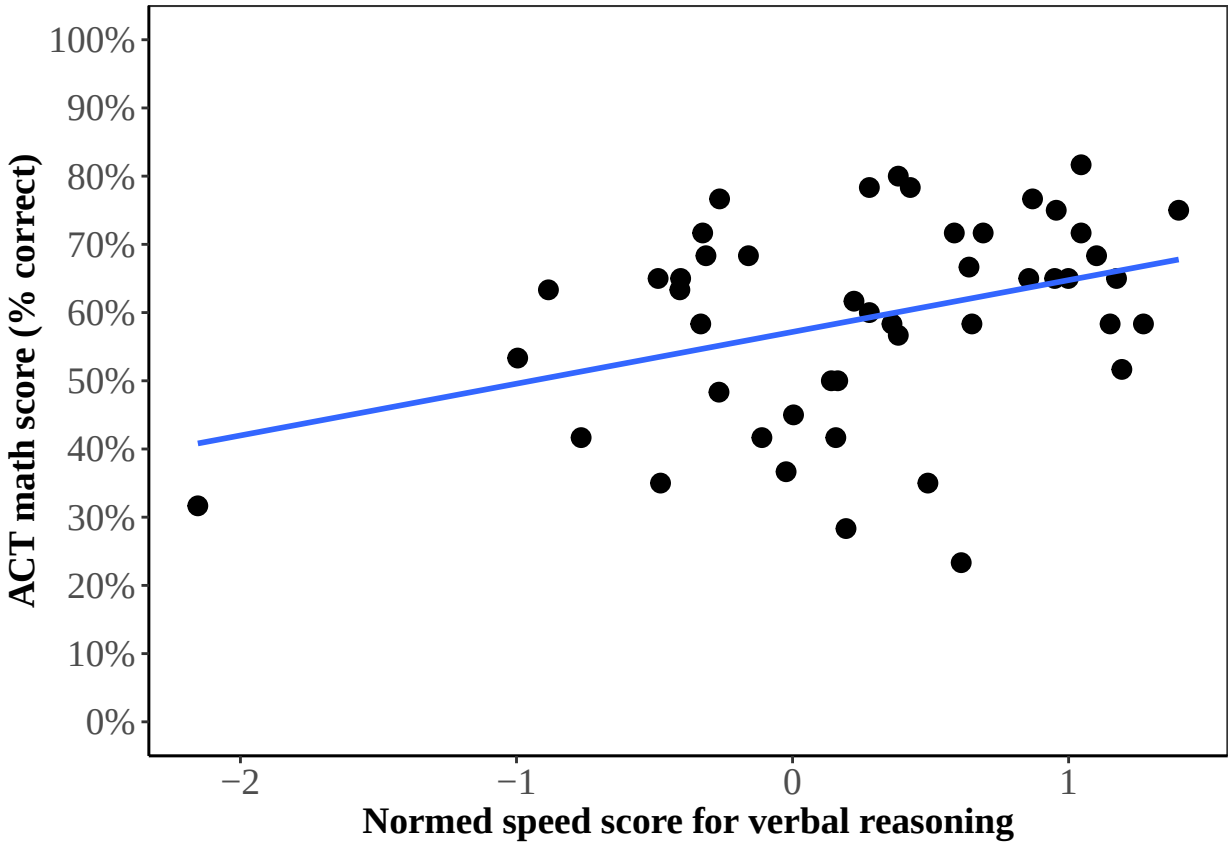

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$ABF_Sz and finalDF2$ACTmathscore
## t = 1.7229, df = 45, p-value = 0.09178
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.04136298  0.50019395
## sample estimates:
##       cor
## 0.2487586
```

Verbal reasoning accuracy



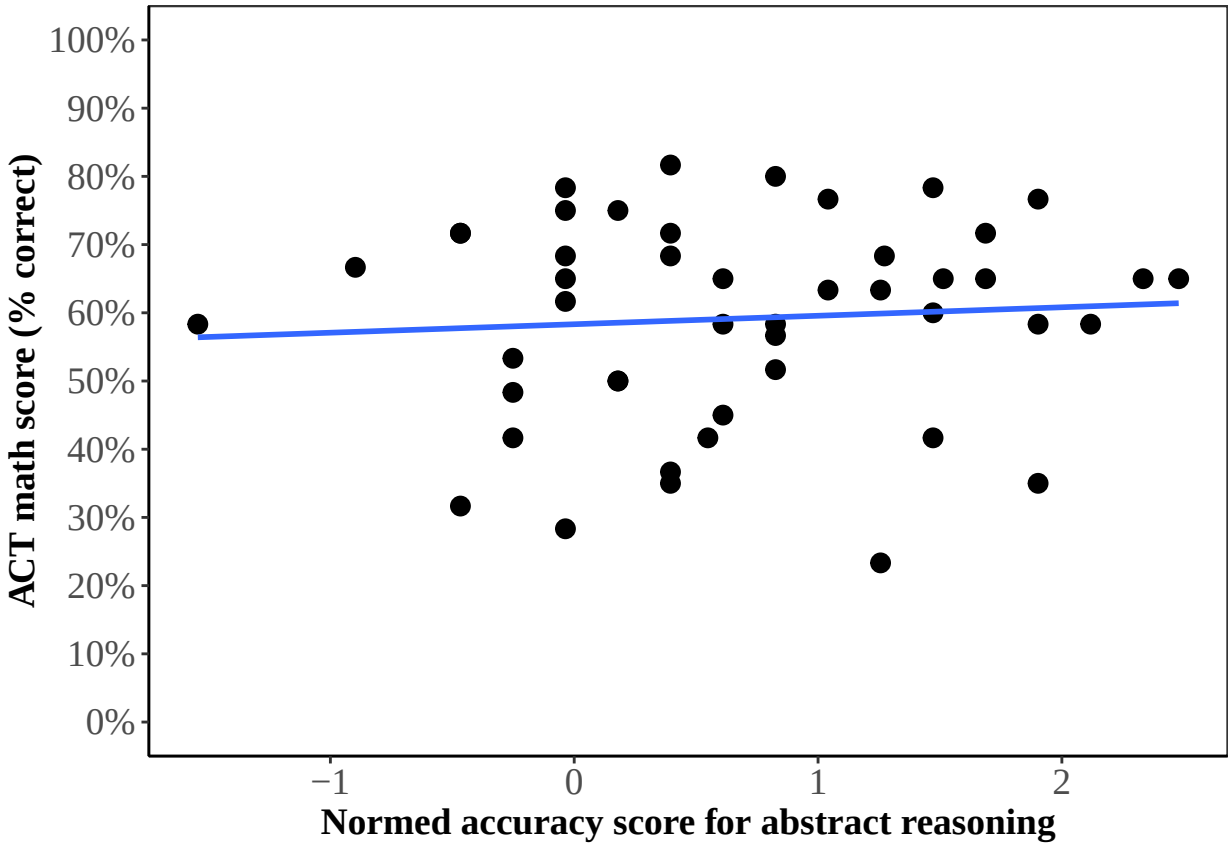

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$LAN_Az and finalDF2$ACTmathscore
## t = 0.41733, df = 45, p-value = 0.6784
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2291611  0.3431402
## sample estimates:
##       cor
## 0.06209179
```

Verbal reasoning speed ($p < 0.05$)



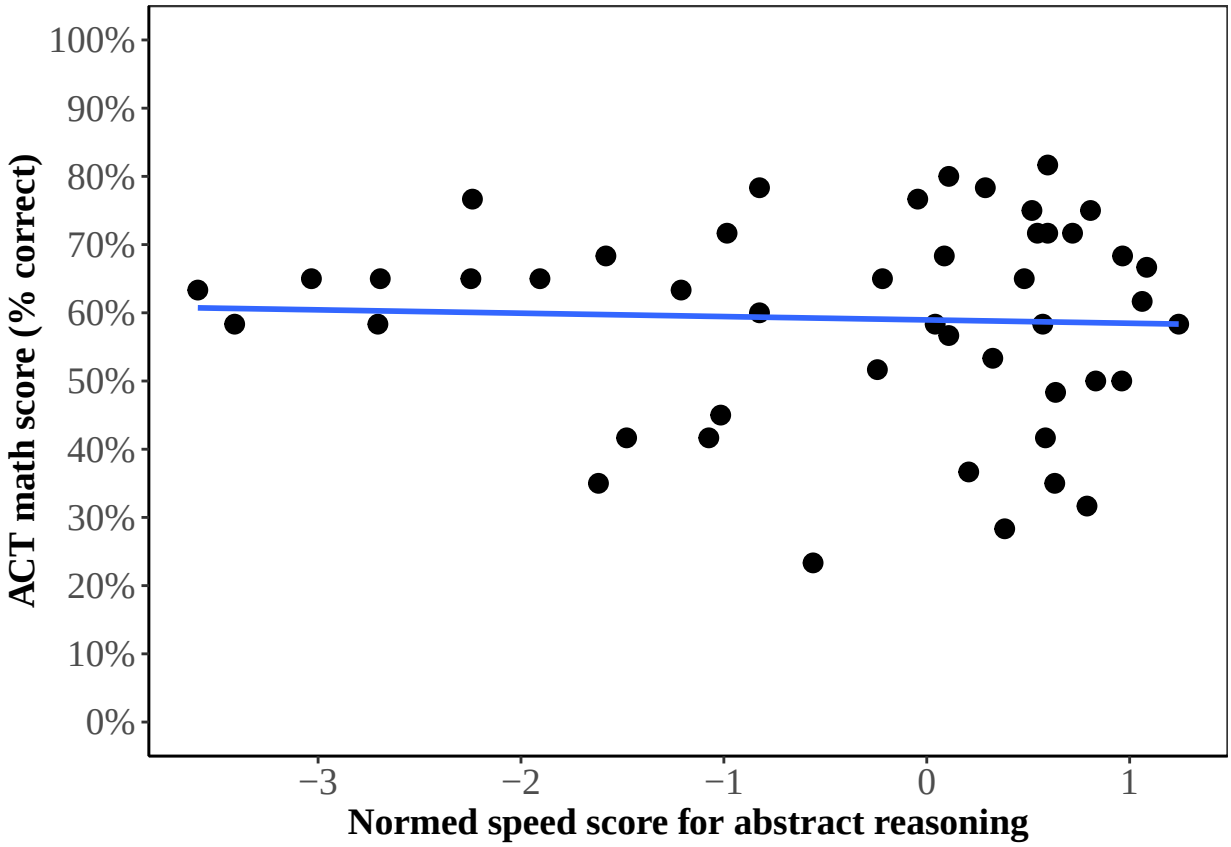

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$LAN_Sz and finalDF2$ACTmathscore
## t = 2.6439, df = 45, p-value = 0.01124
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.08886494 0.59155278
## sample estimates:
##       cor
## 0.3666746
```

Abstract reasoning accuracy



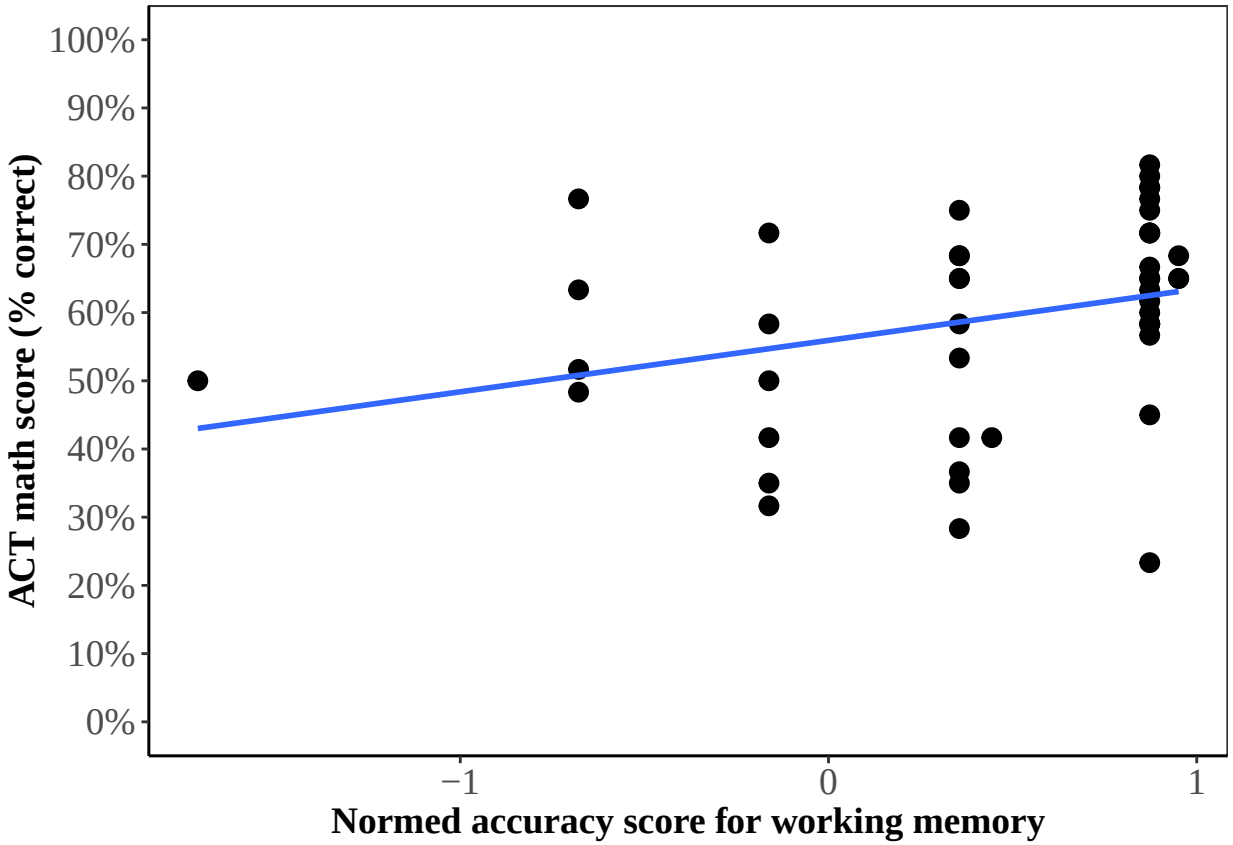

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$NVR_Az and finalDF2$ACTmathscore
## t = 0.50303, df = 45, p-value = 0.6174
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2170503  0.3543353
## sample estimates:
##       cor
## 0.07477731
```

Abstract reasoning speed



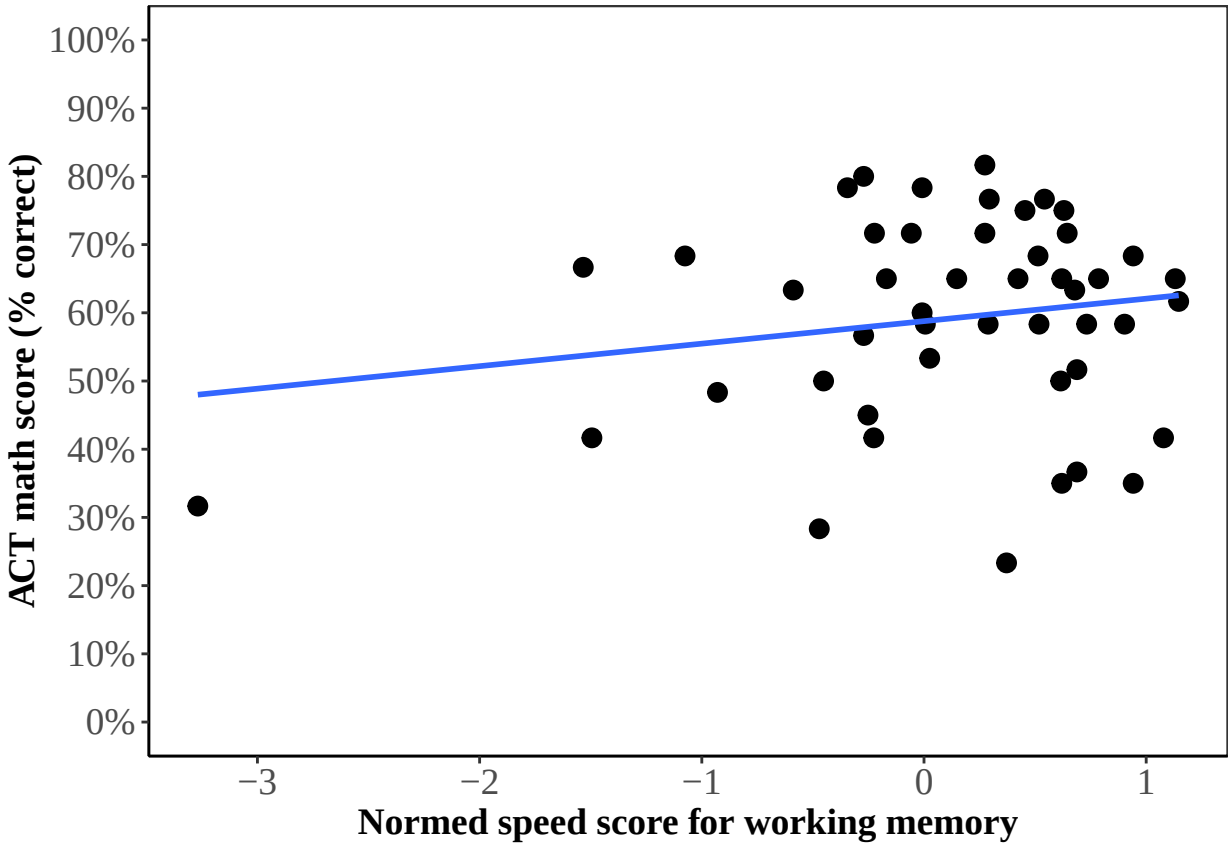

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$NVR_Sz and finalDF2$ACTmathscore
## t = -0.29341, df = 45, p-value = 0.7706
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3267631  0.2465641
## sample estimates:
##        cor
## -0.0436966
```

Working memory accuracy ($p < 0.05$)




```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$WM_Az and finalDF2$ACTmathscore
## t = 2.1485, df = 45, p-value = 0.03709
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.0195601 0.5444888
## sample estimates:
##       cor
## 0.3050136
```

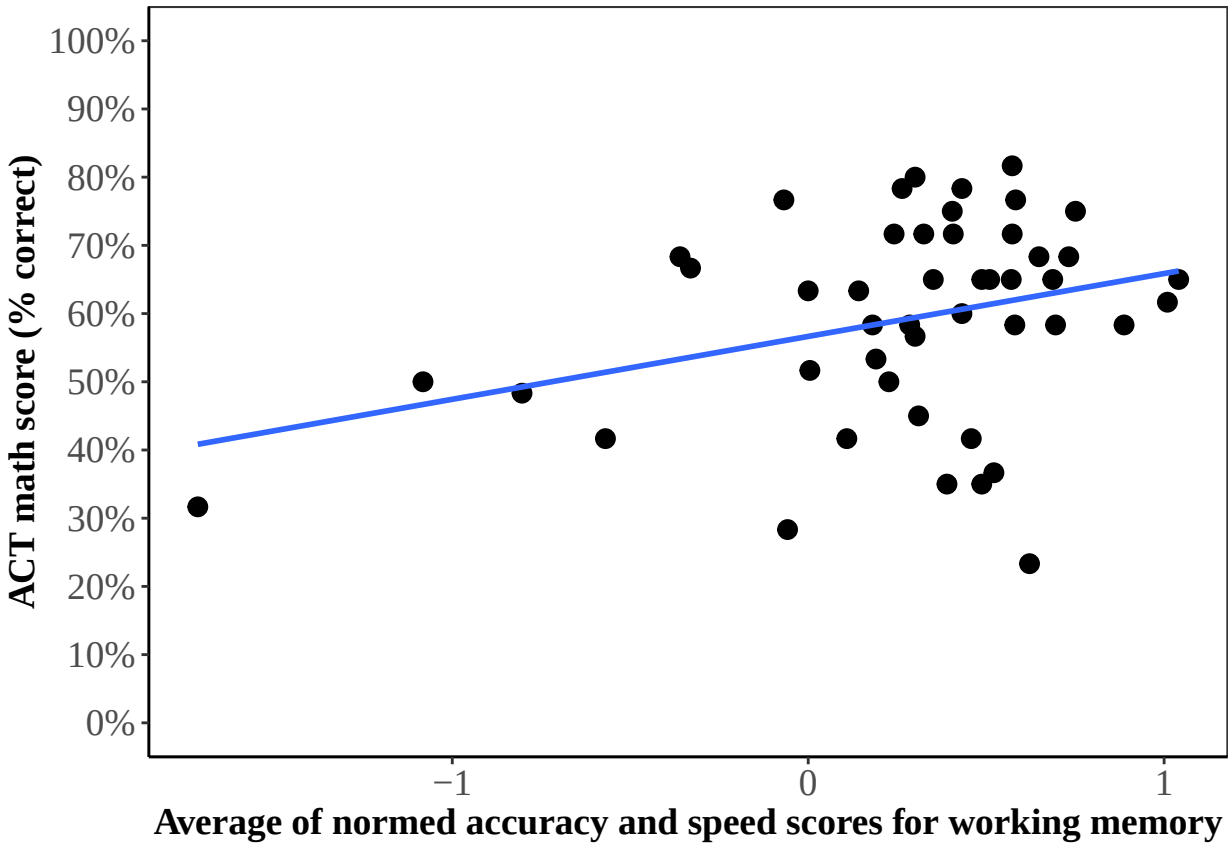
Working memory speed




```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$WM_Sz and finalDF2$ACTmathscore
## t = 1.2338, df = 45, p-value = 0.2237
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1121047  0.4449400
## sample estimates:
##       cor
## 0.1808853
```

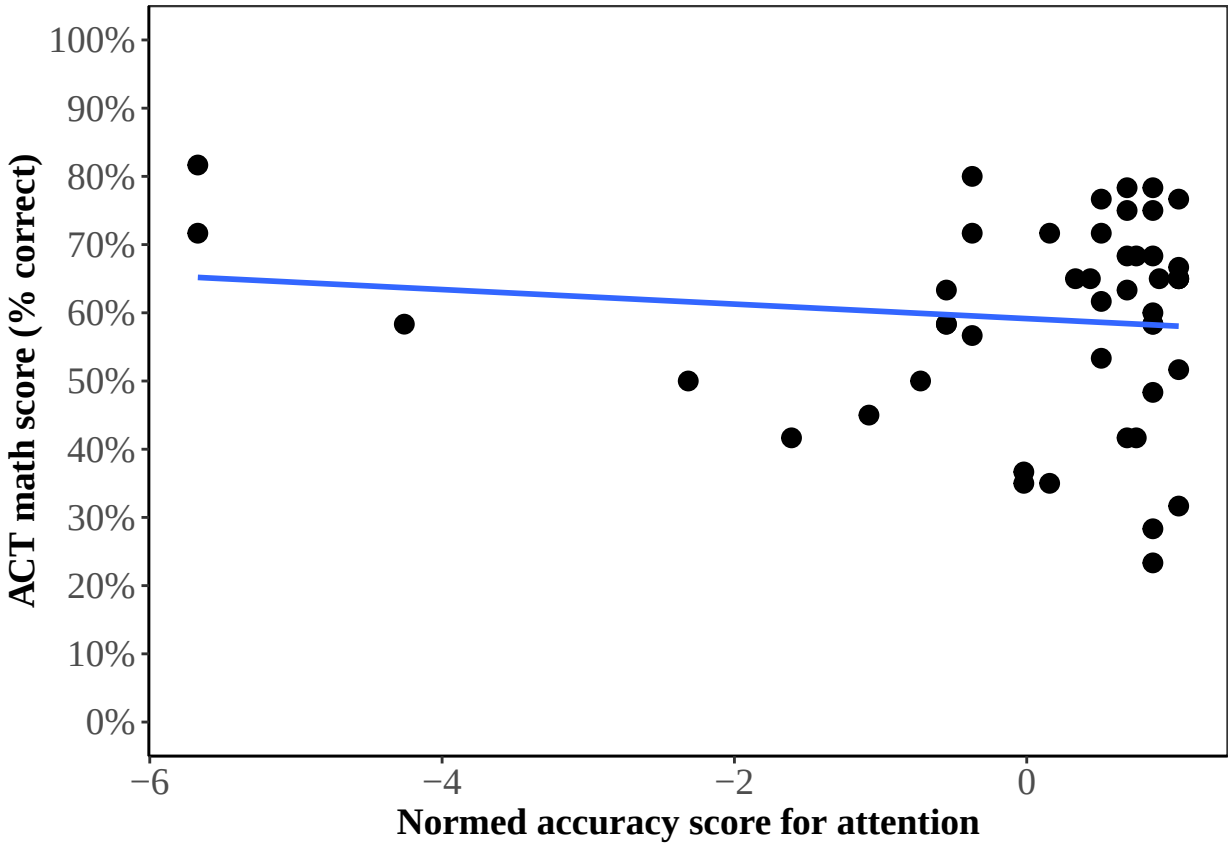
Working memory efficiency ($p < 0.05$)

Average of normed accuracy and speed scores for working memory.



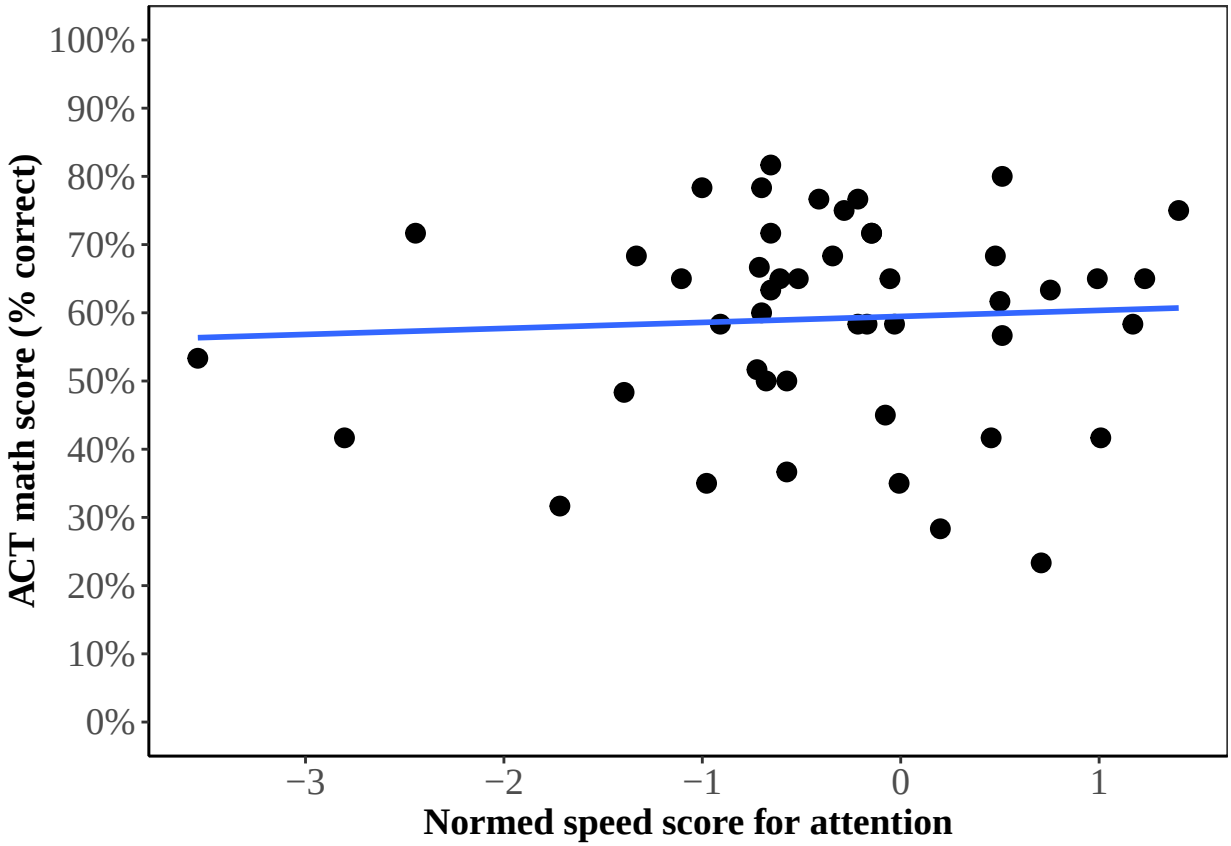

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$WM_EFFICIENCY and finalDF2$ACTmathscore
## t = 2.2683, df = 45, p-value = 0.02816
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.03651763 0.55631819
## sample estimates:
##       cor
## 0.3203253
```

Attention accuracy



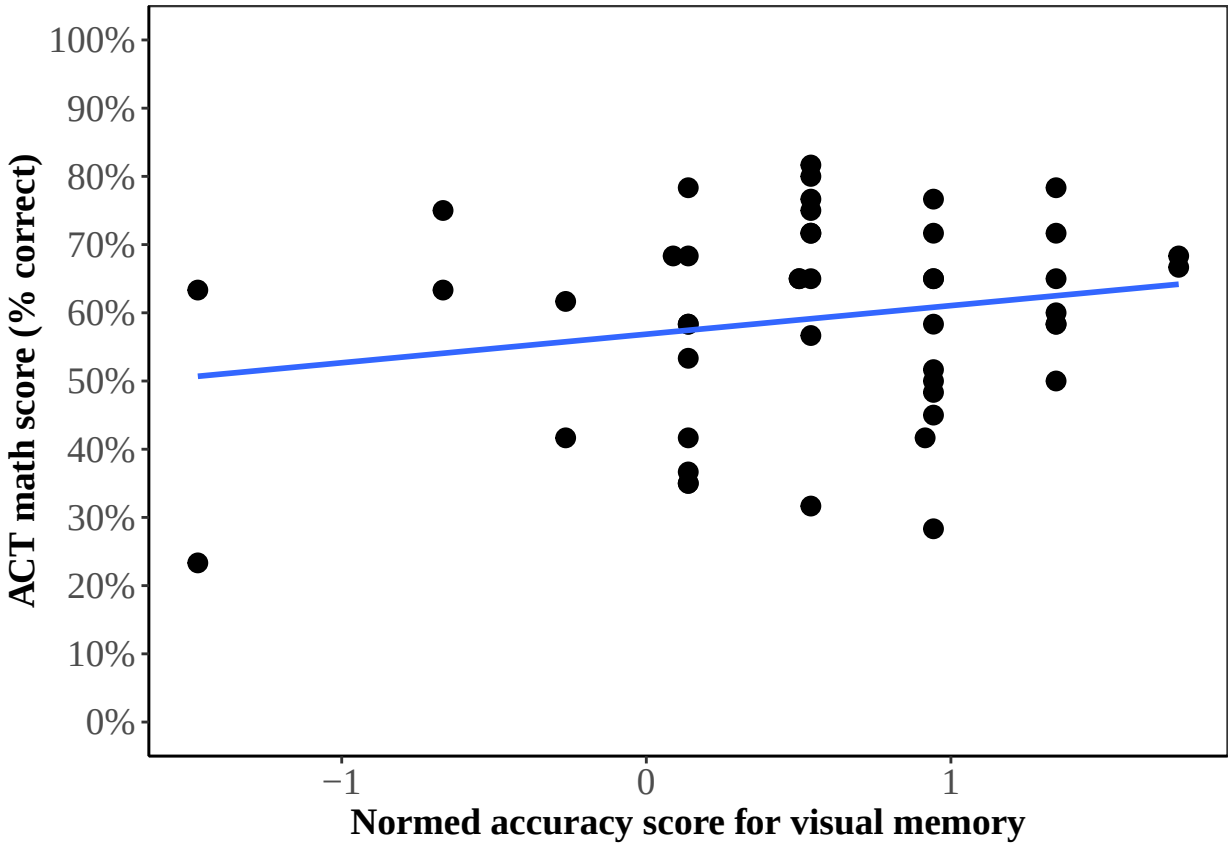

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$ATT_Az and finalDF2$ACTmathscore
## t = -0.76052, df = 45, p-value = 0.4509
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3872884  0.1803510
## sample estimates:
##        cor
## -0.1126501
```

Attention speed



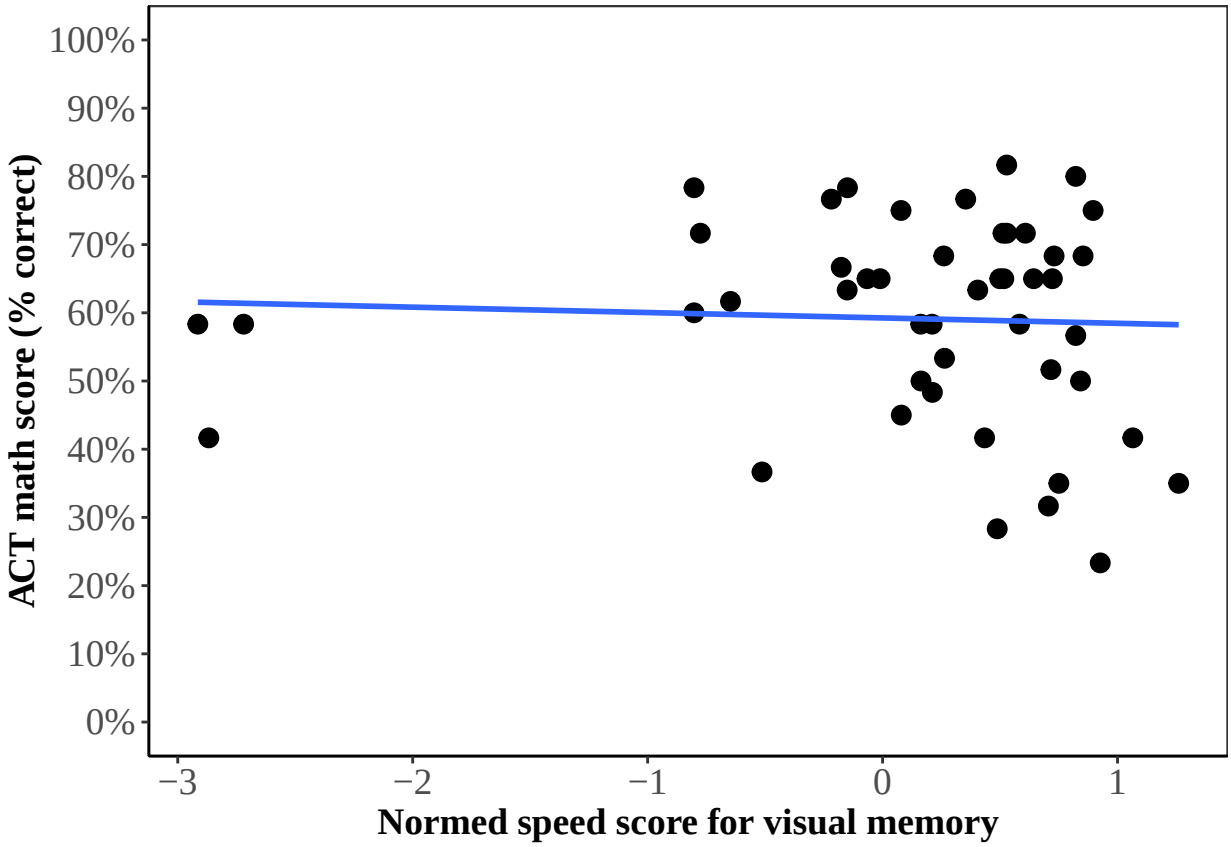

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$ATT_Sz and finalDF2$ACTmathscore
## t = 0.39685, df = 45, p-value = 0.6934
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2320469  0.3404484
## sample estimates:
##       cor
## 0.05905514
```

Visual memory accuracy



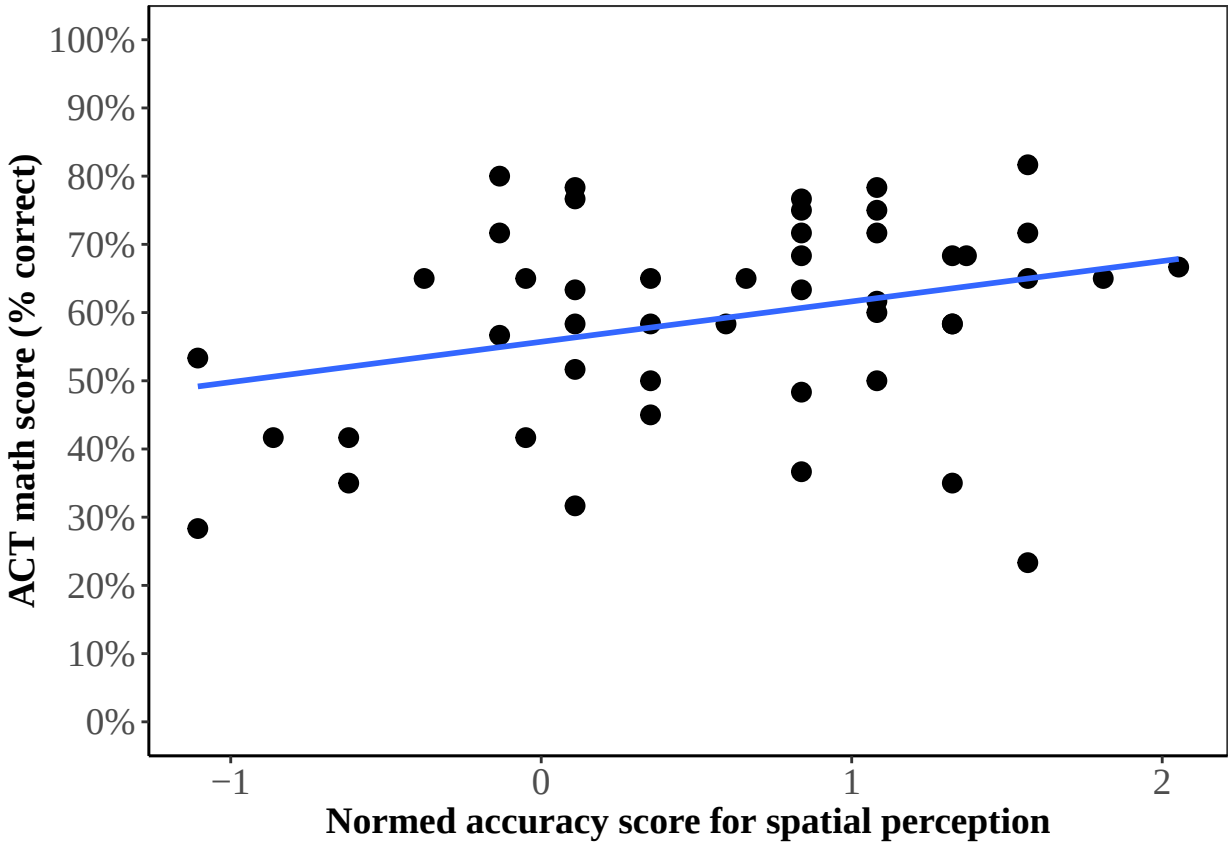

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$SMEM_Az and finalDF2$ACTmathscore
## t = 1.3724, df = 45, p-value = 0.1768
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.09203477  0.46105906
## sample estimates:
##       cor
## 0.2004293
```

Visual memory speed



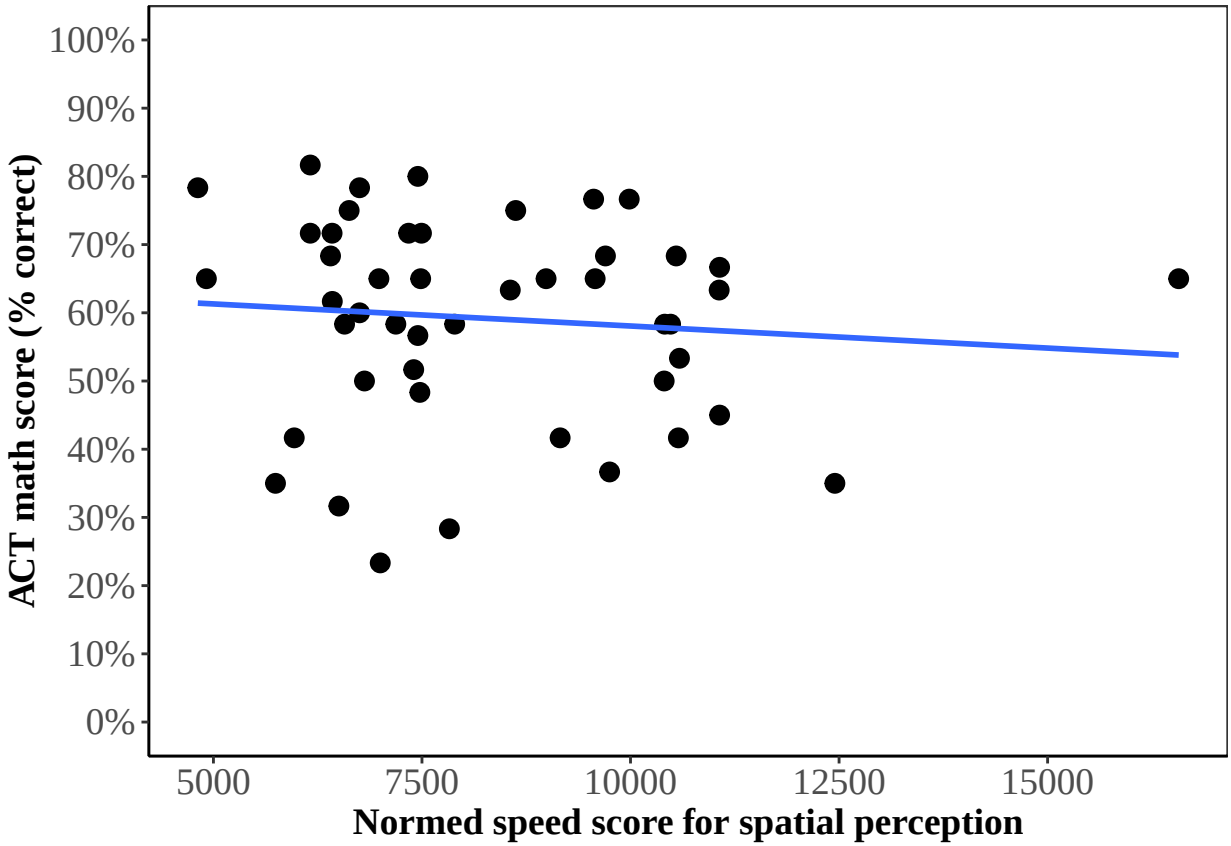

```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$SMEM_Sz and finalDF2$ACTmathscore
## t = -0.33036, df = 45, p-value = 0.7427
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3316697  0.2413886
## sample estimates:
##         cor
## -0.04918781
```

Spatial perception accuracy ($p < 0.05$)




```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$SPA_Az and finalDF2$ACTmathscore
## t = 2.1873, df = 45, p-value = 0.03396
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.02505918 0.54834791
## sample estimates:
##       cor
## 0.3099952
```

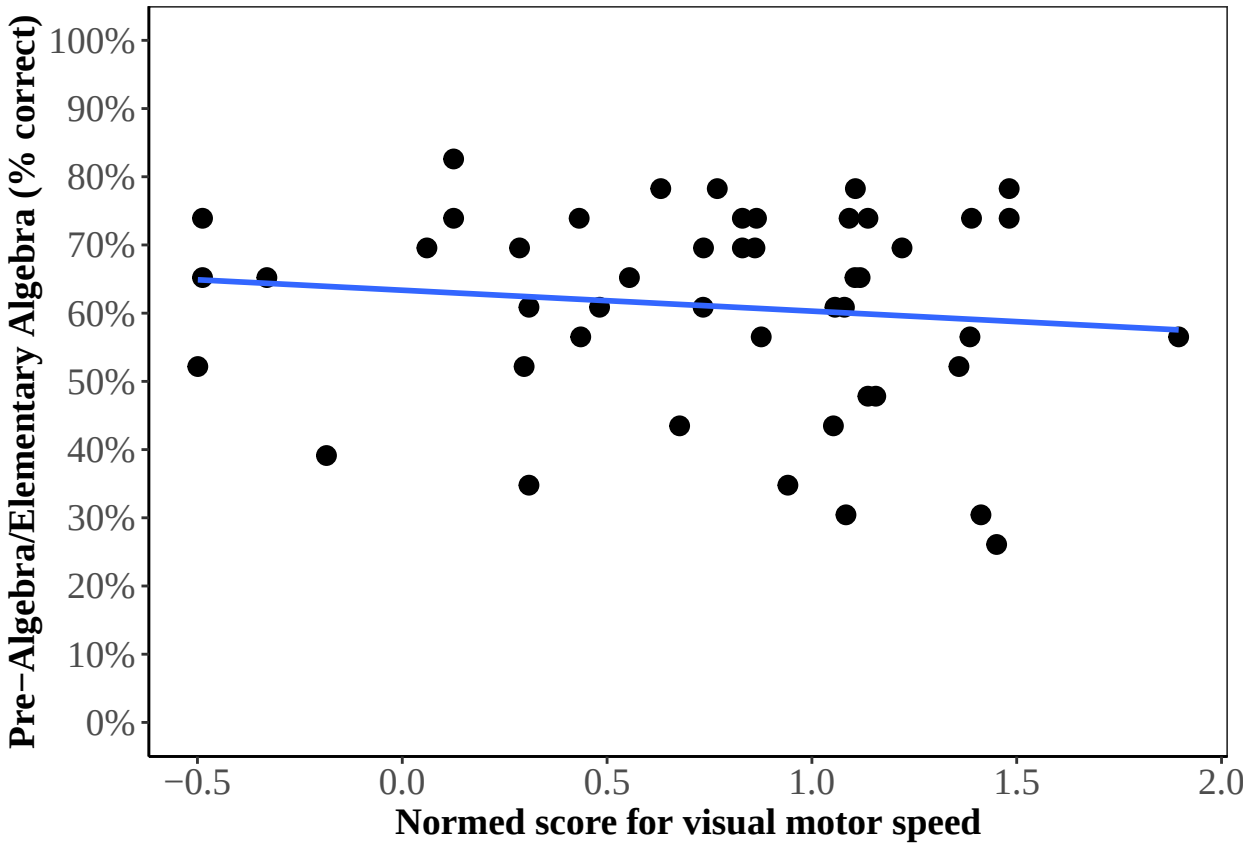
Spatial perception speed




```
##
##  Pearson's product-moment correlation
##
## data:  finalDF2$SPA_Sz and finalDF2$ACTmathscore
## t = -0.65823, df = 45, p-value = 0.5137
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3743237  0.1949806
## sample estimates:
##         cor
## -0.09765404
```

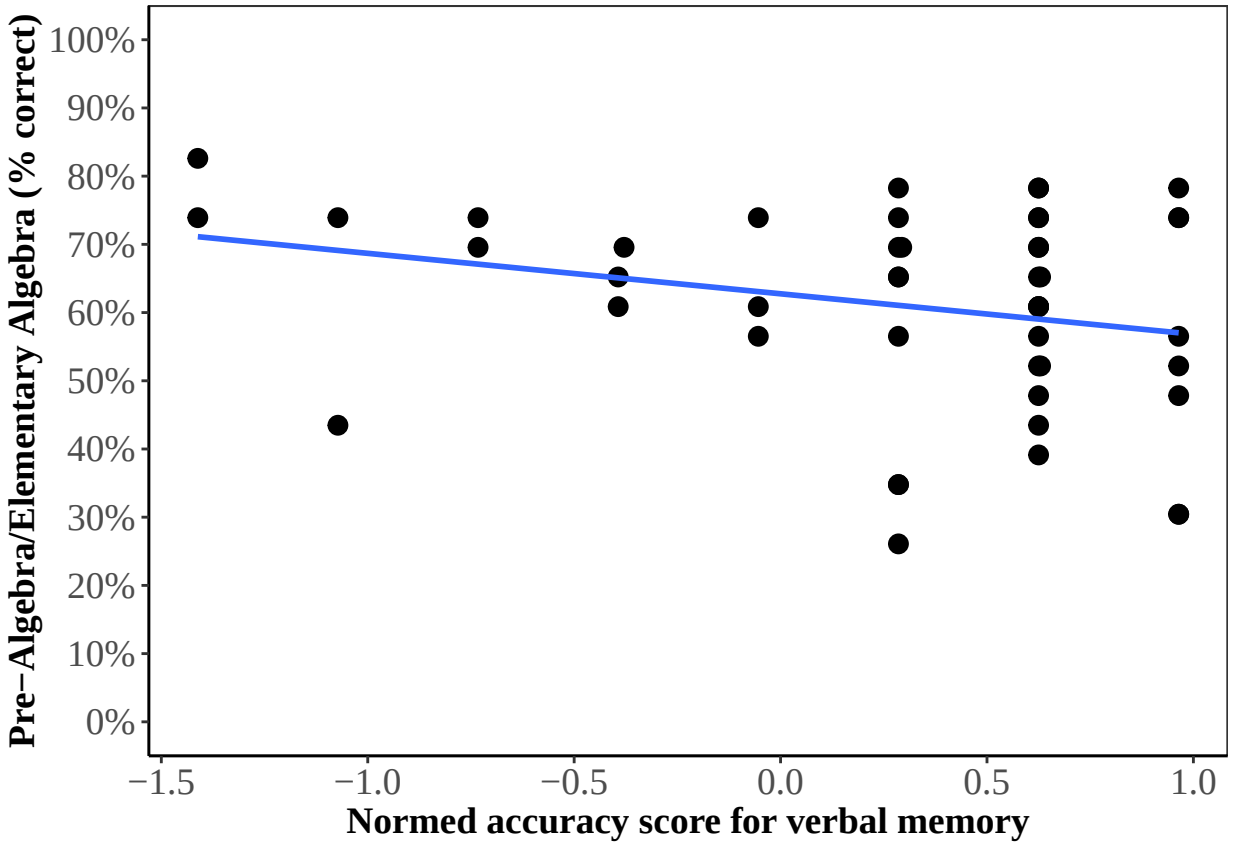
EA/ Pre-Algebra/Elementary Algebra Subsection

Visual motor speed



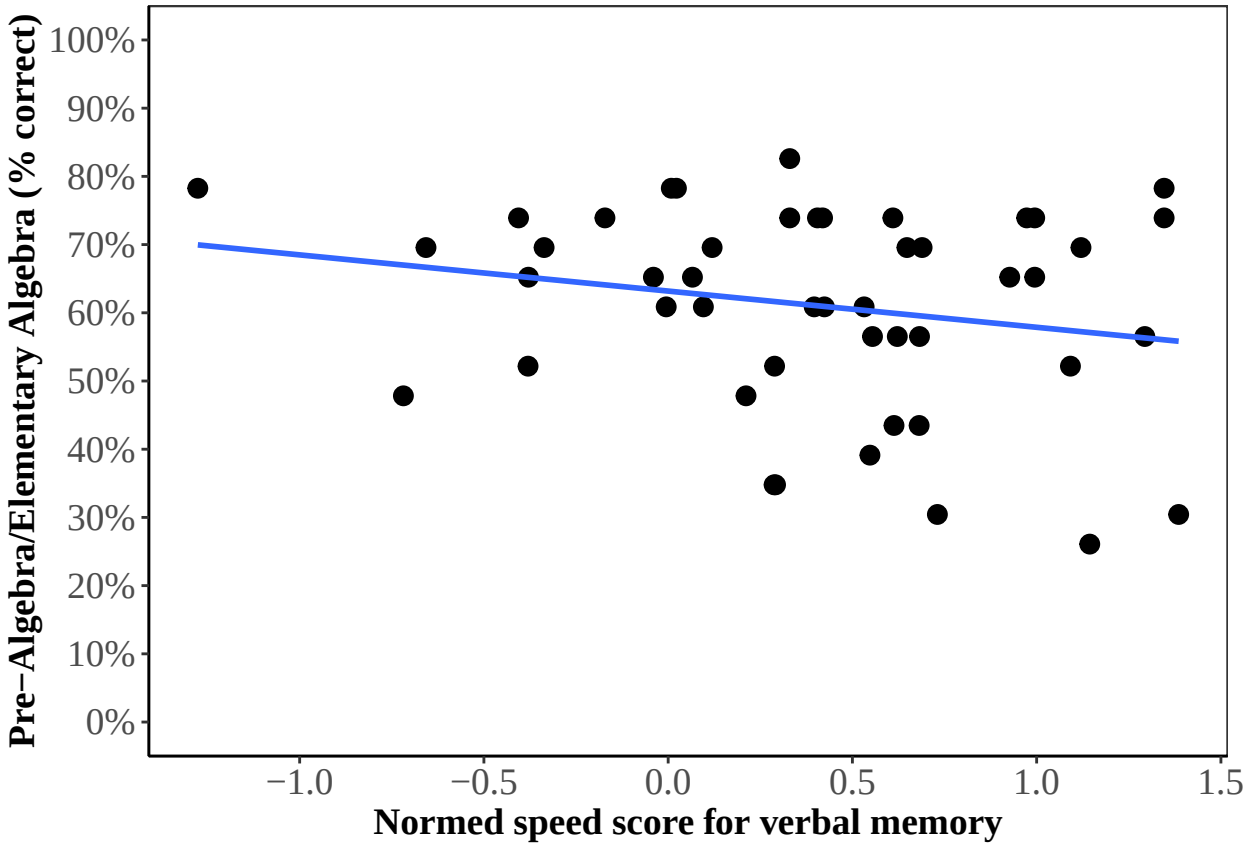

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$SM_Sz and EA_DF$EAscore
## t = -0.81312, df = 45, p-value = 0.4204
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3938878  0.1728063
## sample estimates:
##        cor
## -0.1203319
```

Verbal memory accuracy (p=0.07)



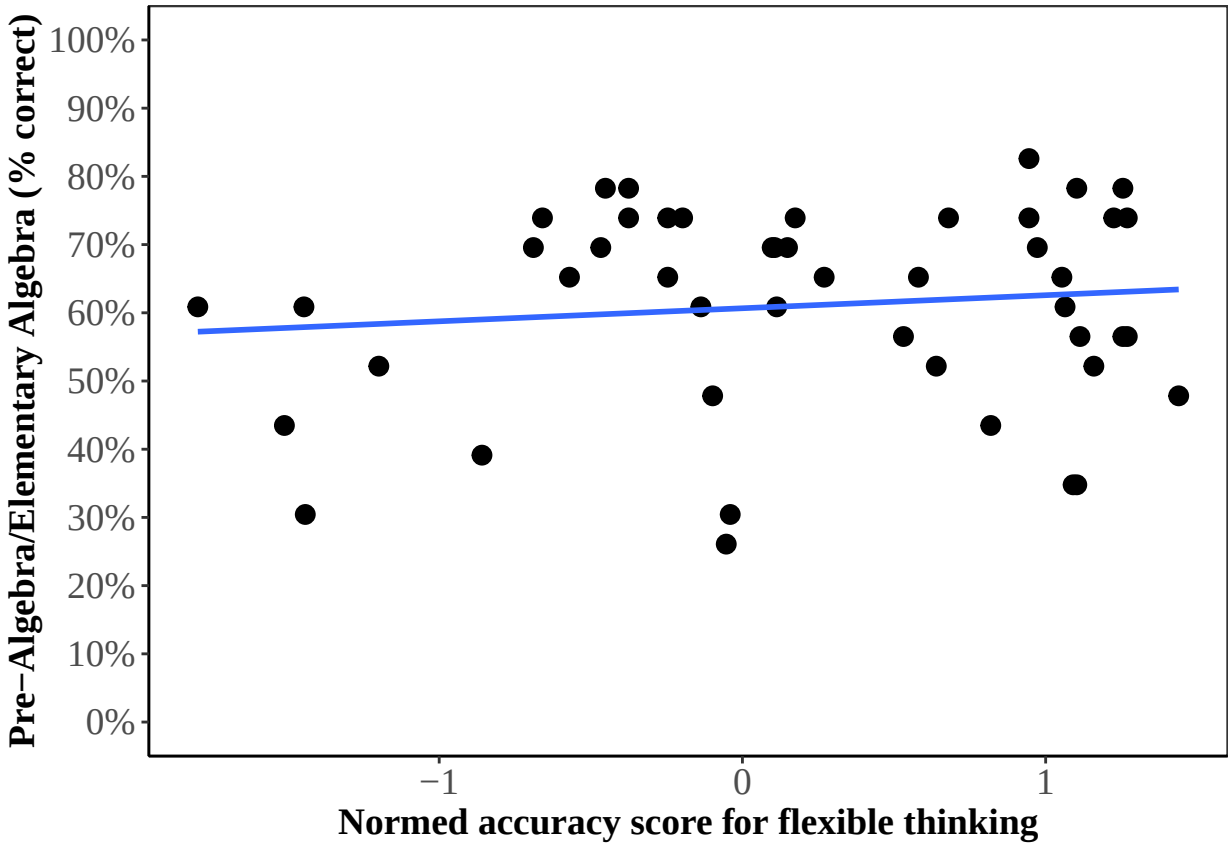

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$VMEM_Az and EA_DF$EAscore
## t = -1.7986, df = 45, p-value = 0.07879
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.5083332  0.0304624
## sample estimates:
##       cor
## -0.2589698
```

Verbal memory speed



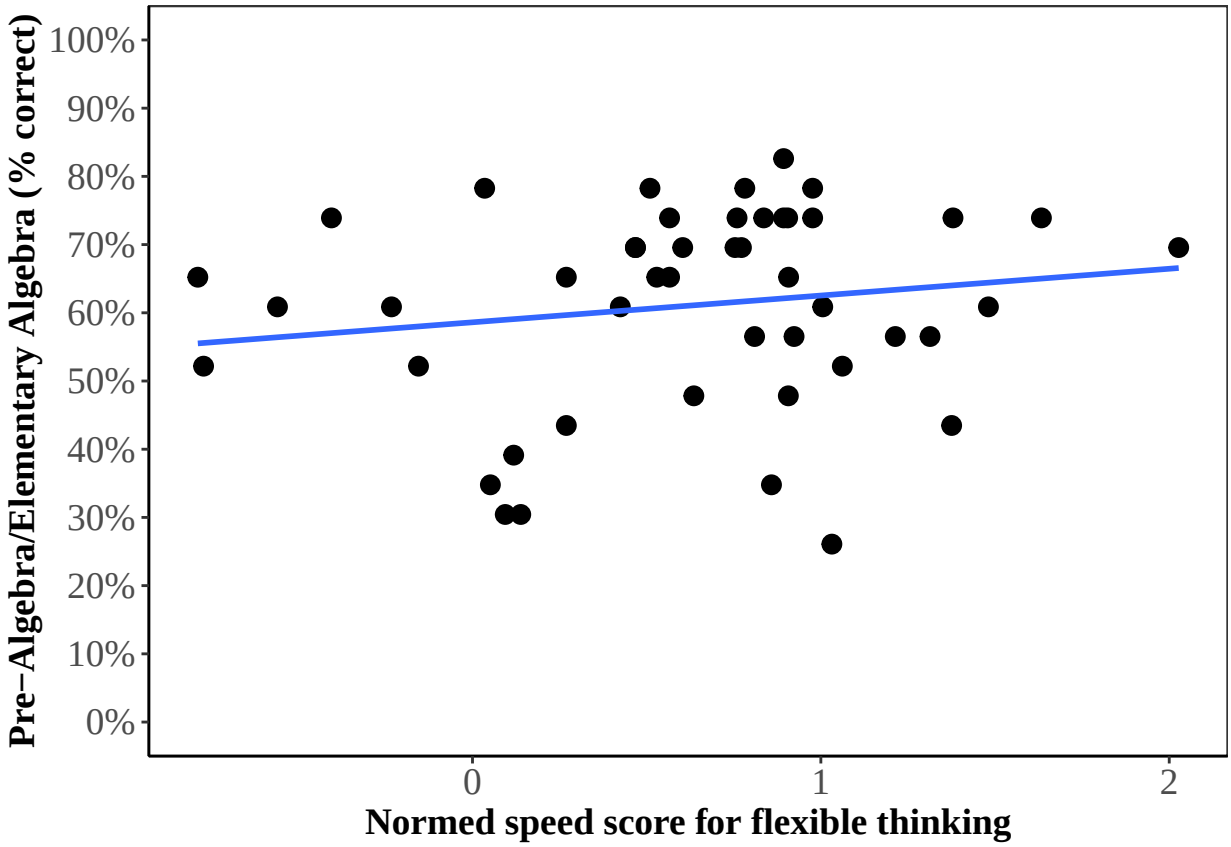

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$VMEM_Sz and EA_DF$EAscore
## t = -1.4636, df = 45, p-value = 0.1503
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.47146973  0.07882903
## sample estimates:
##       cor
## -0.2131632
```

Flexible thinking accuracy



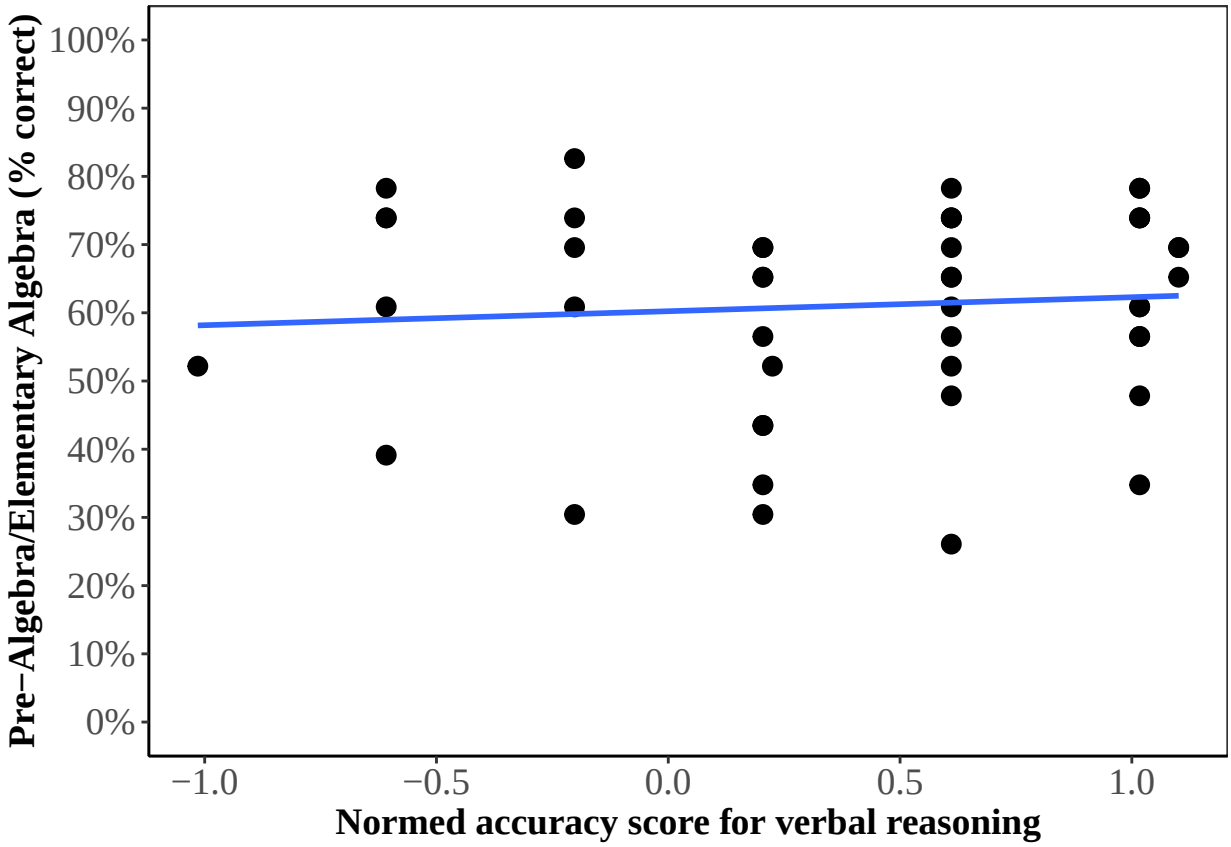

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$ABF_Az and EA_DF$EAscore
## t = 0.77363, df = 45, p-value = 0.4432
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1784716  0.3889377
## sample estimates:
##       cor
## 0.1145669
```

Flexible thinking speed



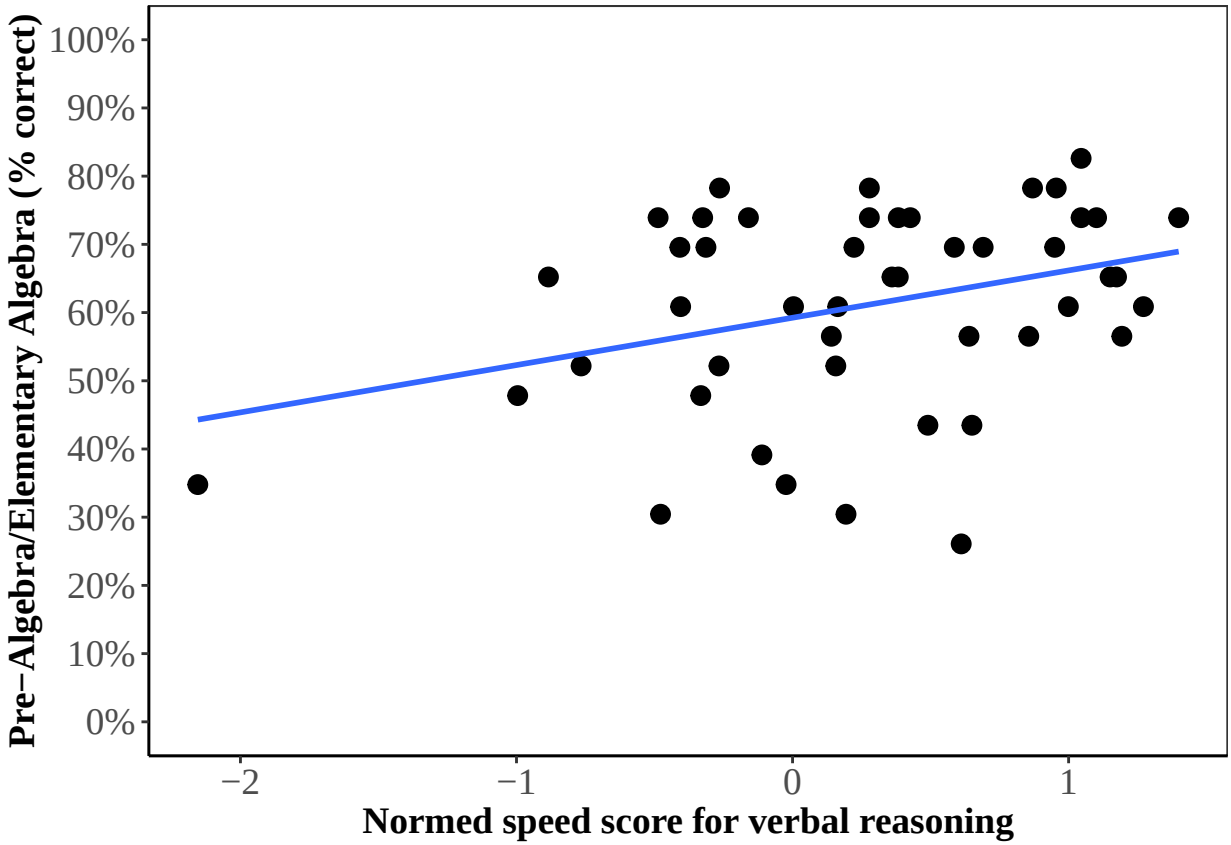

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$ABF_Sz and EA_DF$EAscore
## t = 1.0949, df = 45, p-value = 0.2794
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1321912  0.4284381
## sample estimates:
##       cor
## 0.1610908
```

Verbal reasoning accuracy



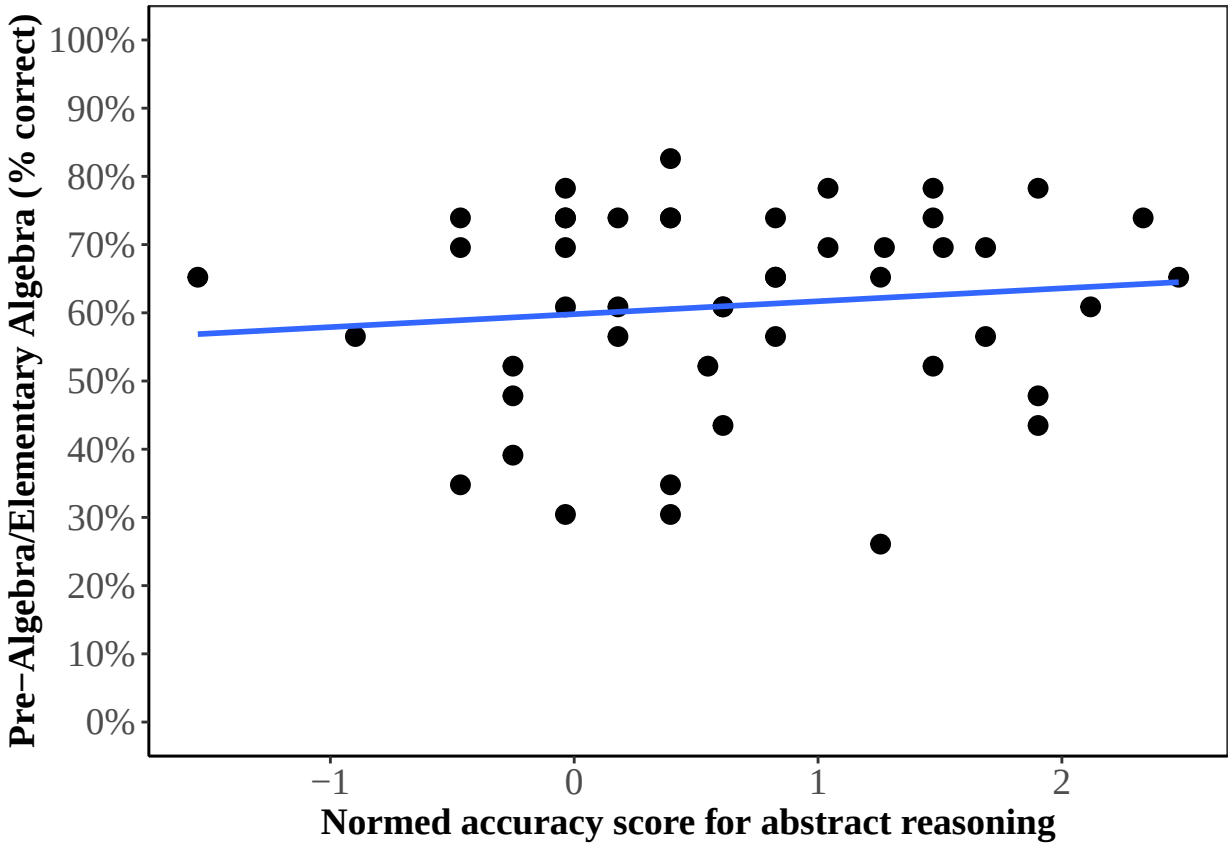

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$LAN_Az and EA_DF$EAscore
## t = 0.546, df = 45, p-value = 0.5878
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2109562  0.3599074
## sample estimates:
##       cor
## 0.08112518
```

Verbal reasoning speed ($p < 0.05$)



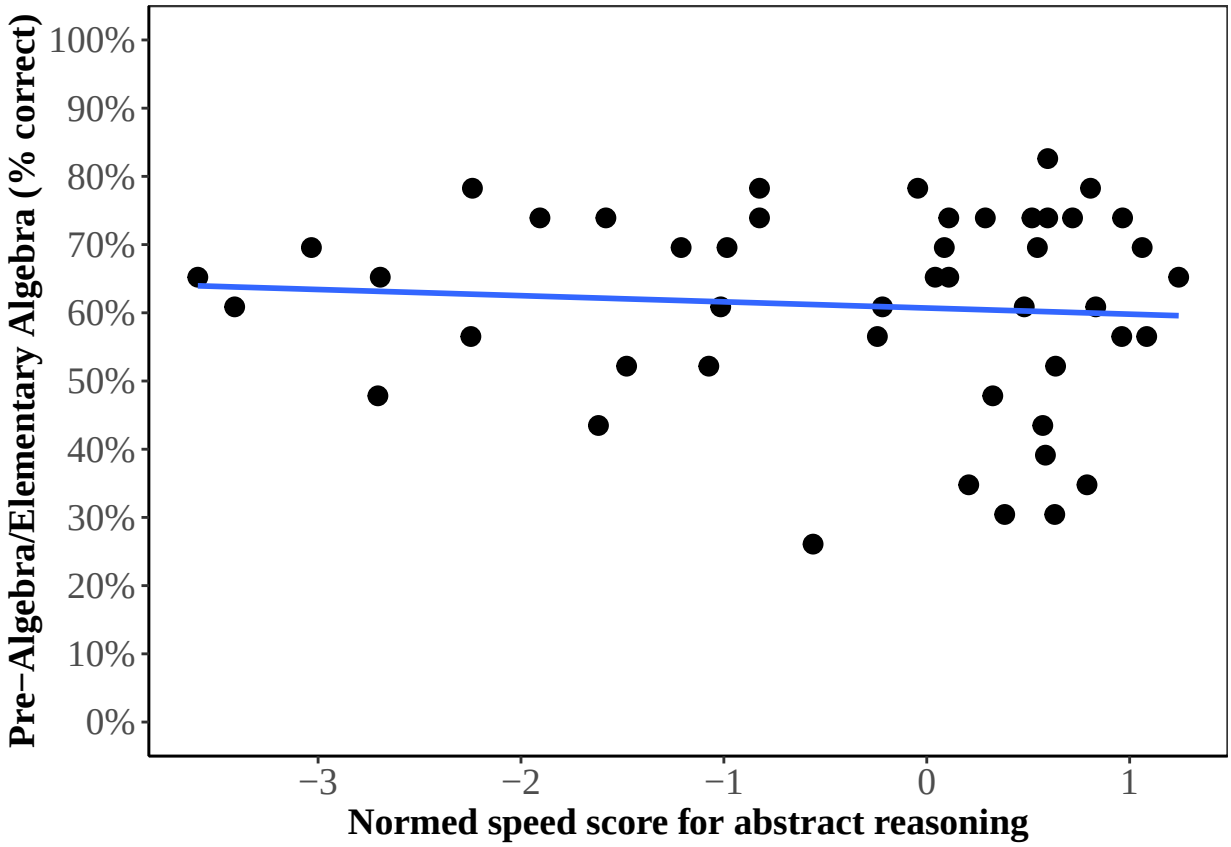

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$LAN_Sz and EA_DF$EAscore
## t = 2.4178, df = 45, p-value = 0.01973
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.05750195 0.57067066
## sample estimates:
##       cor
## 0.3390698
```

Abstract reasoning accuracy



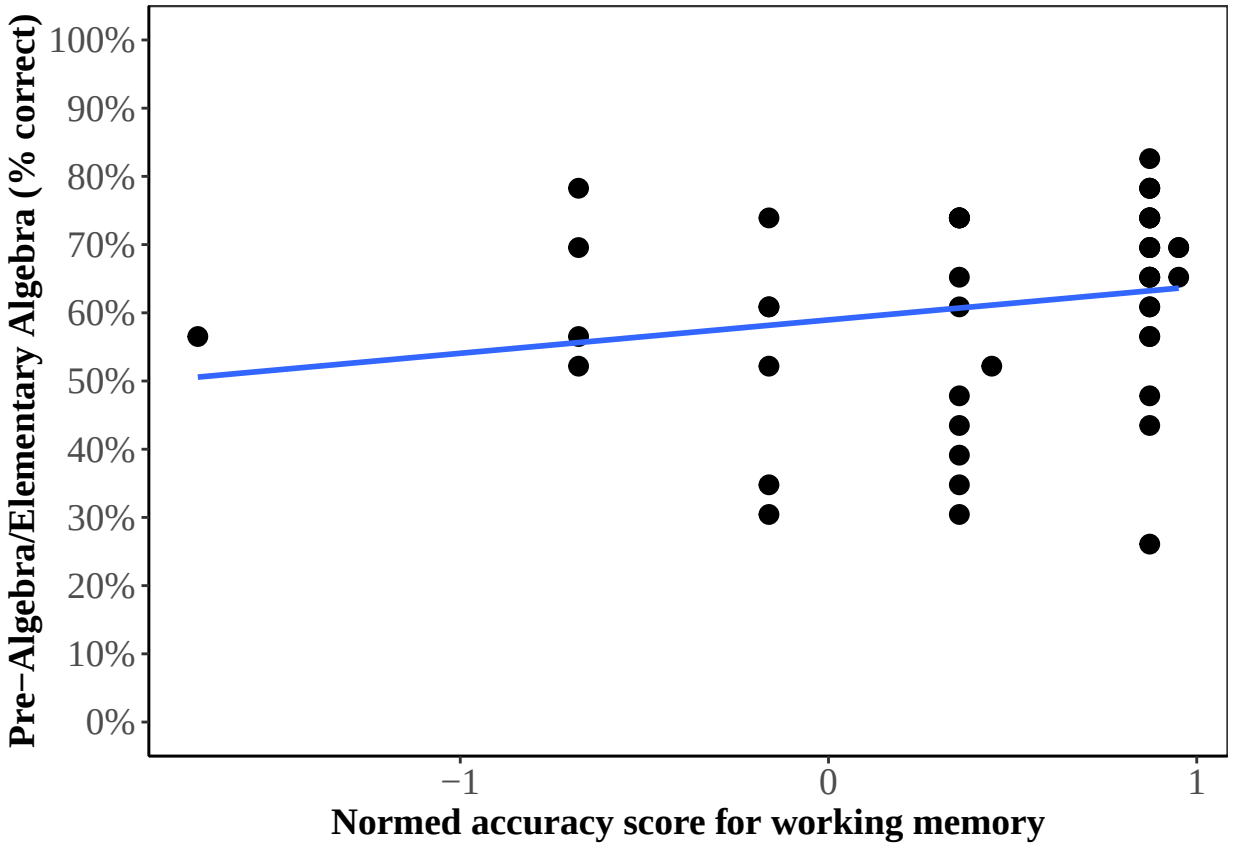

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$NVR_Az and EA_DF$EAscore
## t = 0.77907, df = 45, p-value = 0.44
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1776915  0.3896213
## sample estimates:
##       cor
## 0.1153619
```

Abstract reasoning speed



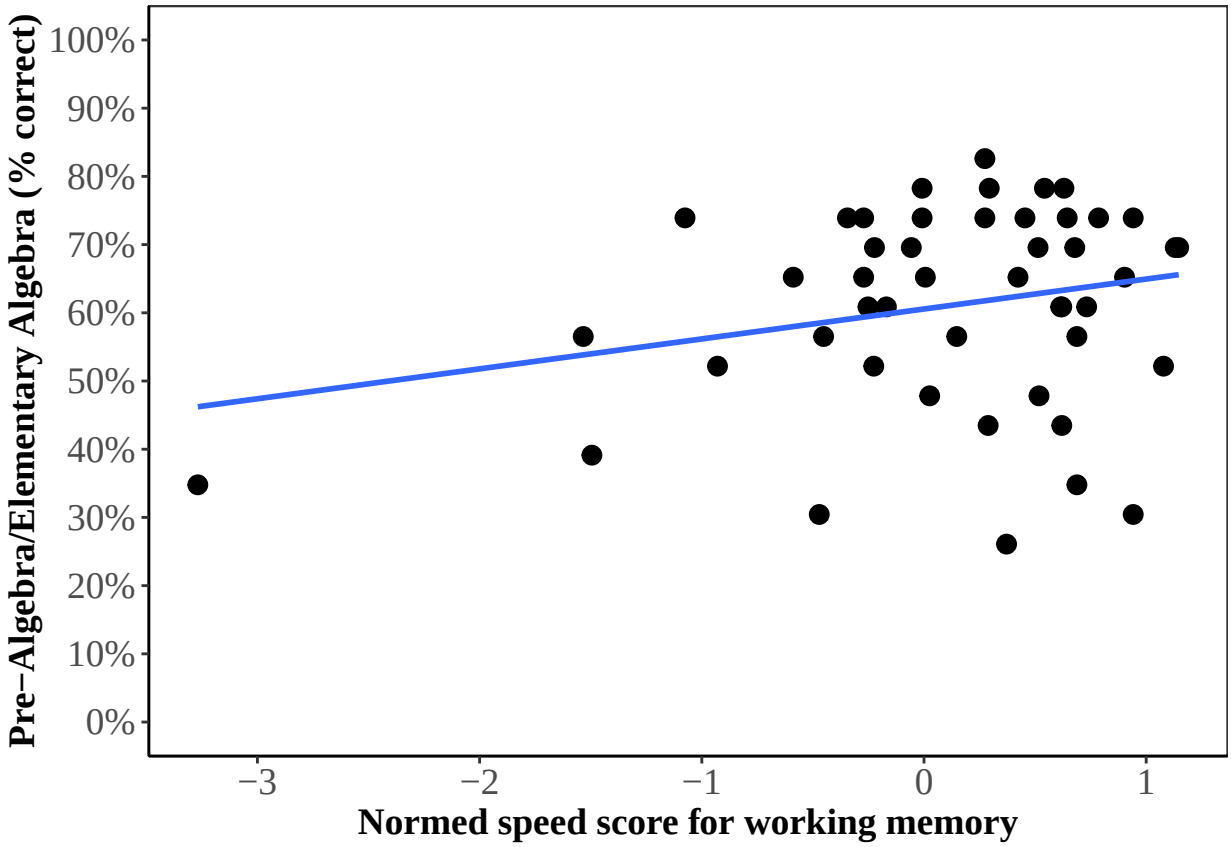

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$NVR_Sz and EA_DF$EAscore
## t = -0.54778, df = 45, p-value = 0.5865
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3601374  0.2107036
## sample estimates:
##         cor
## -0.08138771
```

Working memory accuracy




```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$WM_Az and EA_DF$EAscore
## t = 1.3721, df = 45, p-value = 0.1768
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.09207902  0.46102392
## sample estimates:
##       cor
## 0.2003864
```

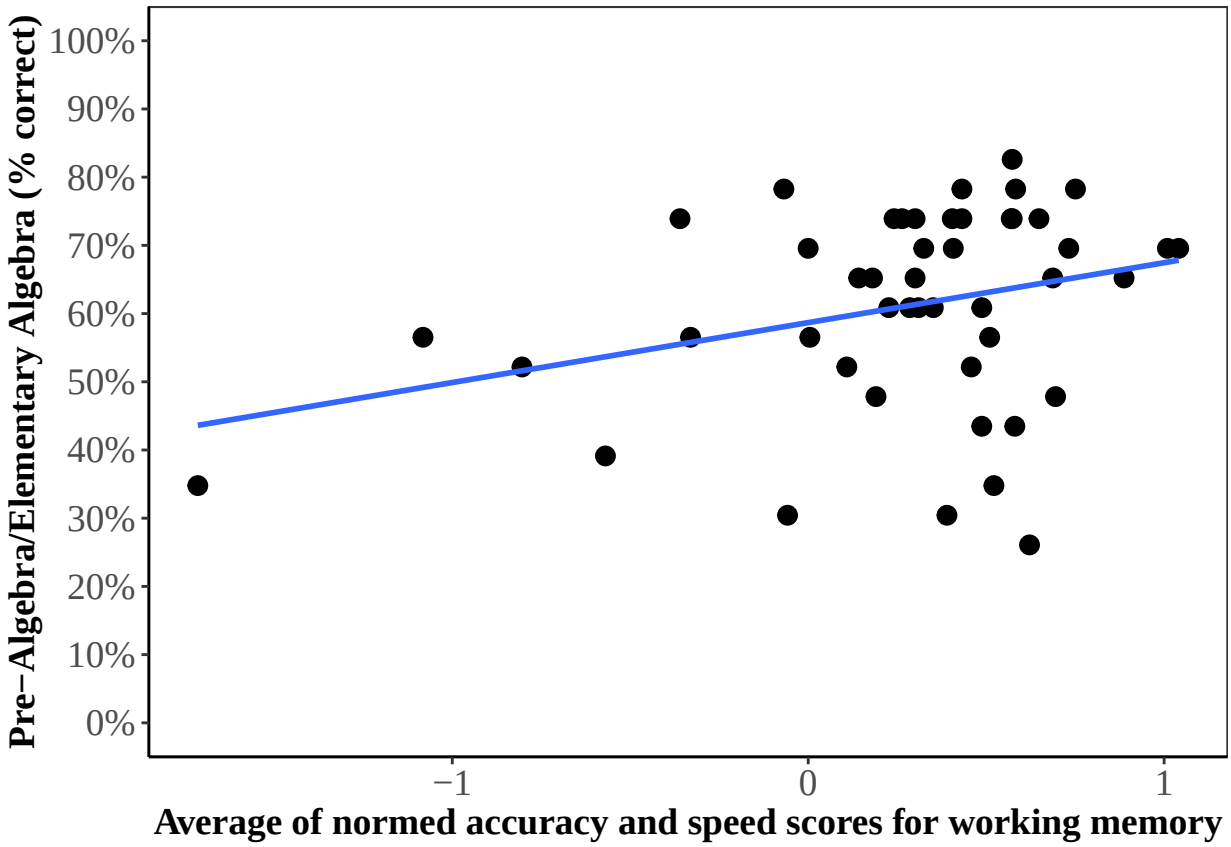
Working memory speed




```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$WM_Sz and EA_DF$EAscore
## t = 1.6831, df = 45, p-value = 0.09928
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.04709705  0.49587370
## sample estimates:
##       cor
## 0.2433611
```

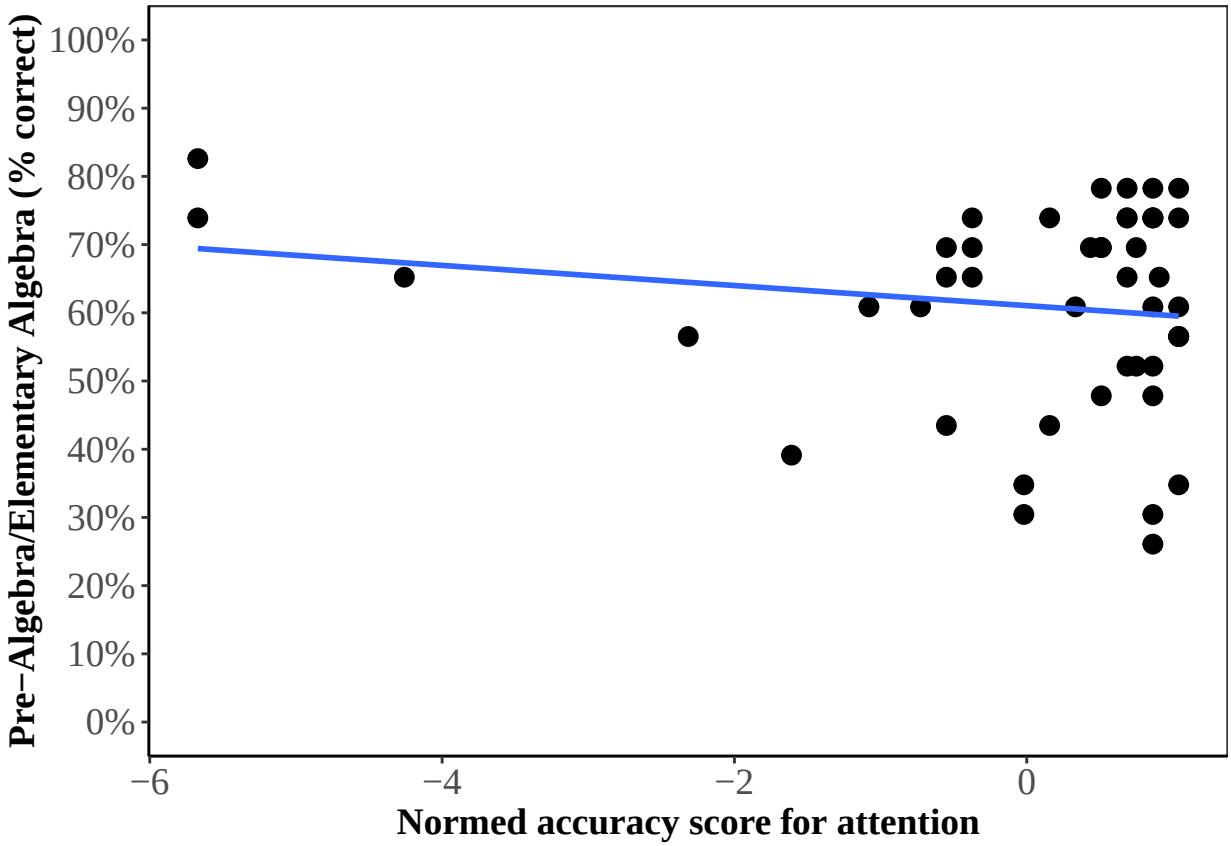
Working memory efficiency ($p < 0.05$)

Average of normed accuracy and speed scores for working memory.



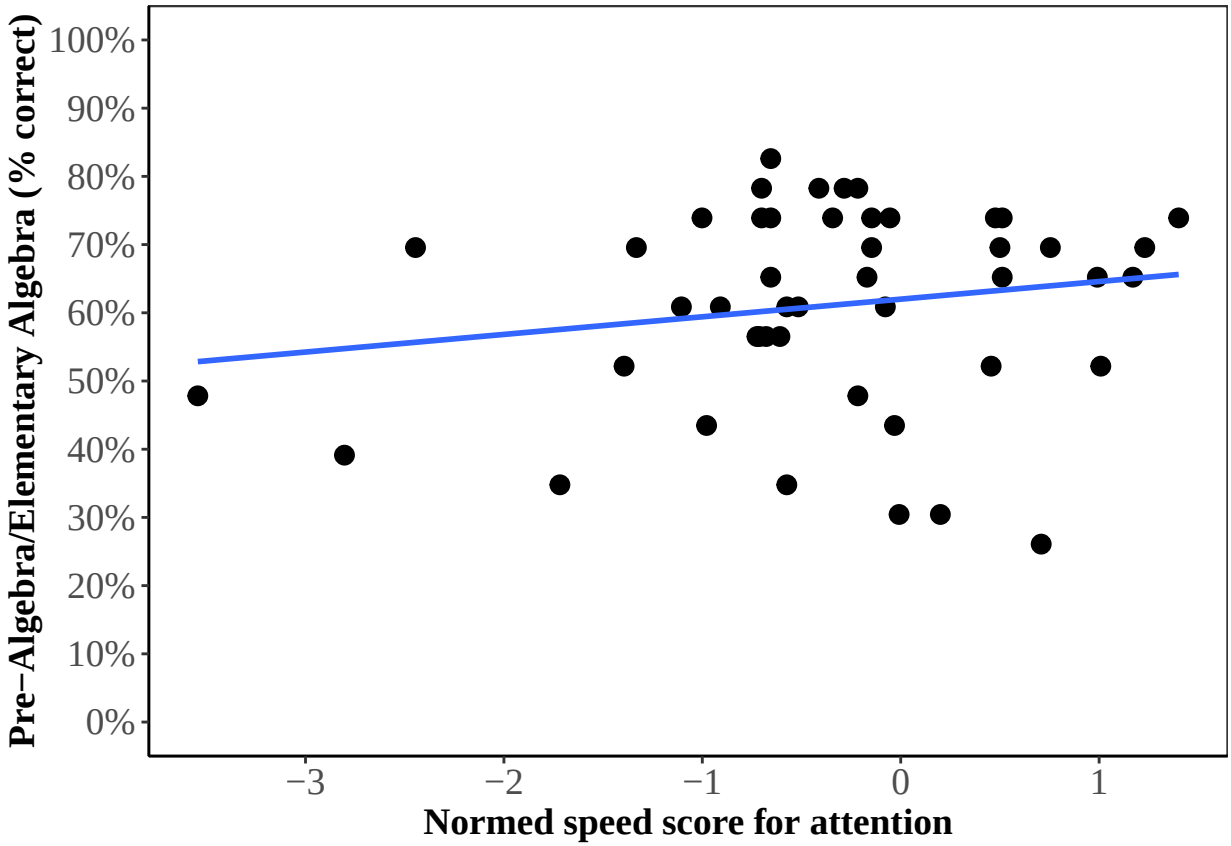

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$WM_EFFICIENCY and EA_DF$EAscore
## t = 2.1771, df = 45, p-value = 0.03476
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.02362372 0.54734269
## sample estimates:
##       cor
## 0.3086964
```

Attention accuracy



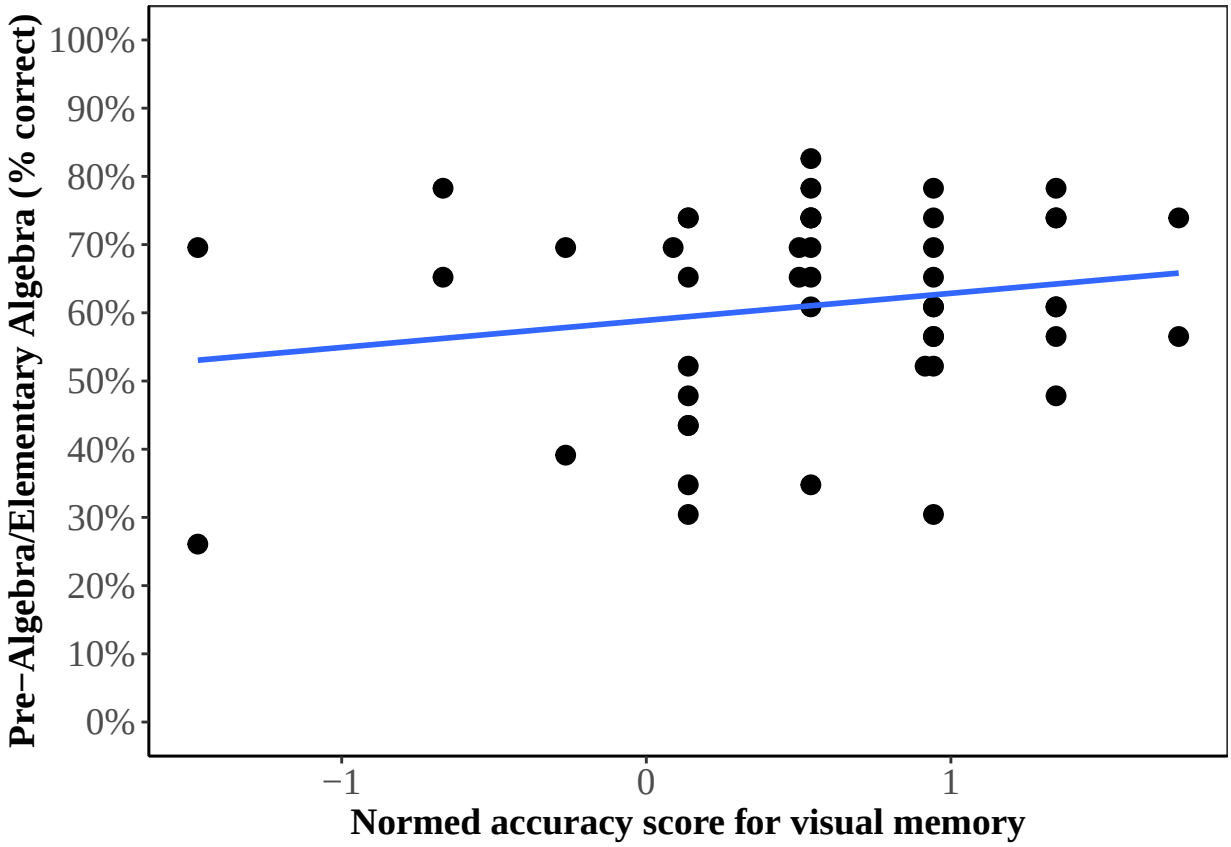

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$ATT_Az and EA_DF$EAscore
## t = -1.072, df = 45, p-value = 0.2894
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4256810  0.1355029
## sample estimates:
##        cor
## -0.1578044
```

Attention speed



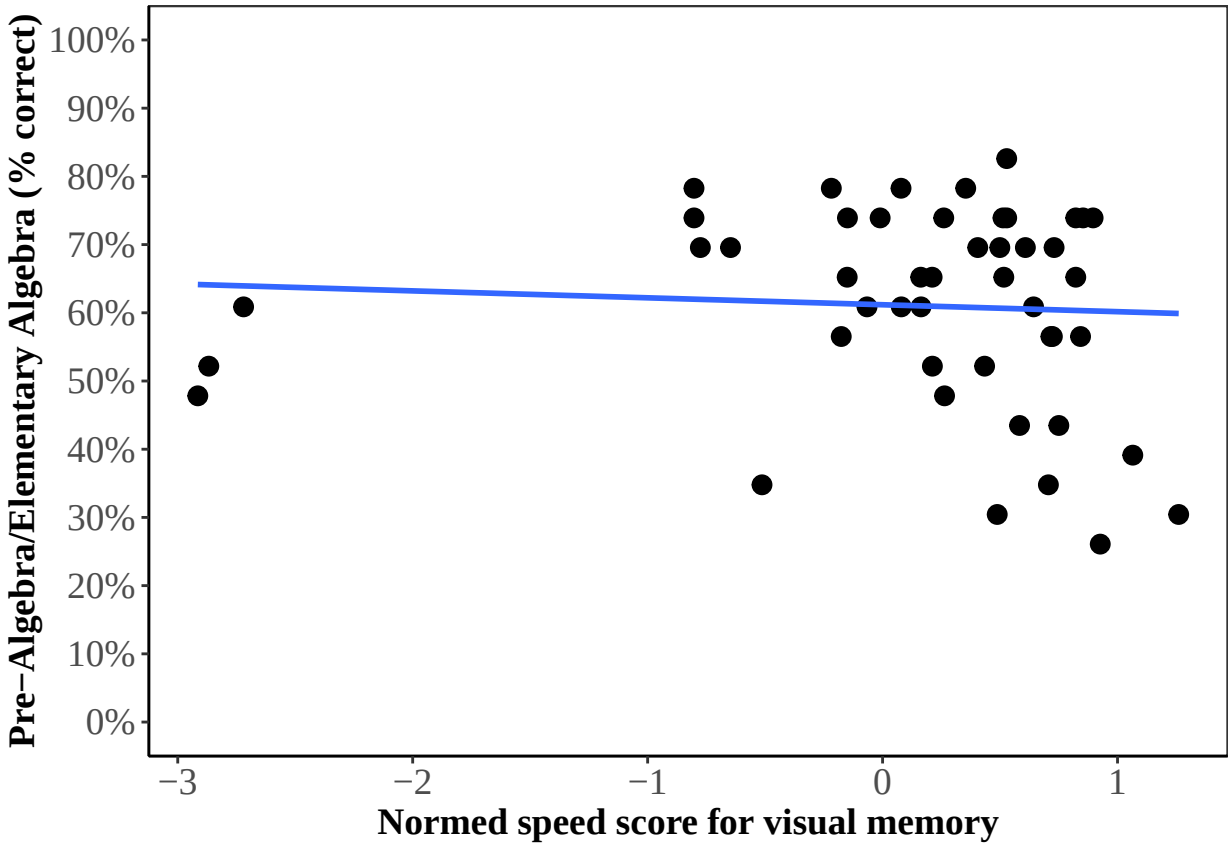

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$ATT_Sz and EA_DF$EAscore
## t = 1.1947, df = 45, p-value = 0.2385
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1177629  0.4403295
## sample estimates:
##       cor
## 0.1753333
```

Visual memory accuracy



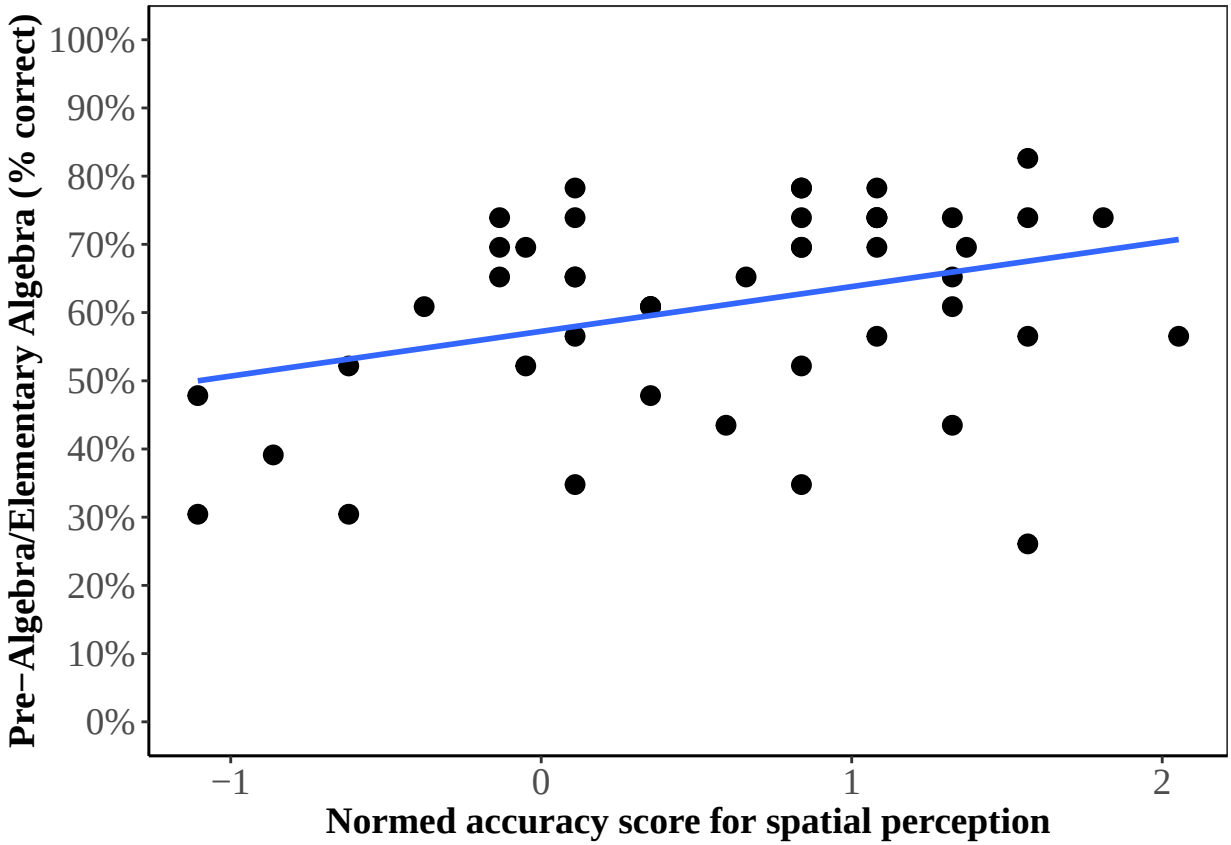

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$SMEM_Az and EA_DF$EAscore
## t = 1.3123, df = 45, p-value = 0.1961
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1007360  0.4541152
## sample estimates:
##       cor
## 0.1919845
```

Visual memory speed



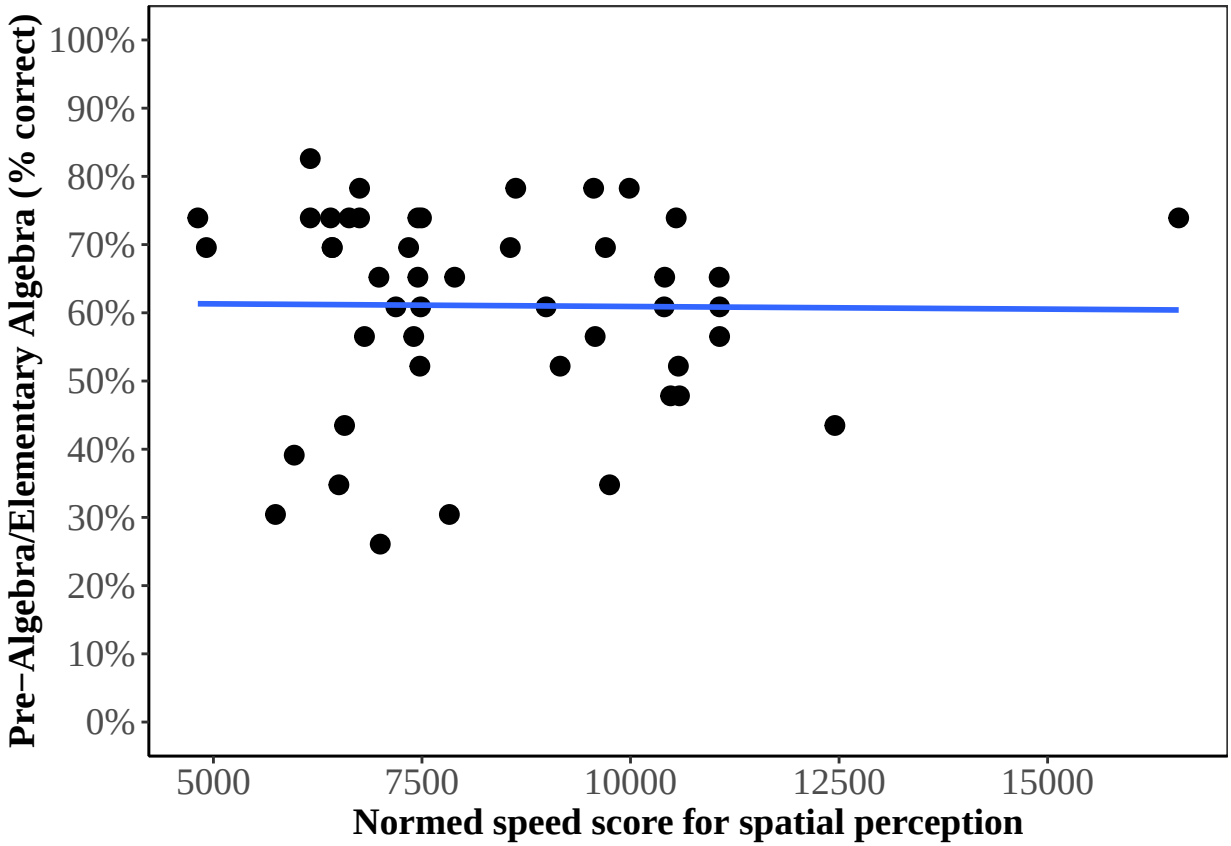

```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$SMEM_Sz and EA_DF$EAscore
## t = -0.43072, df = 45, p-value = 0.6687
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3448971  0.2272721
## sample estimates:
##         cor
## -0.06407668
```

Spatial perception accuracy ($p < 0.05$)




```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$SPA_Az and EA_DF$EAscore
## t = 2.4879, df = 45, p-value = 0.01662
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.06727802 0.57725175
## sample estimates:
##       cor
## 0.3477267
```

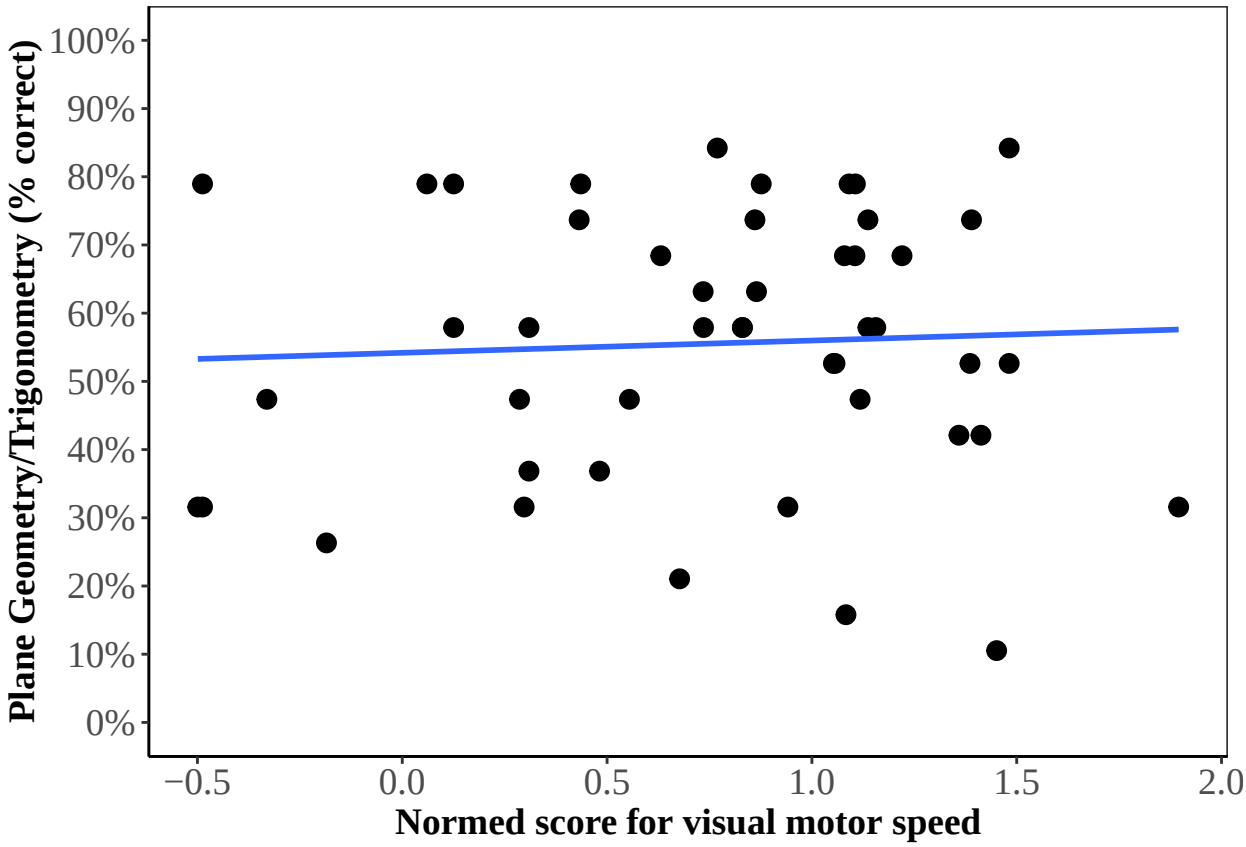
Spatial perception speed




```
##
##  Pearson's product-moment correlation
##
## data:  EA_DF$SPA_Sz and EA_DF$EAscore
## t = -0.079324, df = 45, p-value = 0.9371
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2979791  0.2762808
## sample estimates:
##         cor
## -0.01182408
```

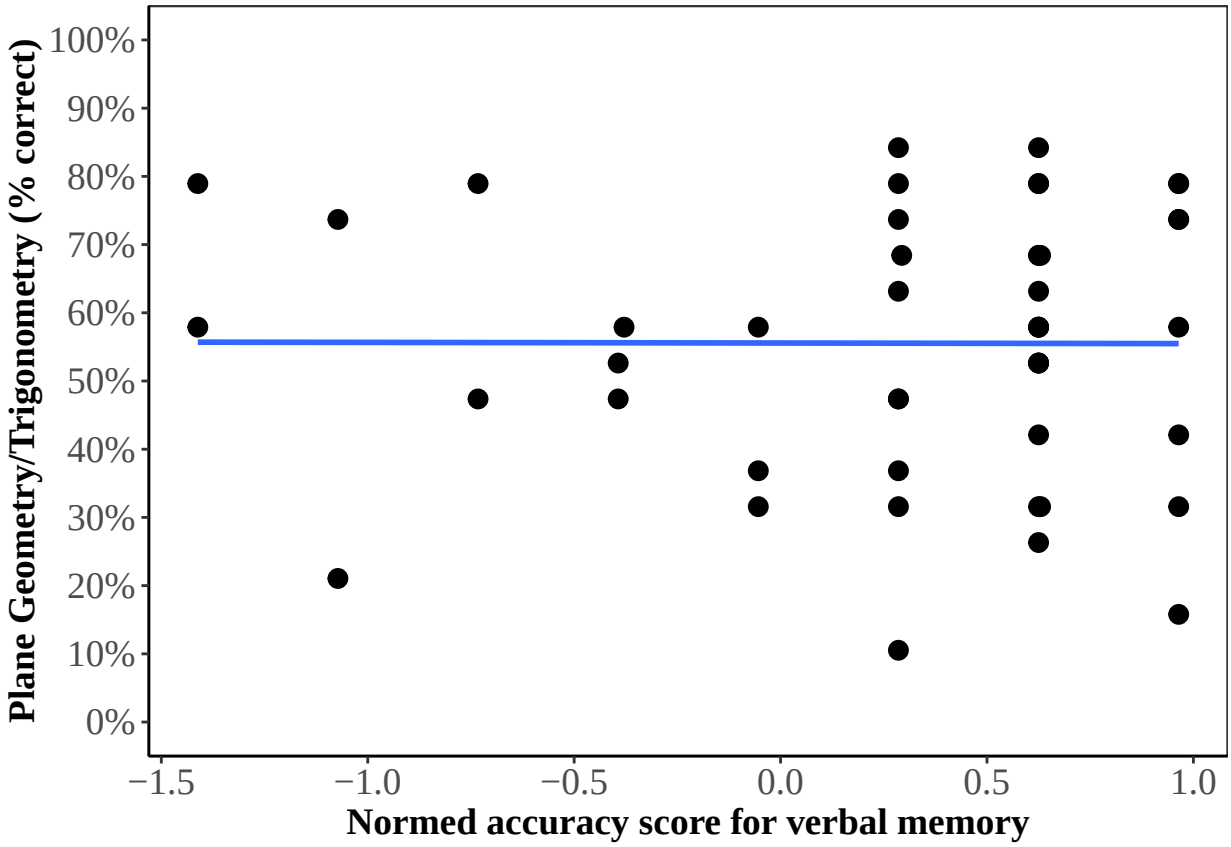
GT/ Plane Geometry/Trigonometry Subsection

Visual motor speed



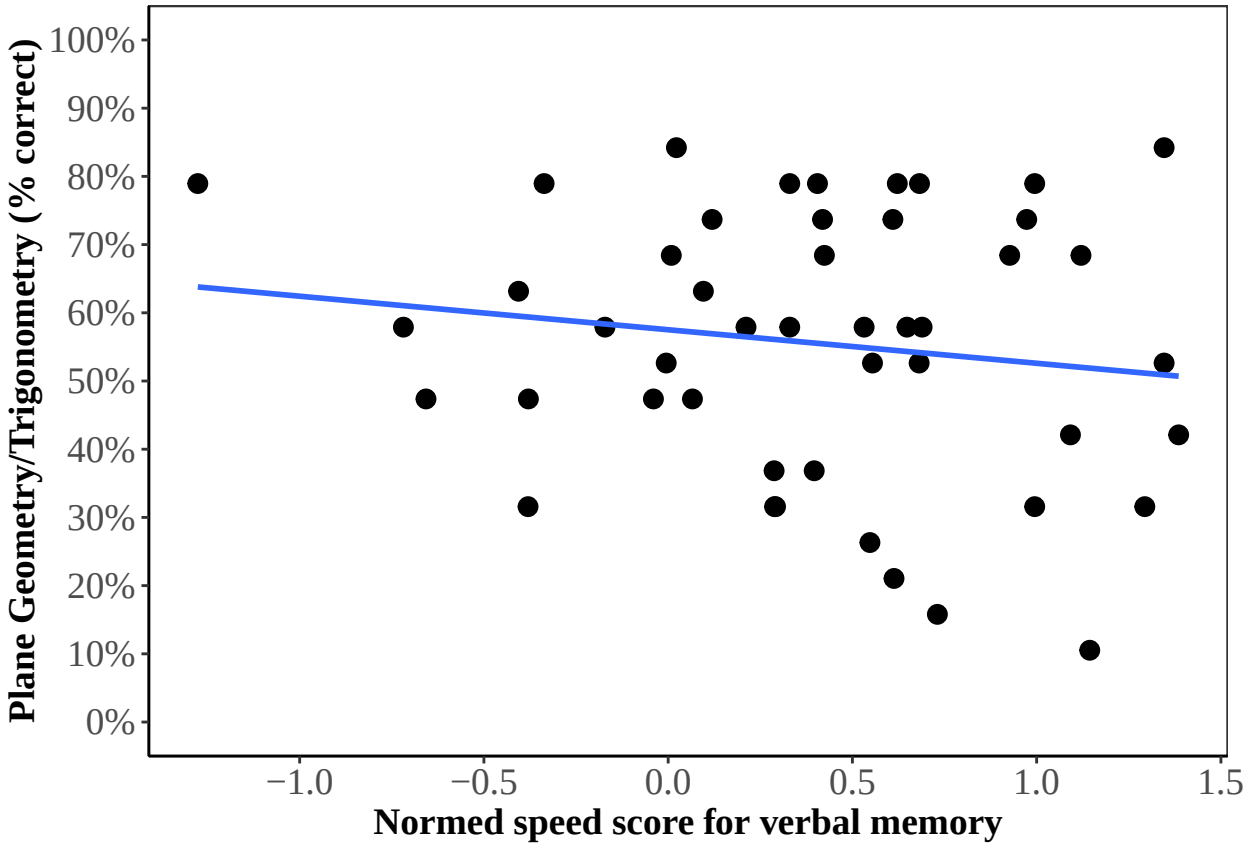

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$SM_Sz and GT_DF$GTscore
## t = 0.35689, df = 45, p-value = 0.7228
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2376652  0.3351807
## sample estimates:
##       cor
## 0.05312756
```

Verbal memory accuracy



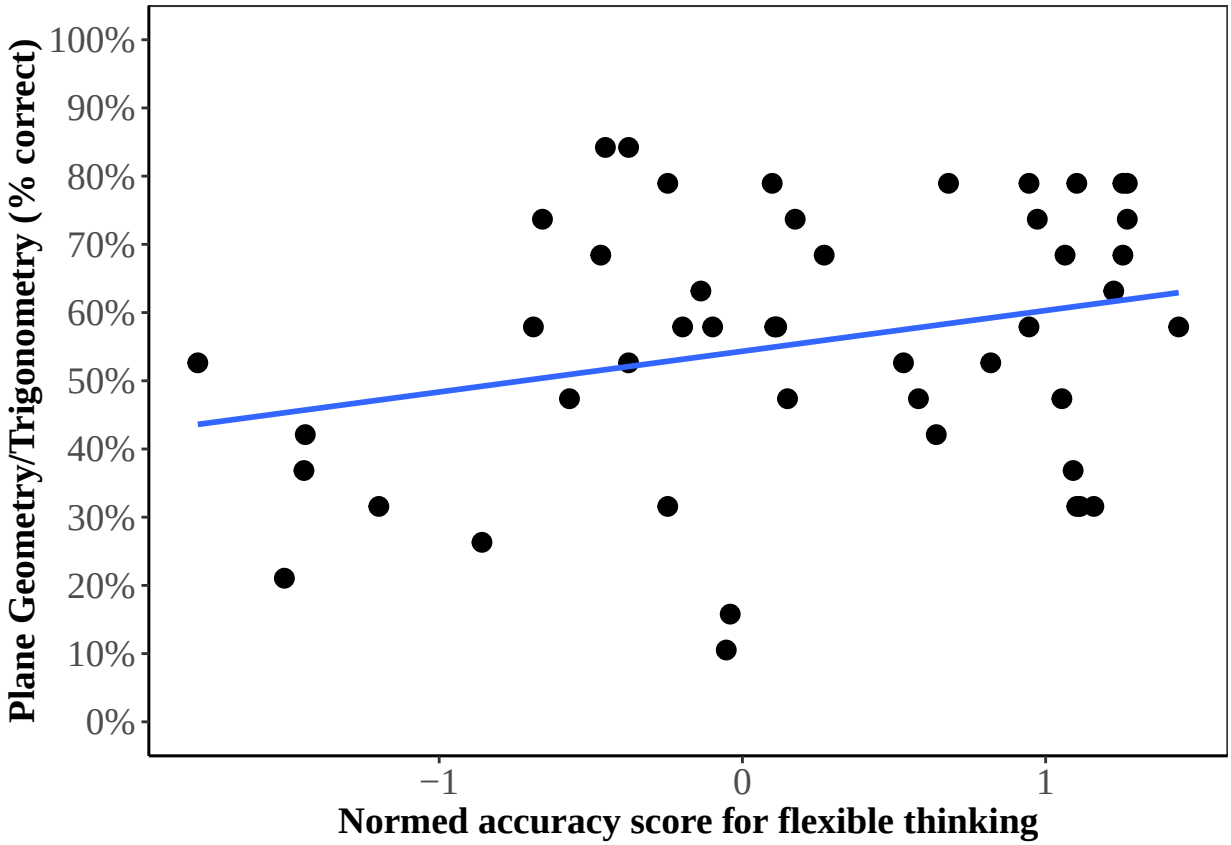

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$VMEM_Az and GT_DF$GTscore
## t = -0.019861, df = 45, p-value = 0.9842
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2898811  0.2844479
## sample estimates:
##          cor
## -0.002960746
```

Verbal memory speed



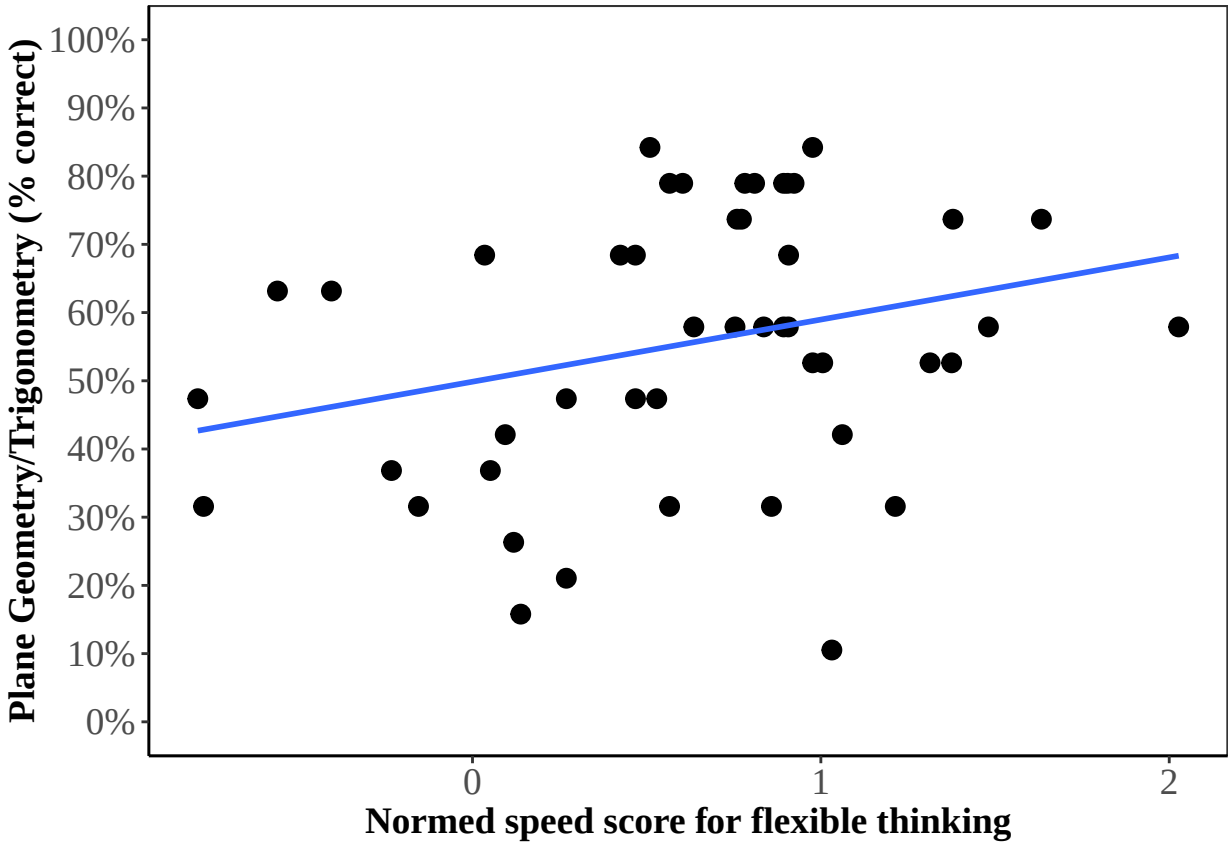

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$VMEM_Sz and GT_DF$GTscore
## t = -1.0077, df = 45, p-value = 0.319
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4178974  0.1447849
## sample estimates:
##       cor
## -0.1485586
```

Flexible thinking accuracy (p=0.06)



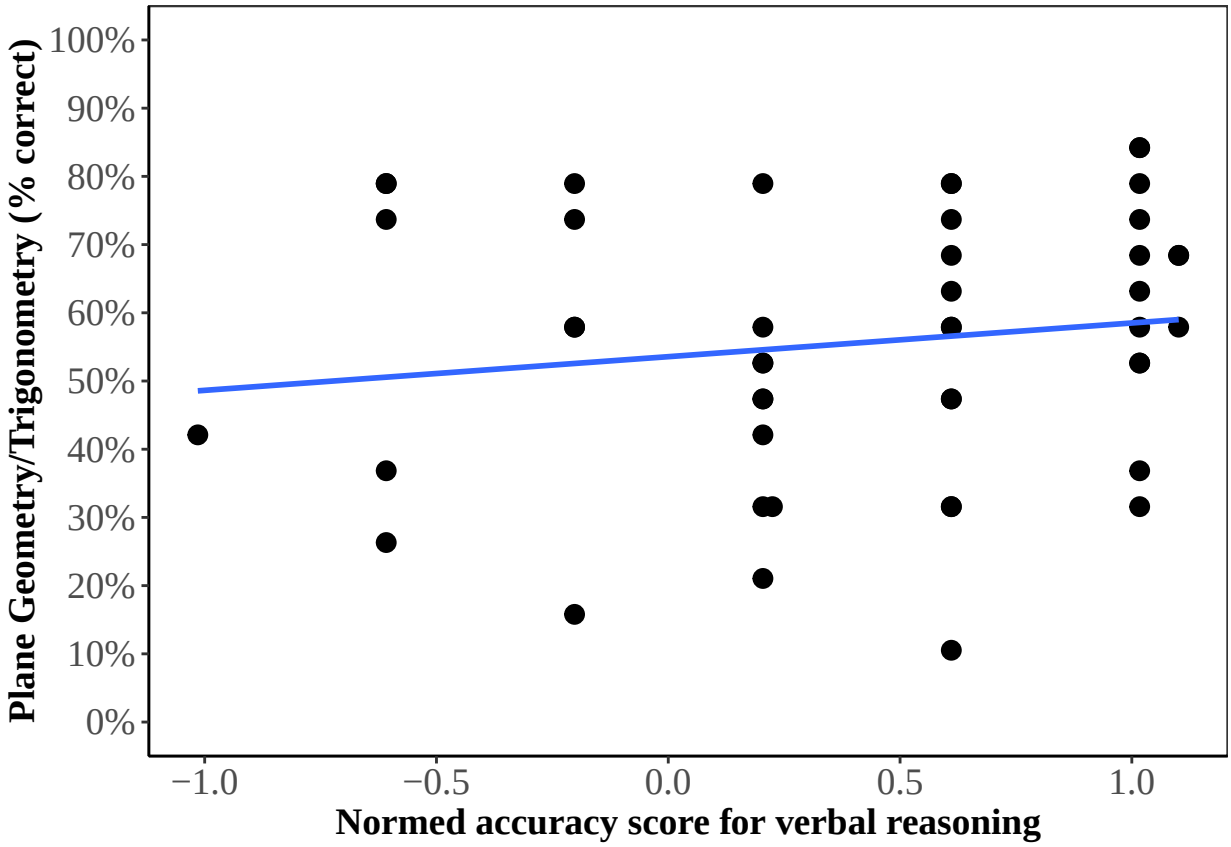

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$ABF_Az and GT_DF$GTscore
## t = 1.8729, df = 45, p-value = 0.06759
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.01978931  0.51621030
## sample estimates:
##       cor
## 0.2689056
```

Flexible thinking speed (p=0.05)



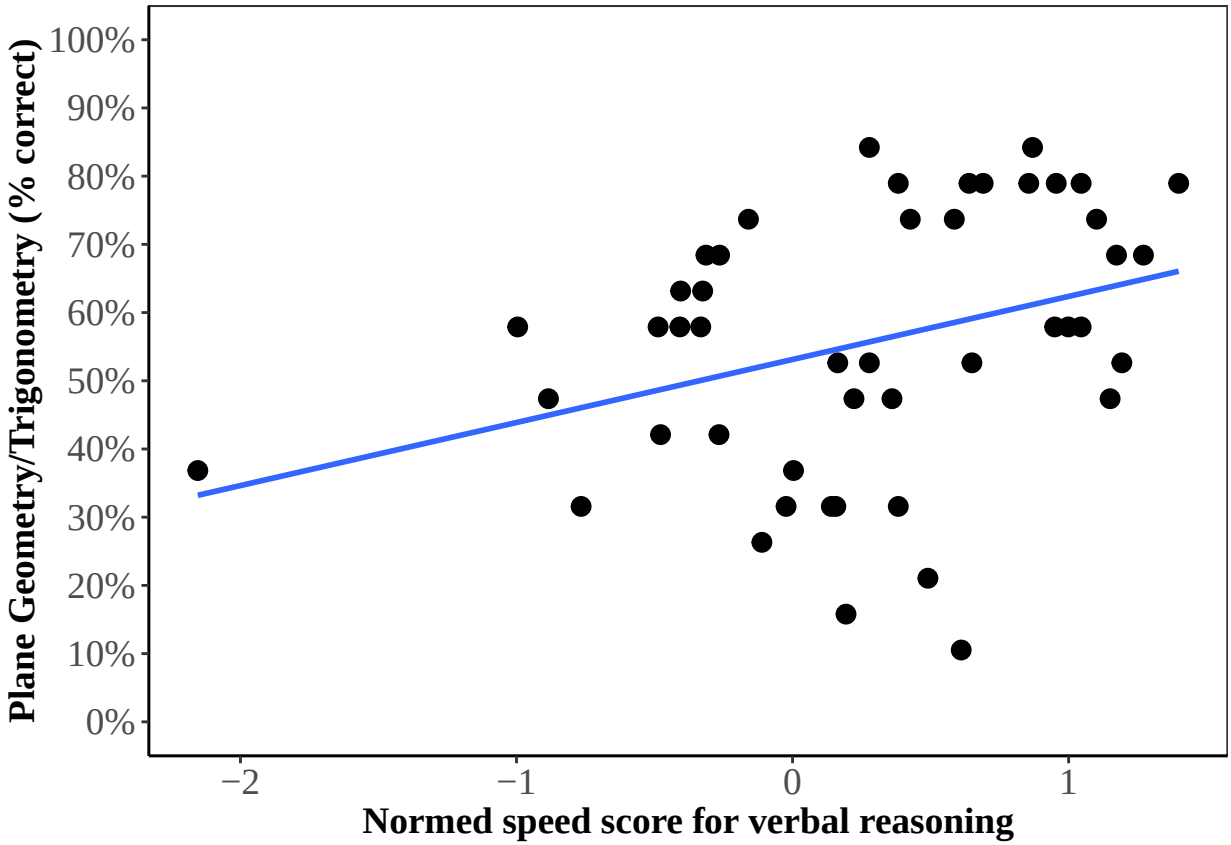

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$ABF_Sz and GT_DF$GTscore
## t = 1.9665, df = 45, p-value = 0.05543
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.006371717  0.525985988
## sample estimates:
##       cor
## 0.2813098
```

Verbal reasoning accuracy



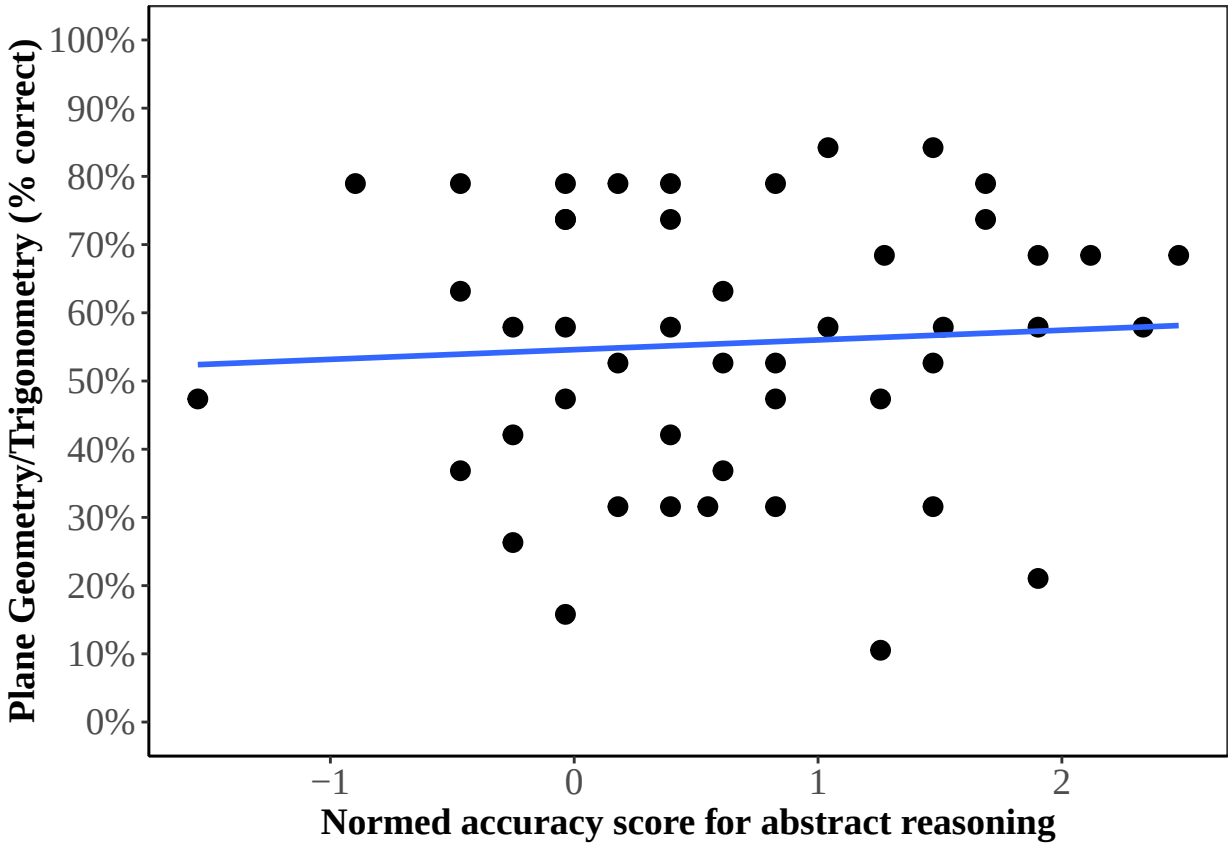

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$LAN_Az and GT_DF$GTscore
## t = 0.99552, df = 45, p-value = 0.3248
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1465482  0.4164094
## sample estimates:
##       cor
## 0.1467964
```

Verbal reasoning speed ($p < 0.05$)



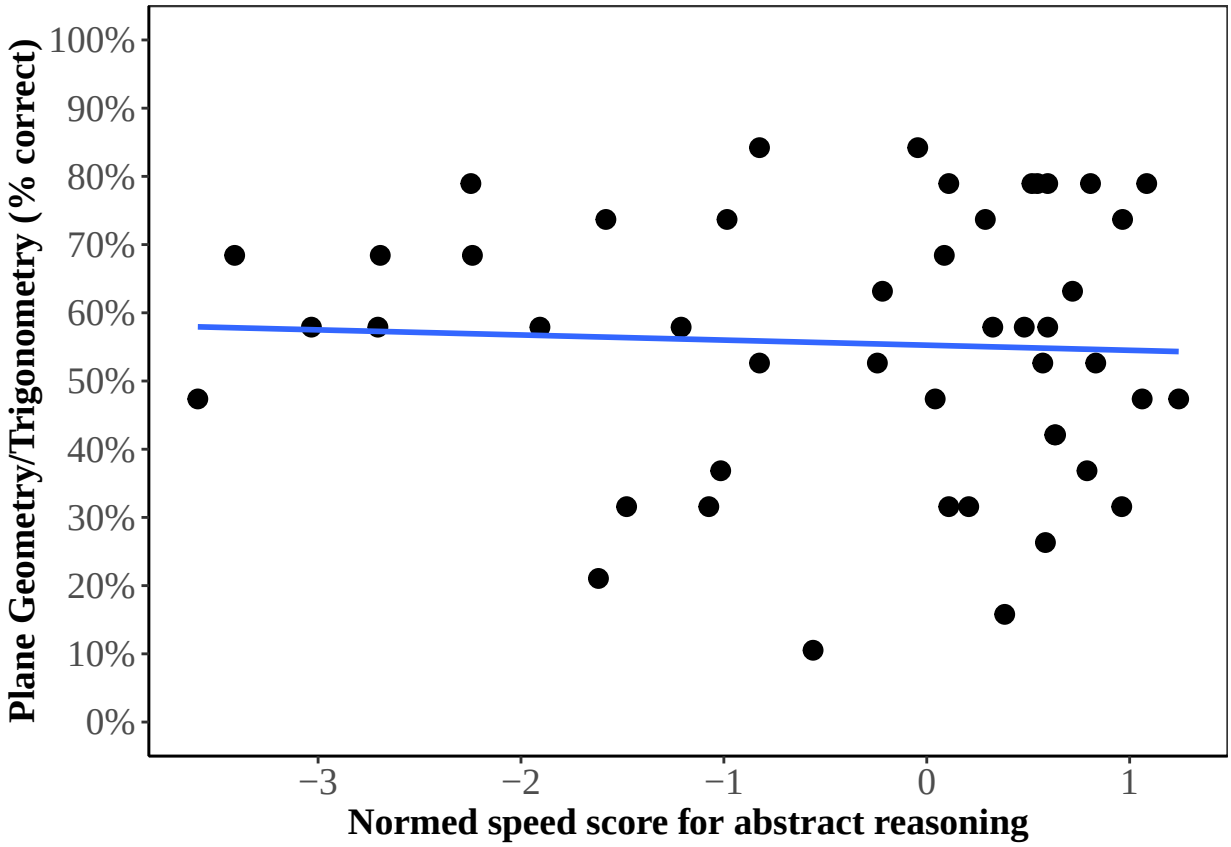

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$LAN_Sz and GT_DF$GTscore
## t = 2.4245, df = 45, p-value = 0.01941
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.0584450 0.5713084
## sample estimates:
##      cor
## 0.339907
```

Abstract reasoning accuracy



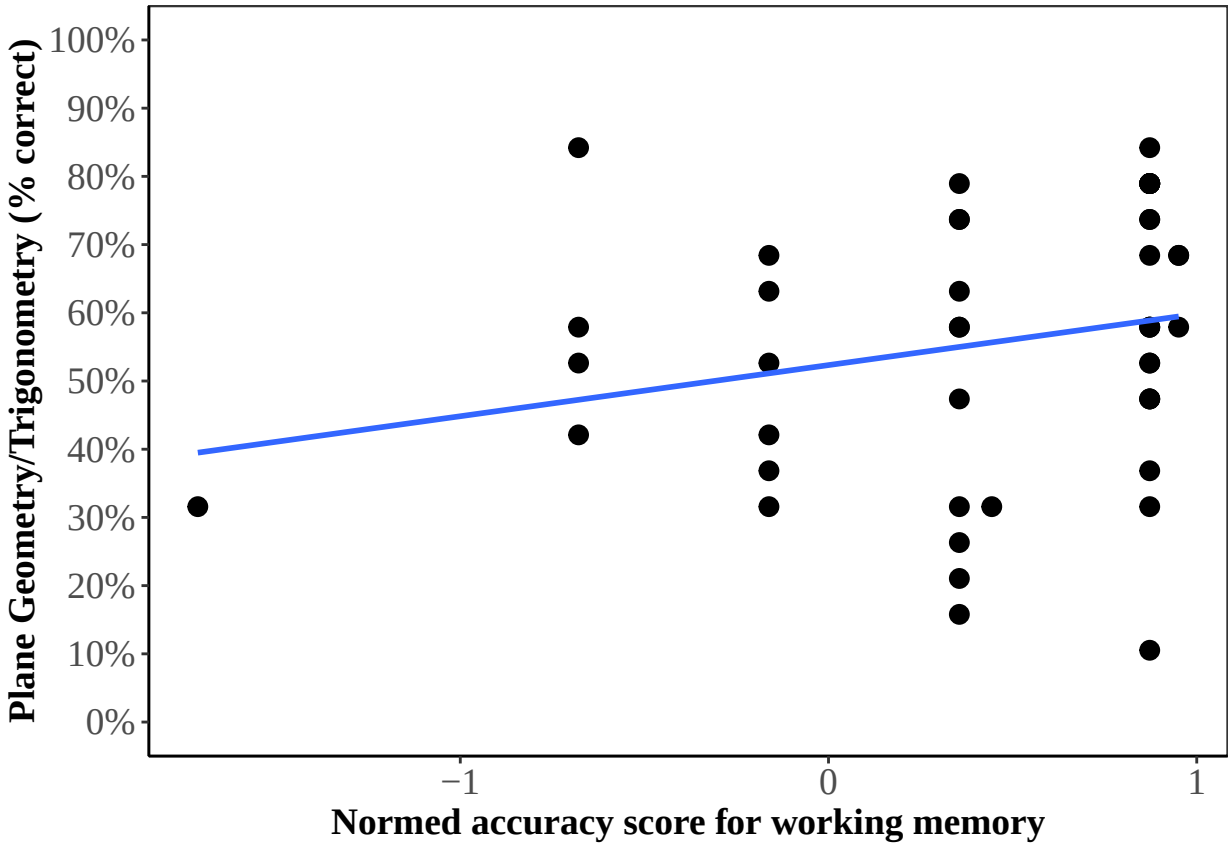

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$NVR_Az and GT_DF$GTscore
## t = 0.43875, df = 45, p-value = 0.6629
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2261390  0.3459491
## sample estimates:
##        cor
## 0.06526613
```

Abstract reasoning speed



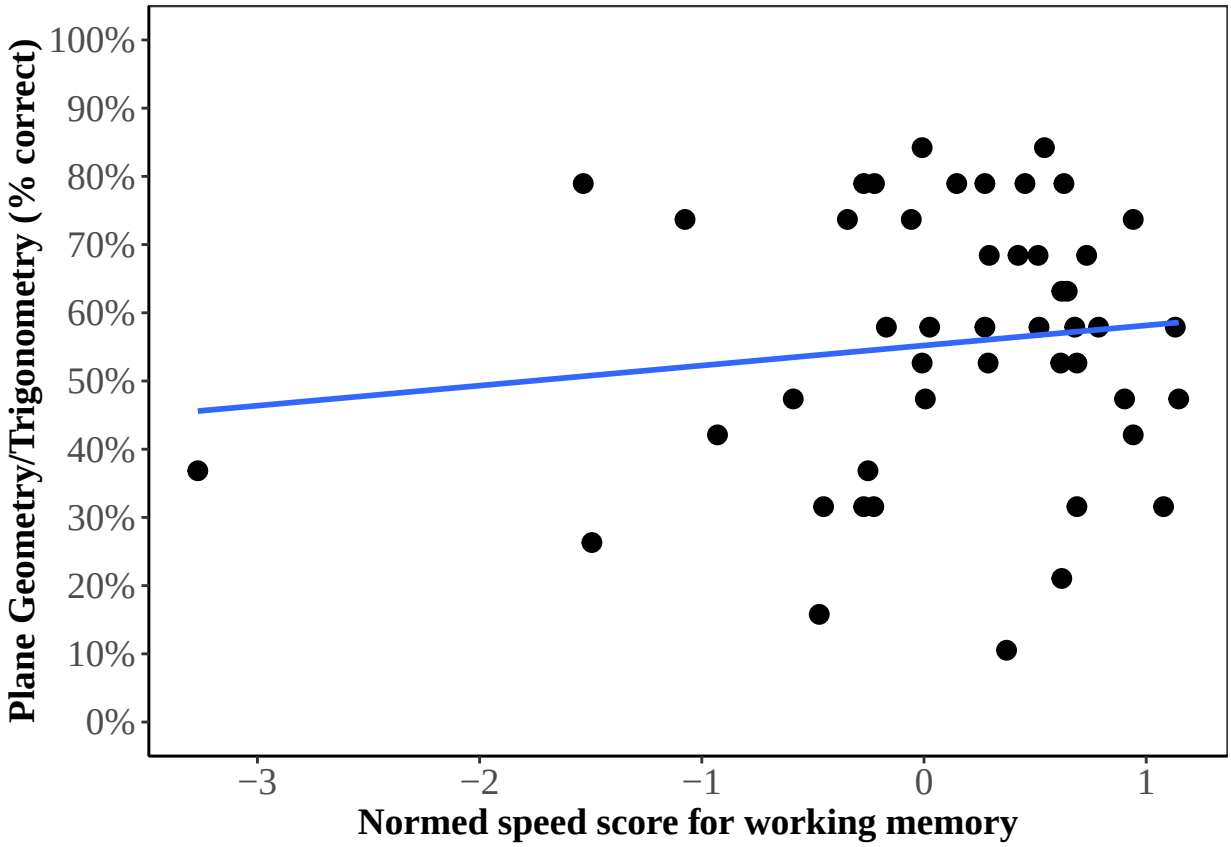

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$NVR_Sz and GT_DF$GTscore
## t = -0.34036, df = 45, p-value = 0.7352
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3329936  0.2399867
## sample estimates:
##         cor
## -0.05067228
```

Working memory accuracy




```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$WM_Az and GT_DF$GTscore
## t = 1.5918, df = 45, p-value = 0.1184
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.06028576  0.48583381
## sample estimates:
##      cor
## 0.230878
```

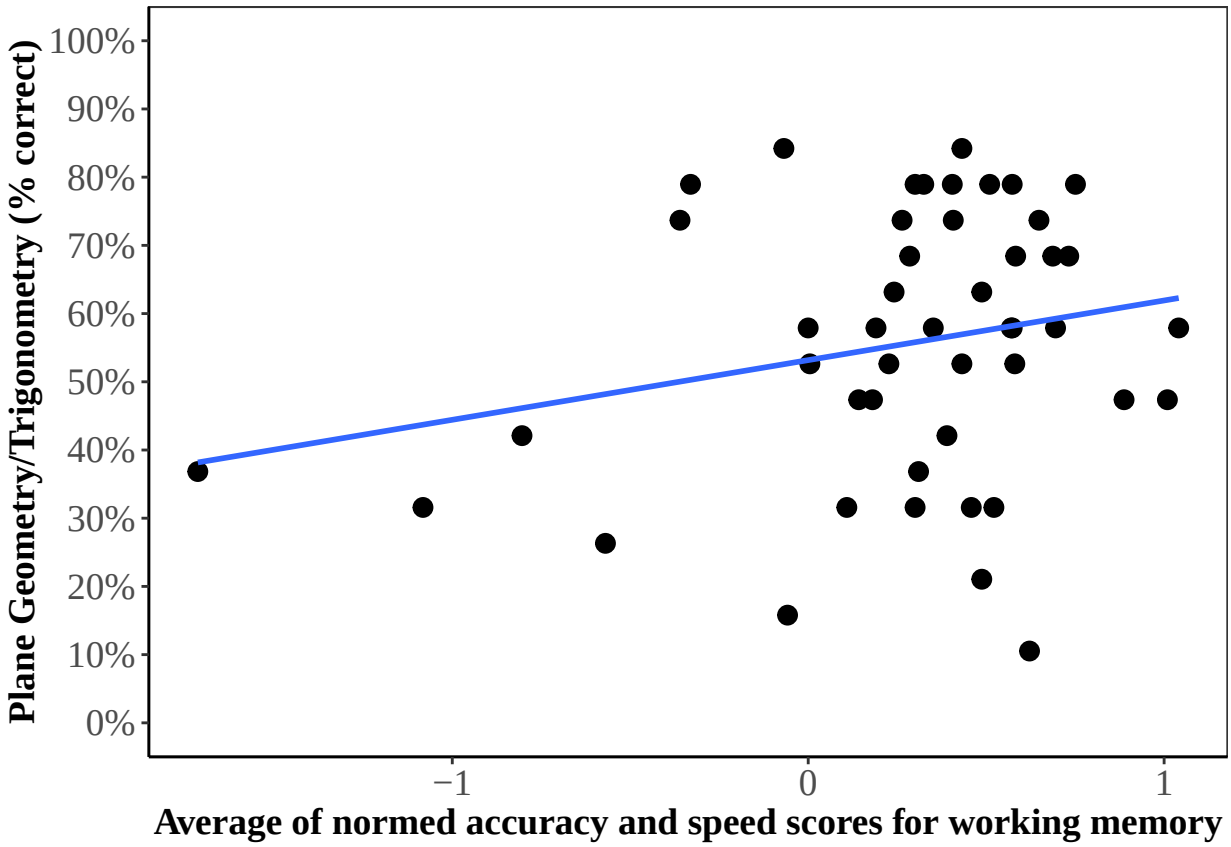
Working memory speed




```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$WM_Sz and GT_DF$GTscore
## t = 0.83019, df = 45, p-value = 0.4108
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1703554  0.3960192
## sample estimates:
##       cor
## 0.1228199
```

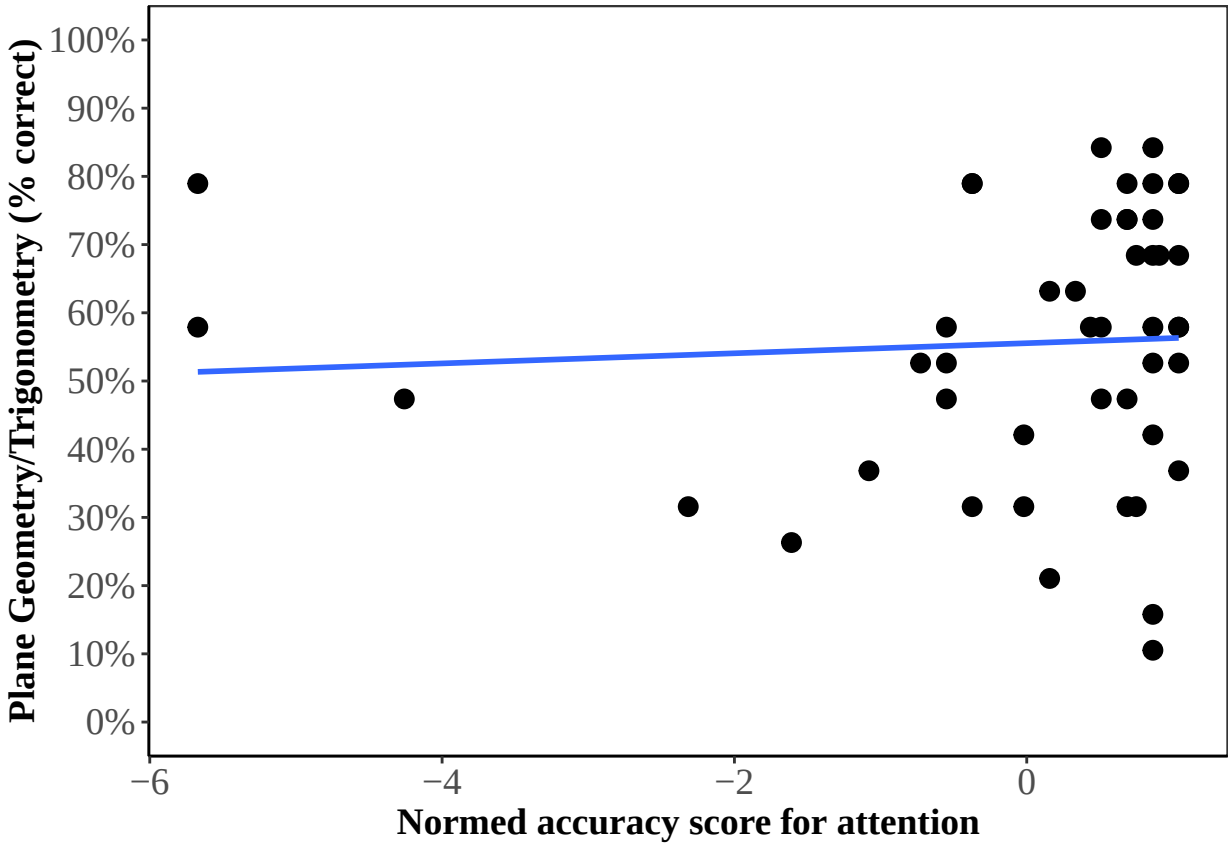
Working memory efficiency

Average of normed accuracy and speed scores for working memory.



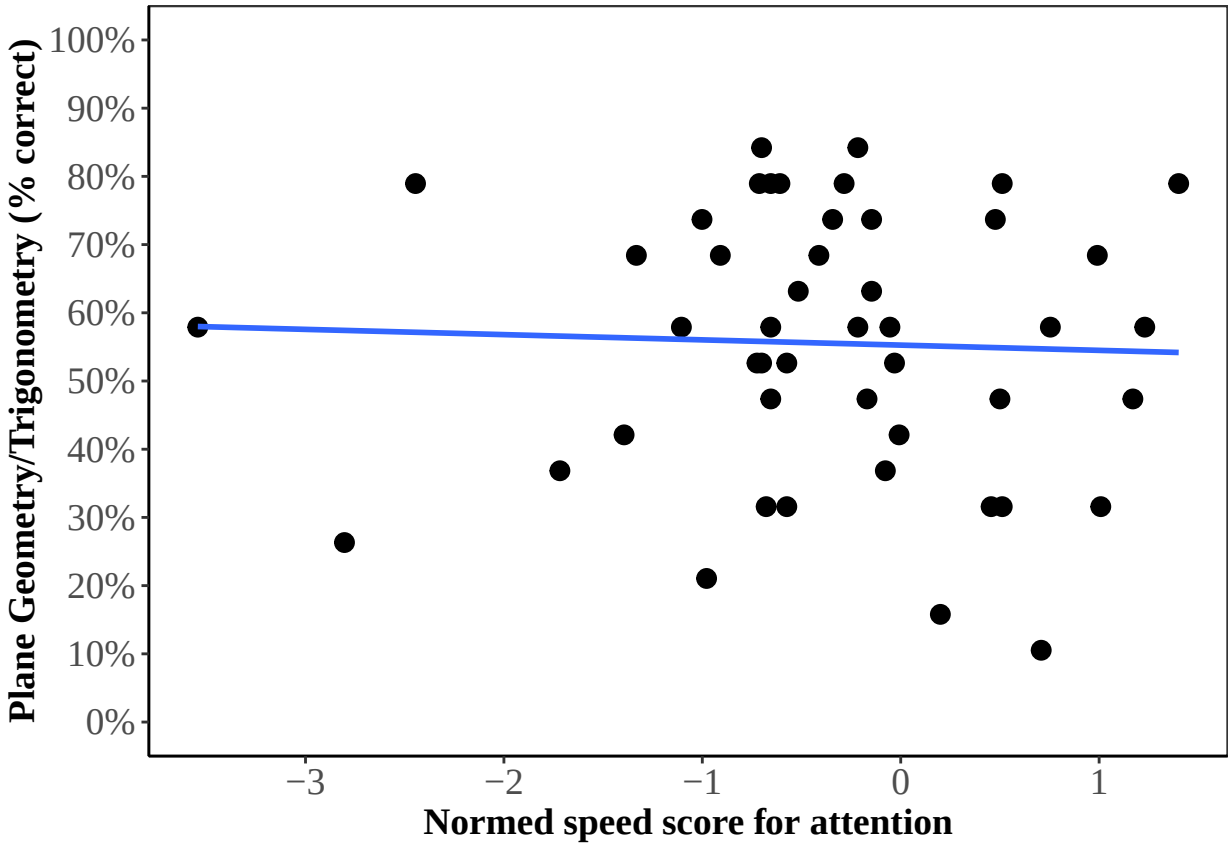

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$WM_EFFICIENCY and GT_DF$GTscore
## t = 1.5952, df = 45, p-value = 0.1177
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.05979554  0.48620959
## sample estimates:
##       cor
## 0.2313437
```

Attention accuracy



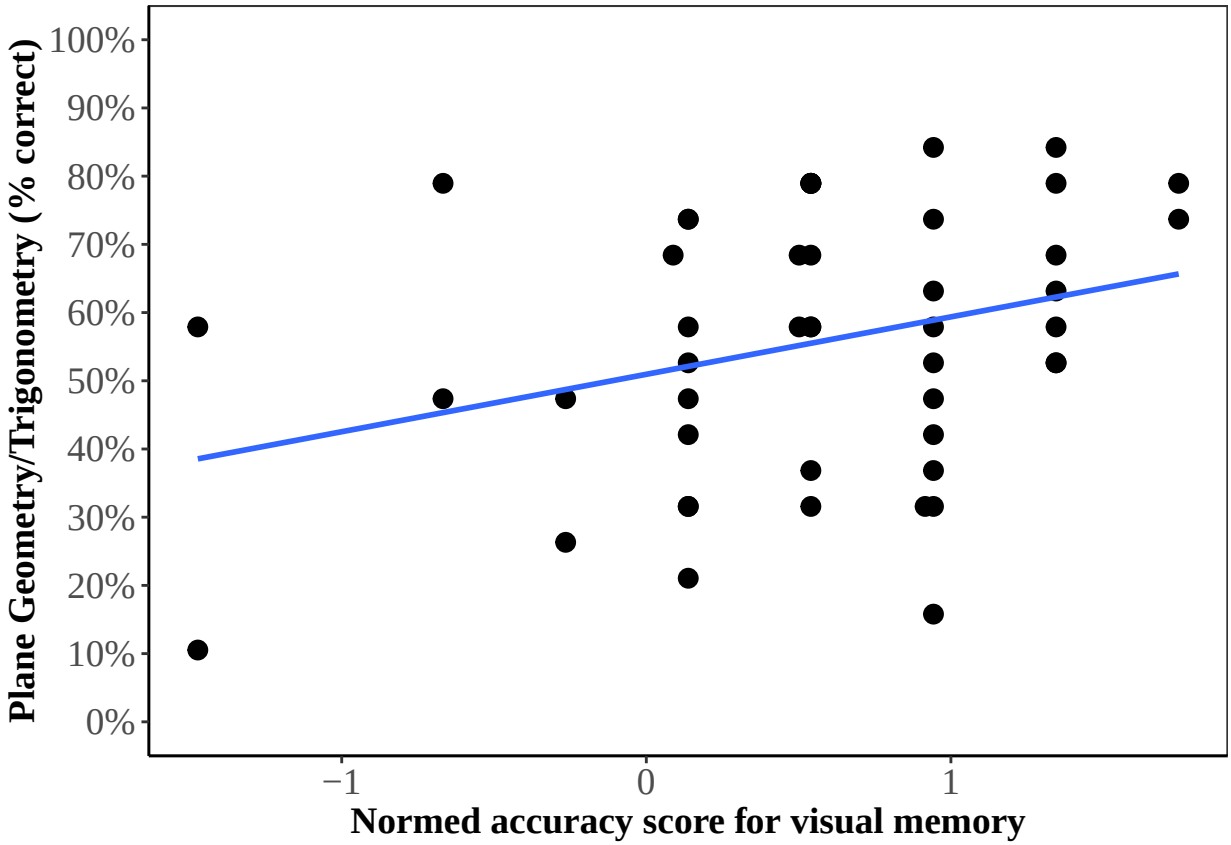

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$ATT_Az and GT_DF$GTscore
## t = 0.40111, df = 45, p-value = 0.6902
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2314459  0.3410098
## sample estimates:
##       cor
## 0.05968799
```

Attention speed



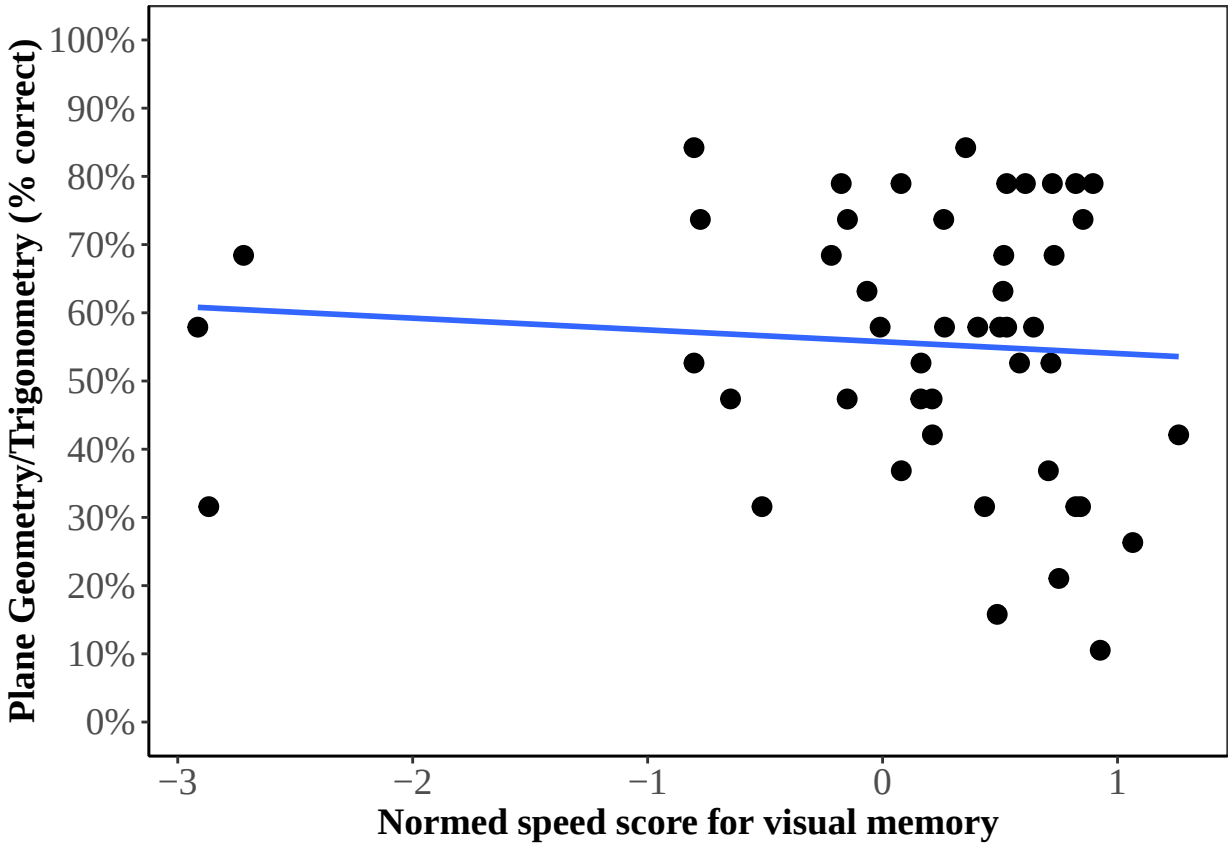

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$ATT_Sz and GT_DF$GTscore
## t = -0.2636, df = 45, p-value = 0.7933
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3227920  0.2507291
## sample estimates:
##         cor
## -0.03926485
```

Visual memory accuracy ($p < 0.05$)



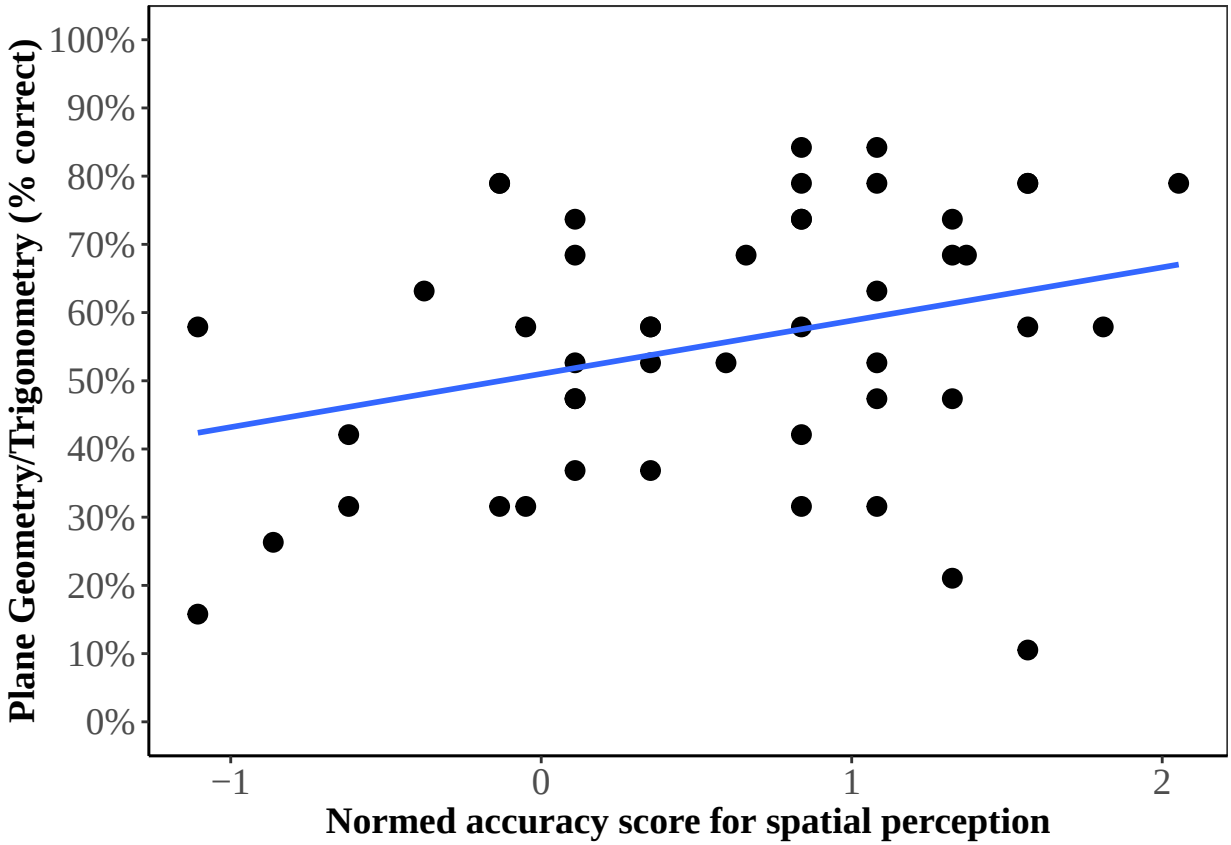

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$SMEM_Az and GT_DF$GTscore
## t = 2.1605, df = 45, p-value = 0.0361
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.02126159 0.54568524
## sample estimates:
##       cor
## 0.3065567
```

Visual memory speed



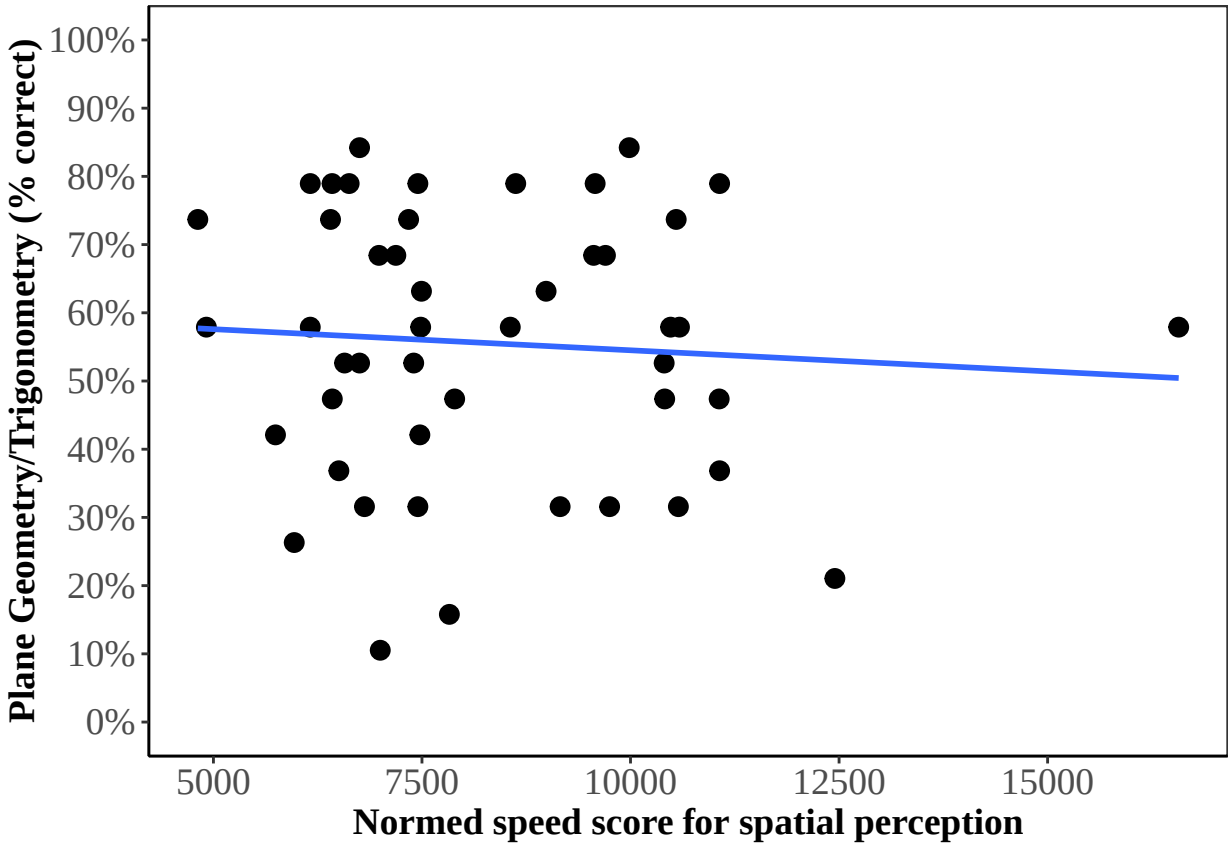

```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$SMEM_Sz and GT_DF$GTscore
## t = -0.55217, df = 45, p-value = 0.5836
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3607042  0.2100811
## sample estimates:
##         cor
## -0.08203471
```

Spatial perception accuracy ($p < 0.05$)




```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$SPA_Az and GT_DF$GTscore
## t = 2.1986, df = 45, p-value = 0.03309
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.0266678 0.5494726
## sample estimates:
##       cor
## 0.3114495
```

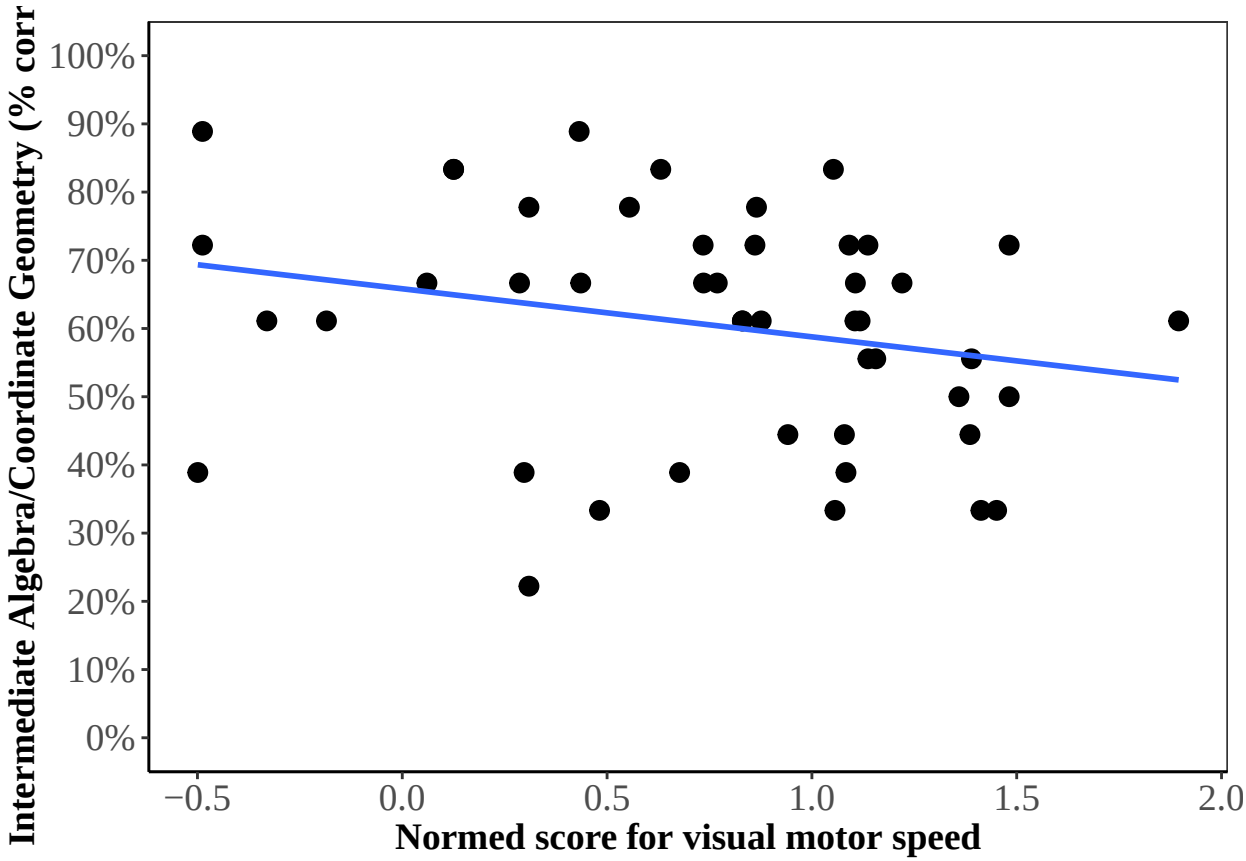
Spatial perception speed




```
##
##  Pearson's product-moment correlation
##
## data:  GT_DF$SPA_Sz and GT_DF$GTscore
## t = -0.47807, df = 45, p-value = 0.6349
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3510866  0.2205830
## sample estimates:
##         cor
## -0.07108678
```

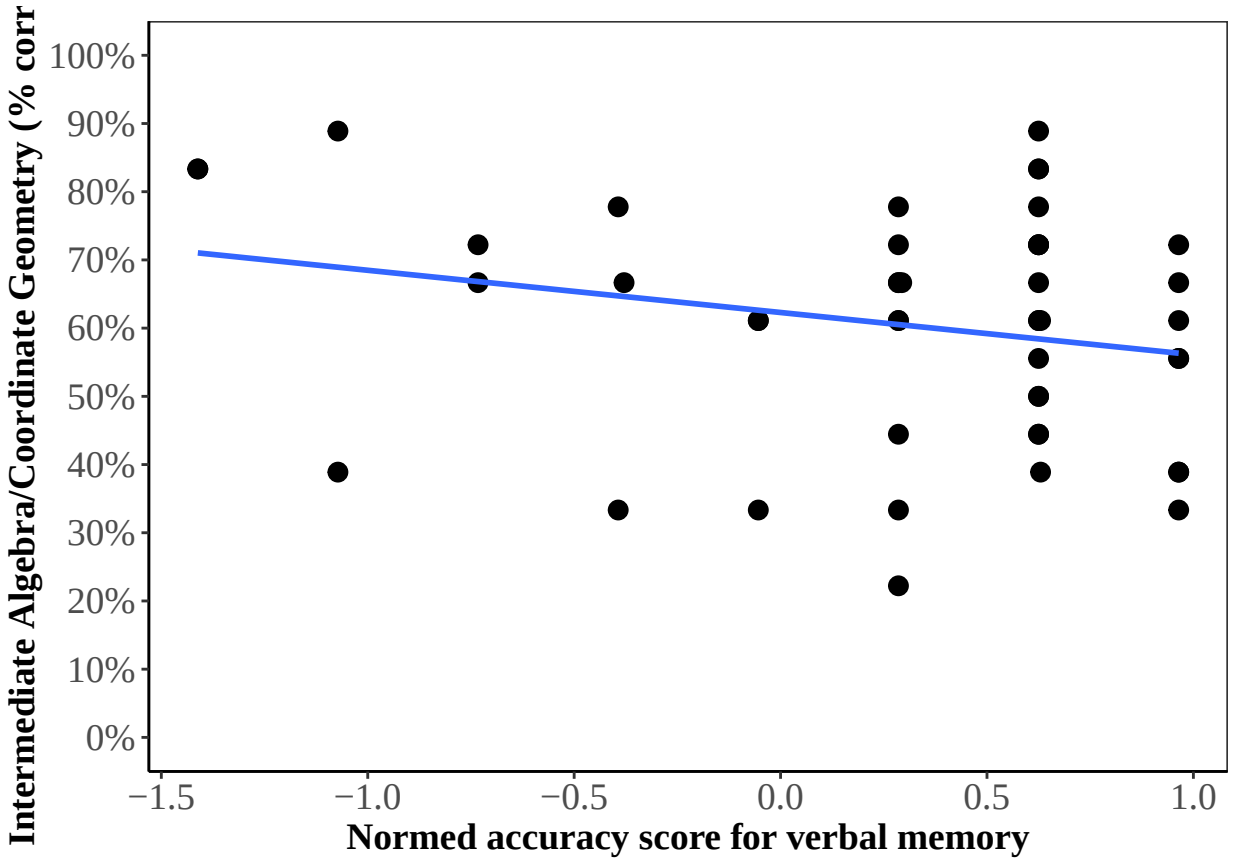
AG/ Intermediate Algebra/Coordinate Geometry Subsection

Visual motor speed



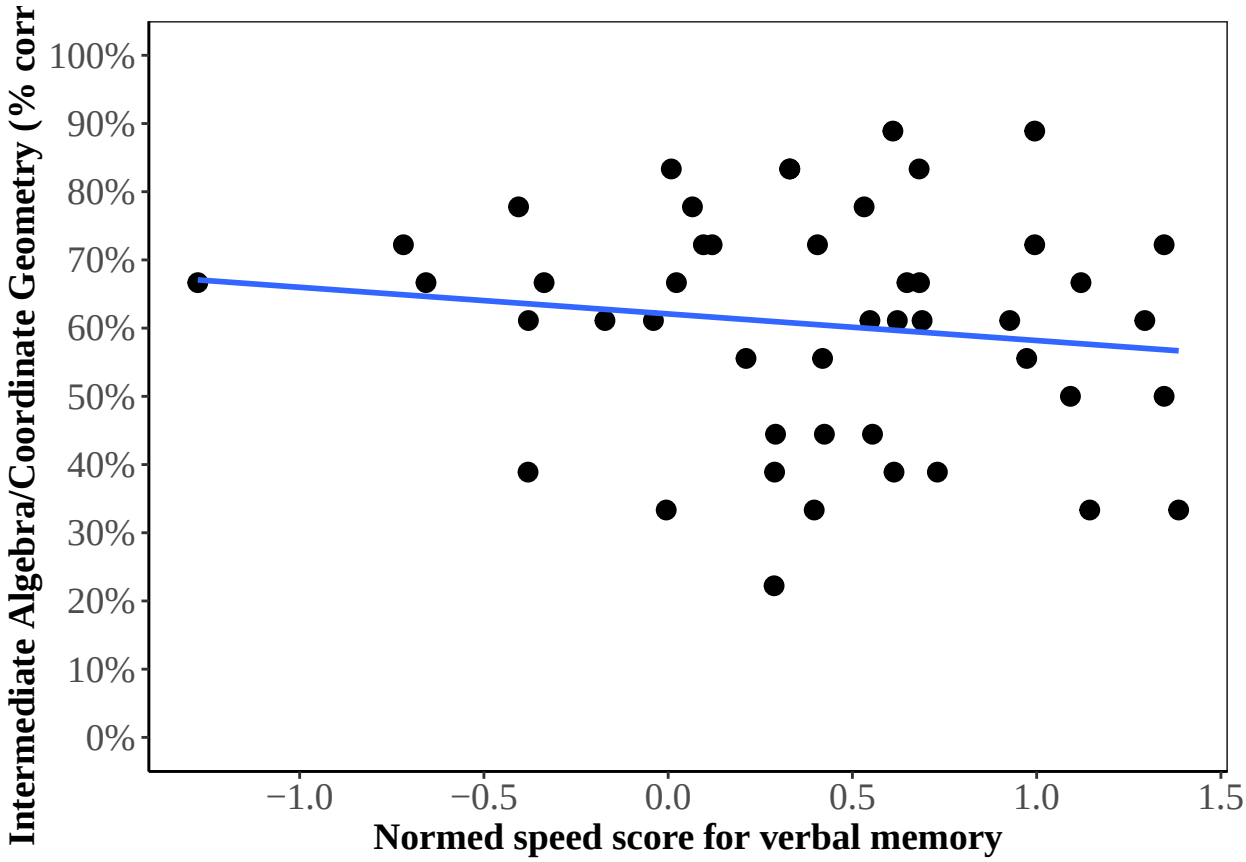

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$SM_Sz and AG_DF$AGscore
## t = -1.6656, df = 45, p-value = 0.1027
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4939586  0.0496275
## sample estimates:
##        cor
## -0.2409735
```

Verbal memory accuracy



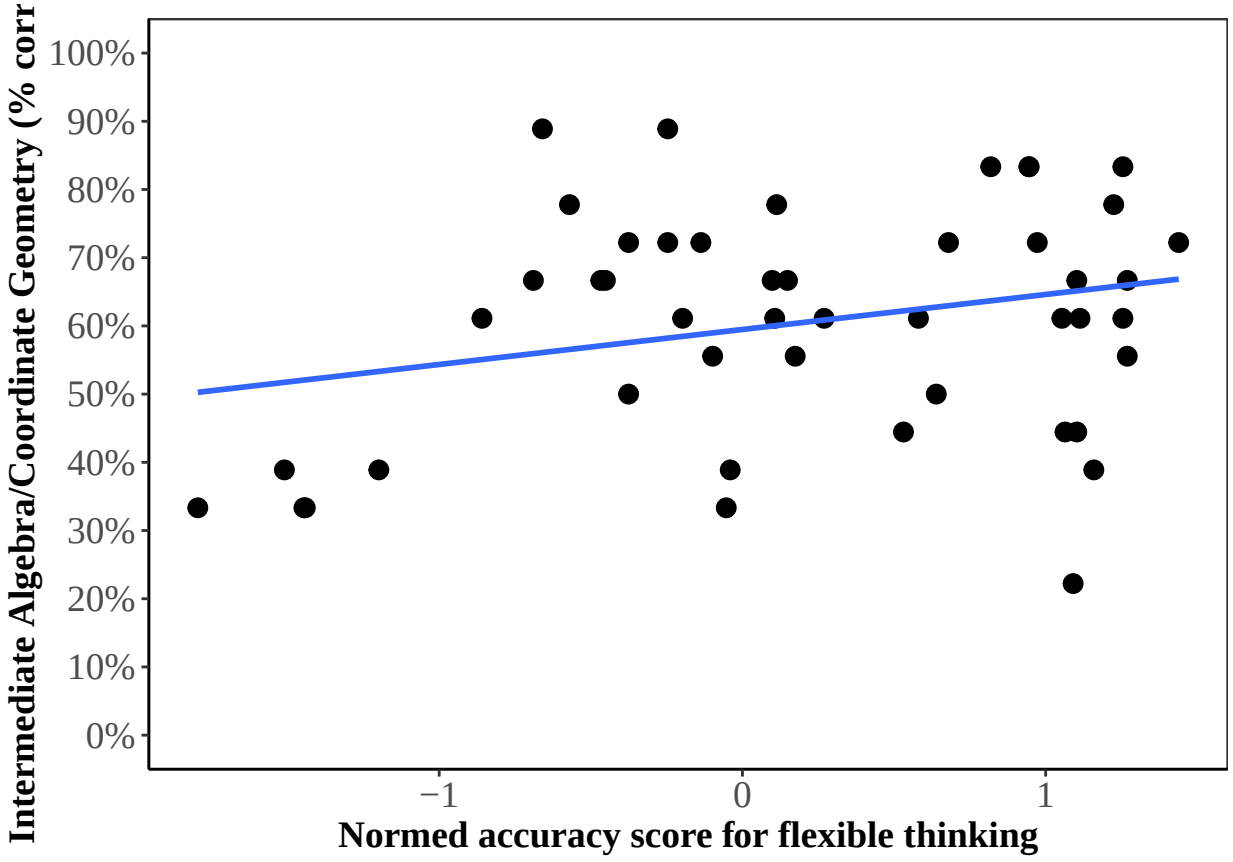

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$VMEM_Az and AG_DF$AGscore
## t = -1.6258, df = 45, p-value = 0.111
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.48959303  0.05536977
## sample estimates:
##        cor
## -0.2355422
```

Verbal memory speed



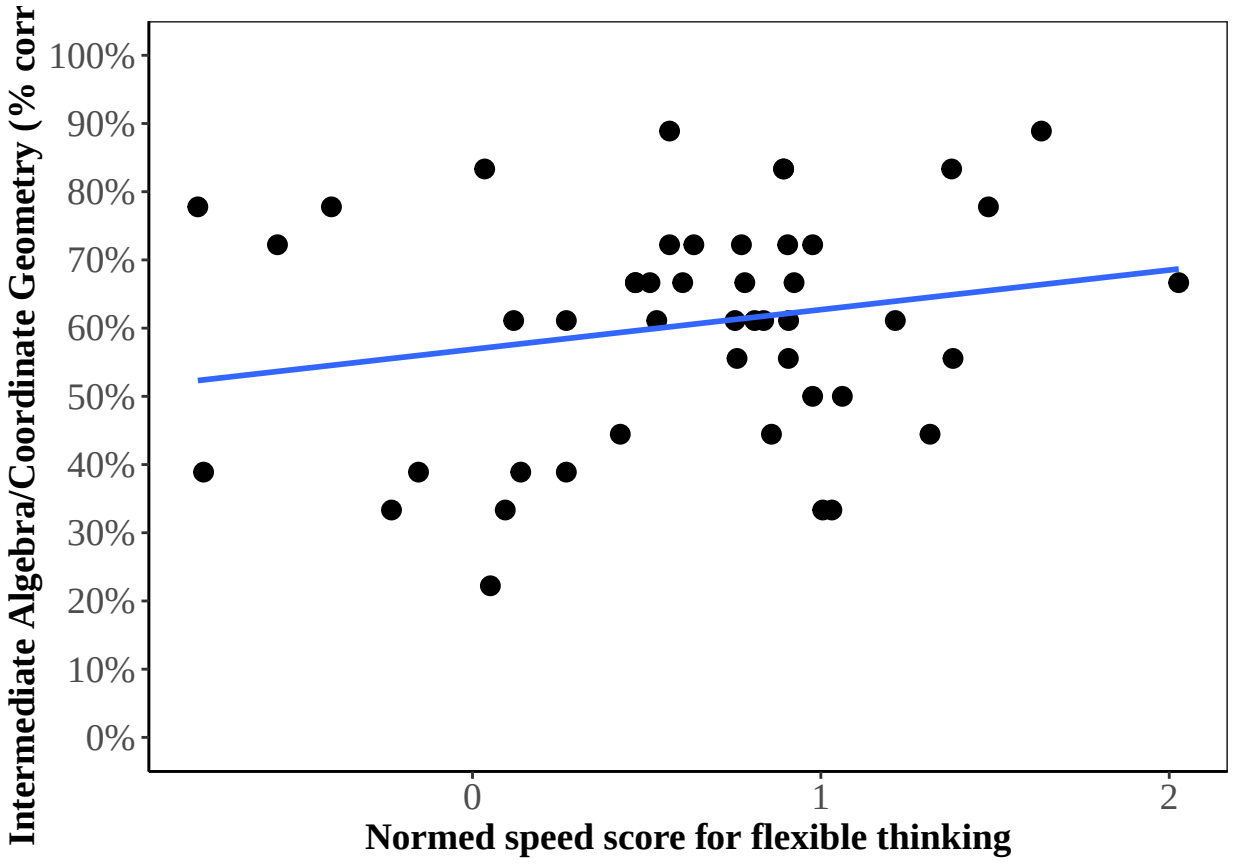

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$VMEM_Sz and AG_DF$AGscore
## t = -0.92519, df = 45, p-value = 0.3598
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4077936  0.1566880
## sample estimates:
##        cor
## -0.1366264
```

Flexible thinking accuracy (p=0.06)



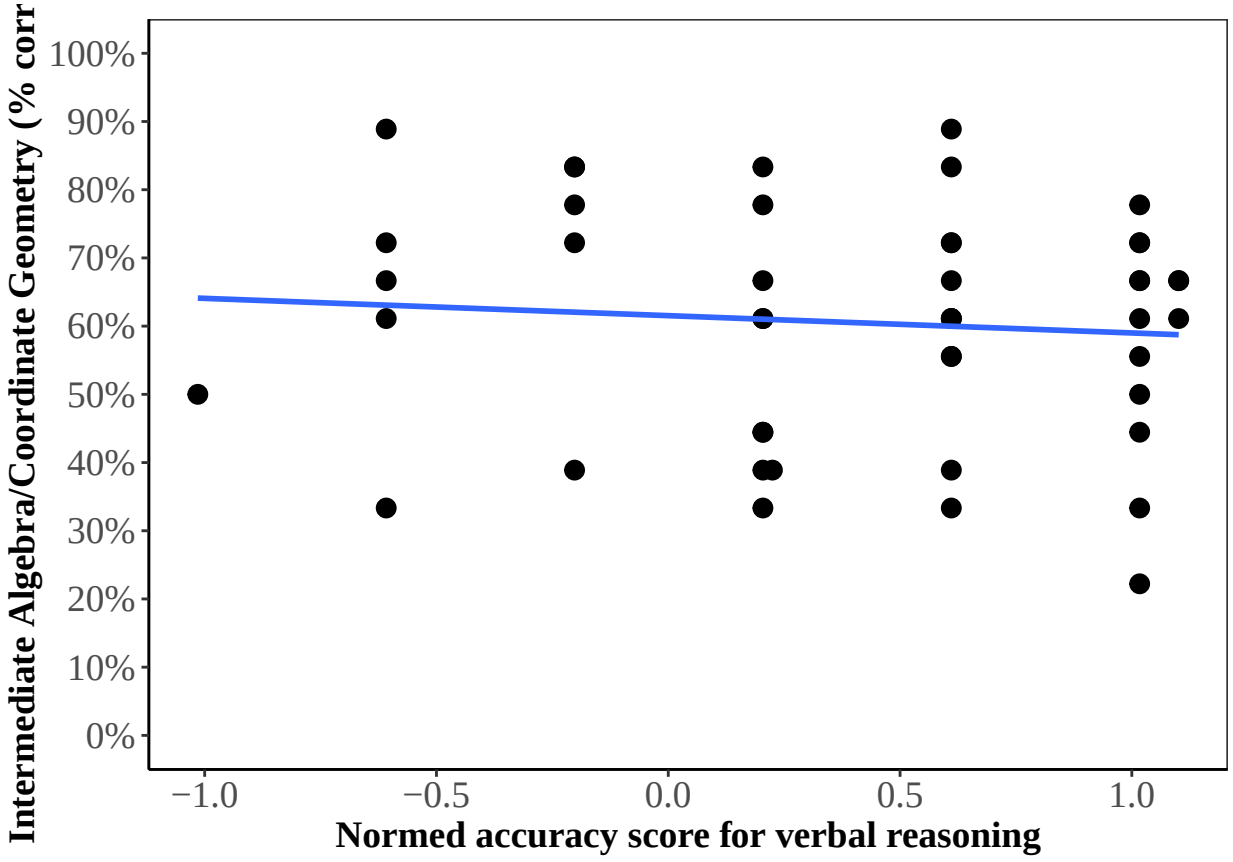

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$ABF_Az and AG_DF$AGscore
## t = 1.8635, df = 45, p-value = 0.06893
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.0211395  0.5152188
## sample estimates:
##       cor
## 0.2676521
```

Flexible thinking speed



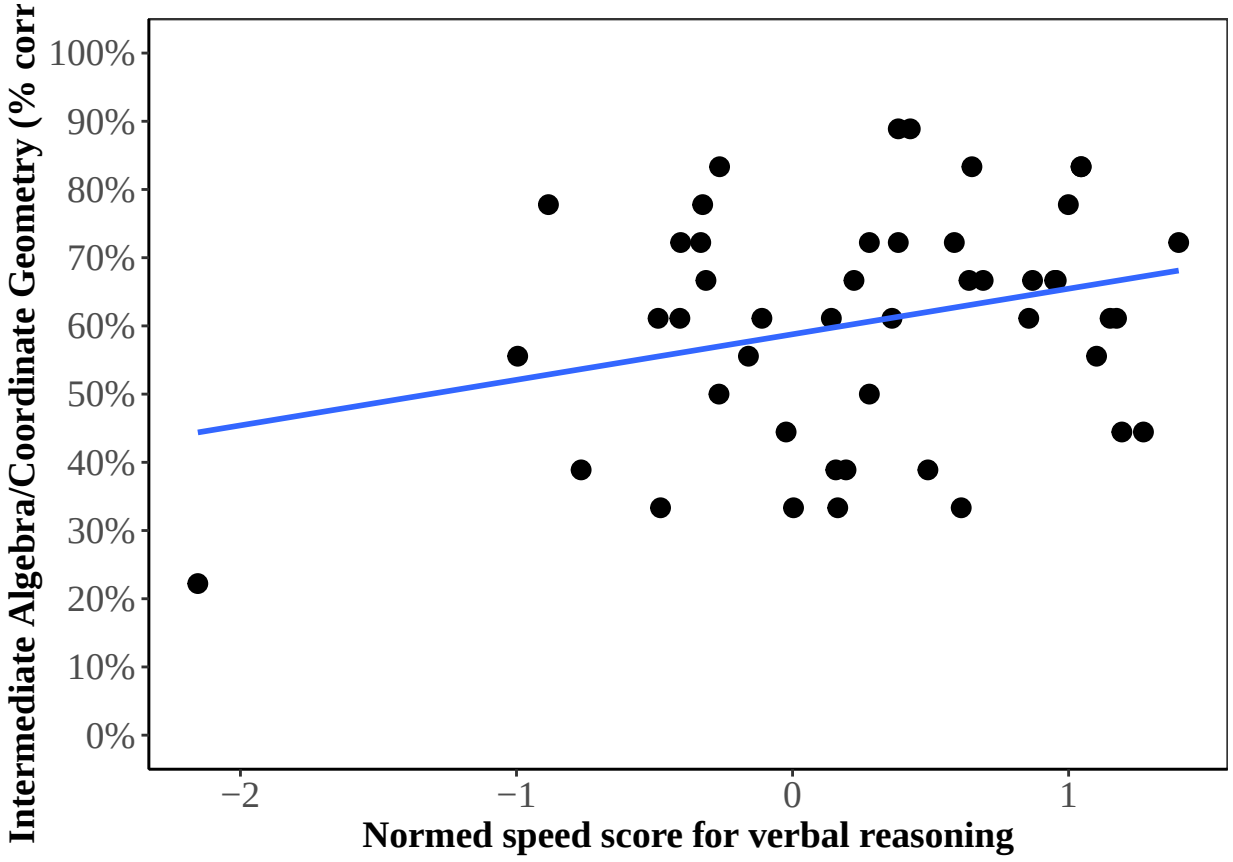

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$ABF_Sz and AG_DF$AGscore
## t = 1.4251, df = 45, p-value = 0.161
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.0844013  0.4670955
## sample estimates:
##       cor
## 0.2078021
```

Verbal reasoning accuracy



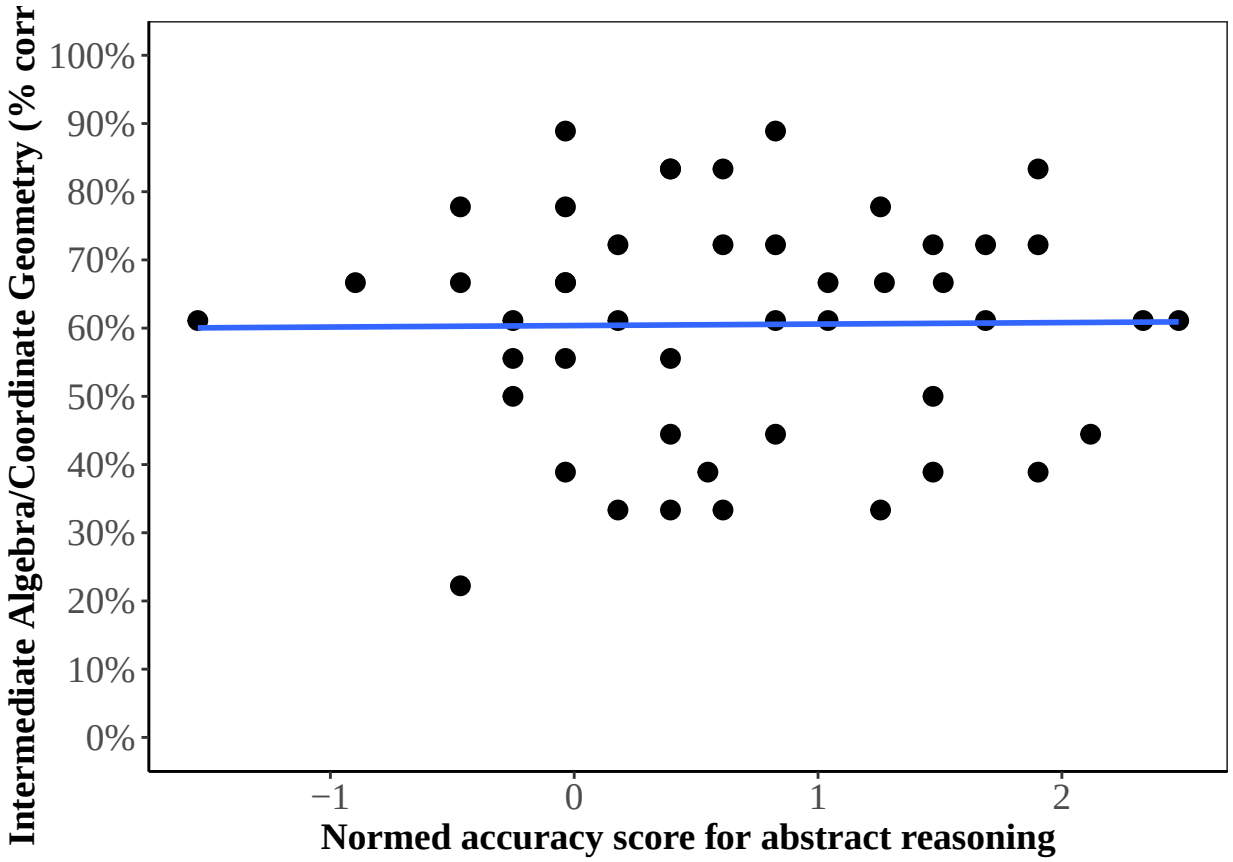

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$LAN_Az and AG_DF$AGscore
## t = -0.58808, df = 45, p-value = 0.5594
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.3653362  0.2049758
## sample estimates:
##         cor
## -0.08733159
```

Verbal reasoning speed (p = 0.05)



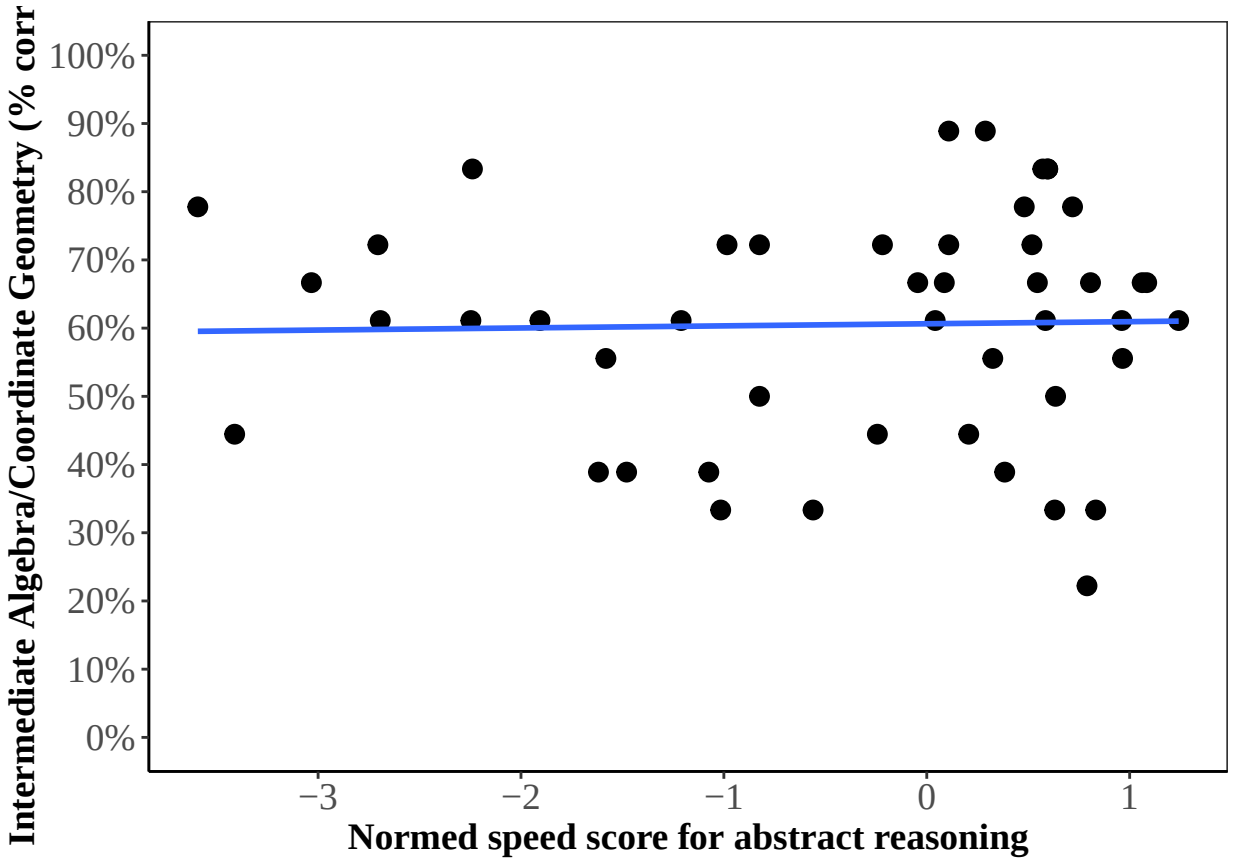

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$LAN_Sz and AG_DF$AGscore
## t = 1.991, df = 45, p-value = 0.05257
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.002863876  0.528518718
## sample estimates:
##       cor
## 0.2845369
```

Abstract reasoning accuracy



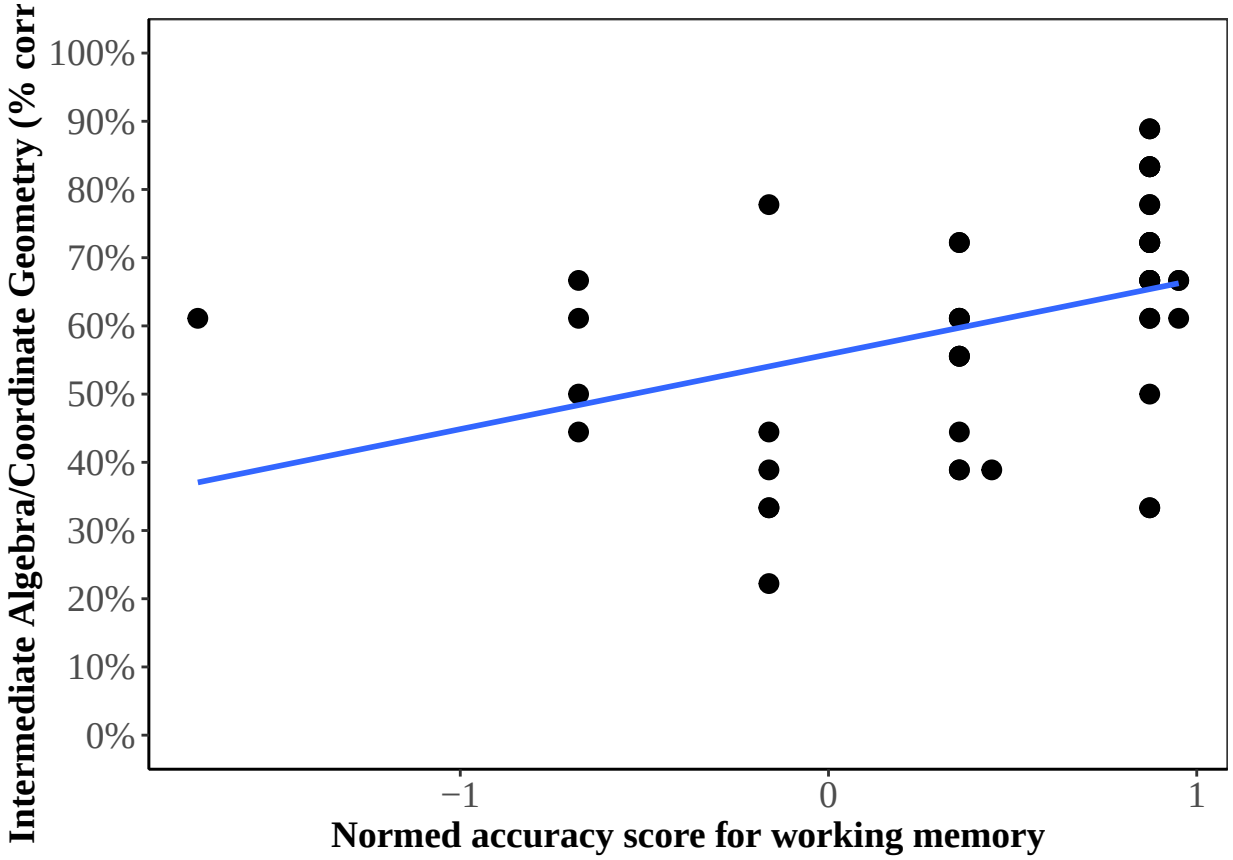

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$NVR_Az and AG_DF$AGscore
## t = 0.077264, df = 45, p-value = 0.9388
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2765644  0.2976993
## sample estimates:
##        cor
## 0.01151713
```

Abstract reasoning speed



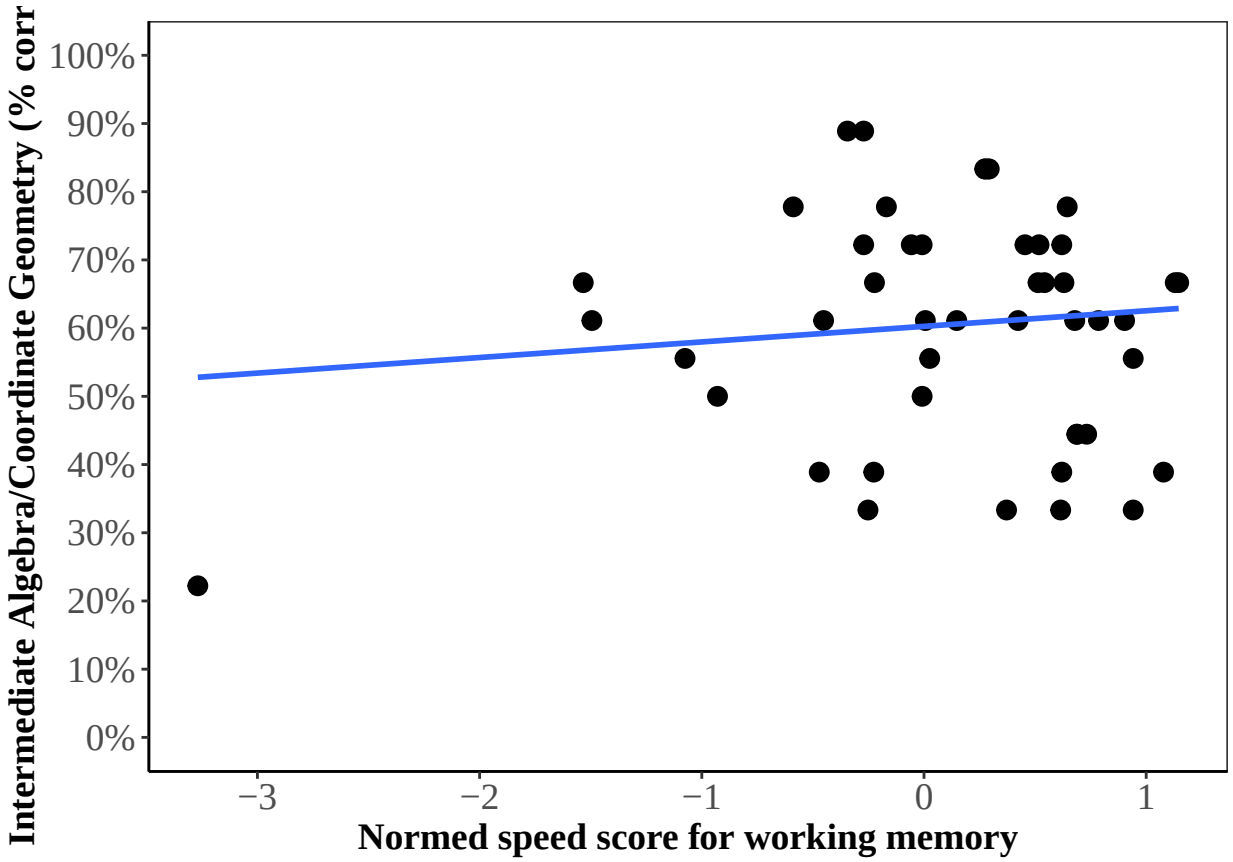

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$NVR_Sz and AG_DF$AGscore
## t = 0.1621, df = 45, p-value = 0.8719
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2648461  0.3091800
## sample estimates:
##        cor
## 0.02415808
```

Working memory accuracy ($p < 0.05$)




```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$WM_Az and AG_DF$AGscore
## t = 2.8502, df = 45, p-value = 0.00657
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.1170283 0.6097469
## sample estimates:
##       cor
## 0.3910532
```

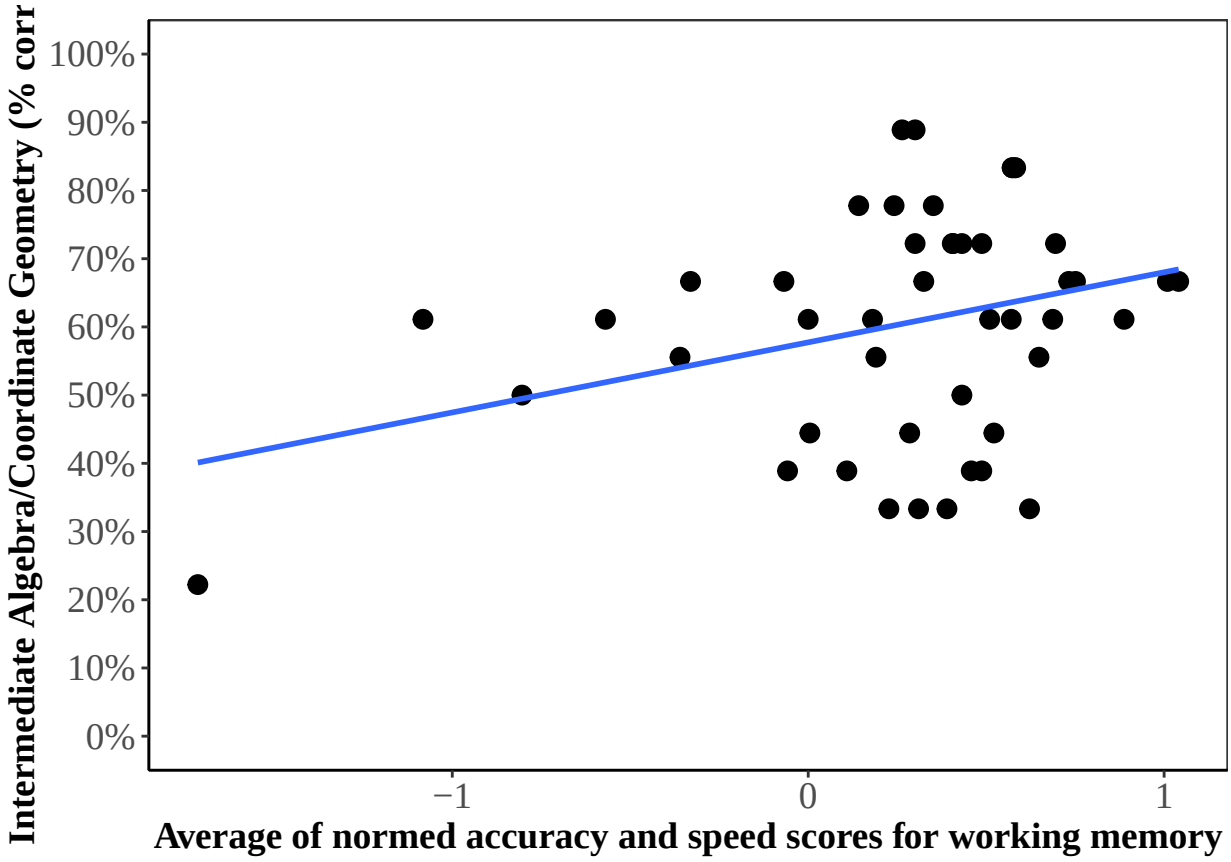
Working memory speed




```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$WM_Sz and AG_DF$AGscore
## t = 0.74568, df = 45, p-value = 0.4597
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1824766  0.3854185
## sample estimates:
##       cor
## 0.1104795
```

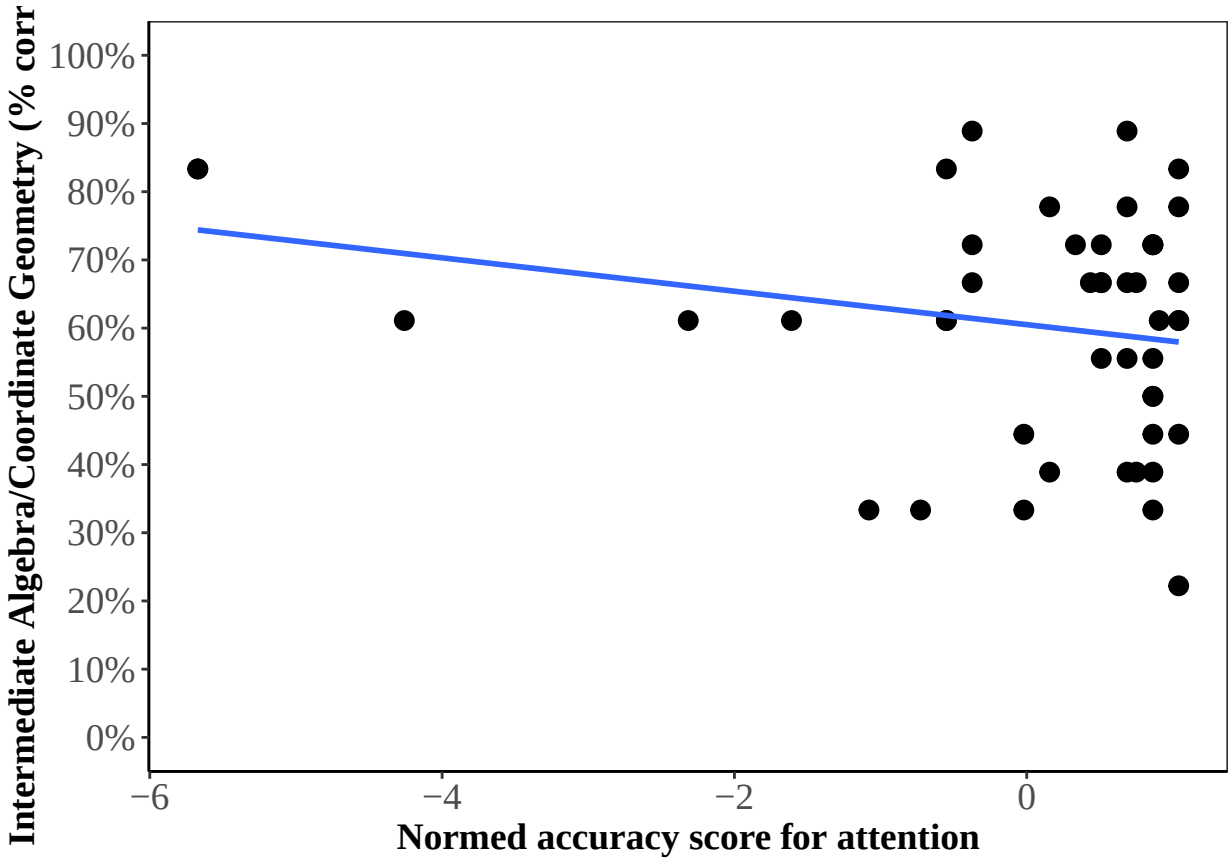
Working memory efficiency ($p < 0.05$)

Average of normed accuracy and speed scores for working memory.



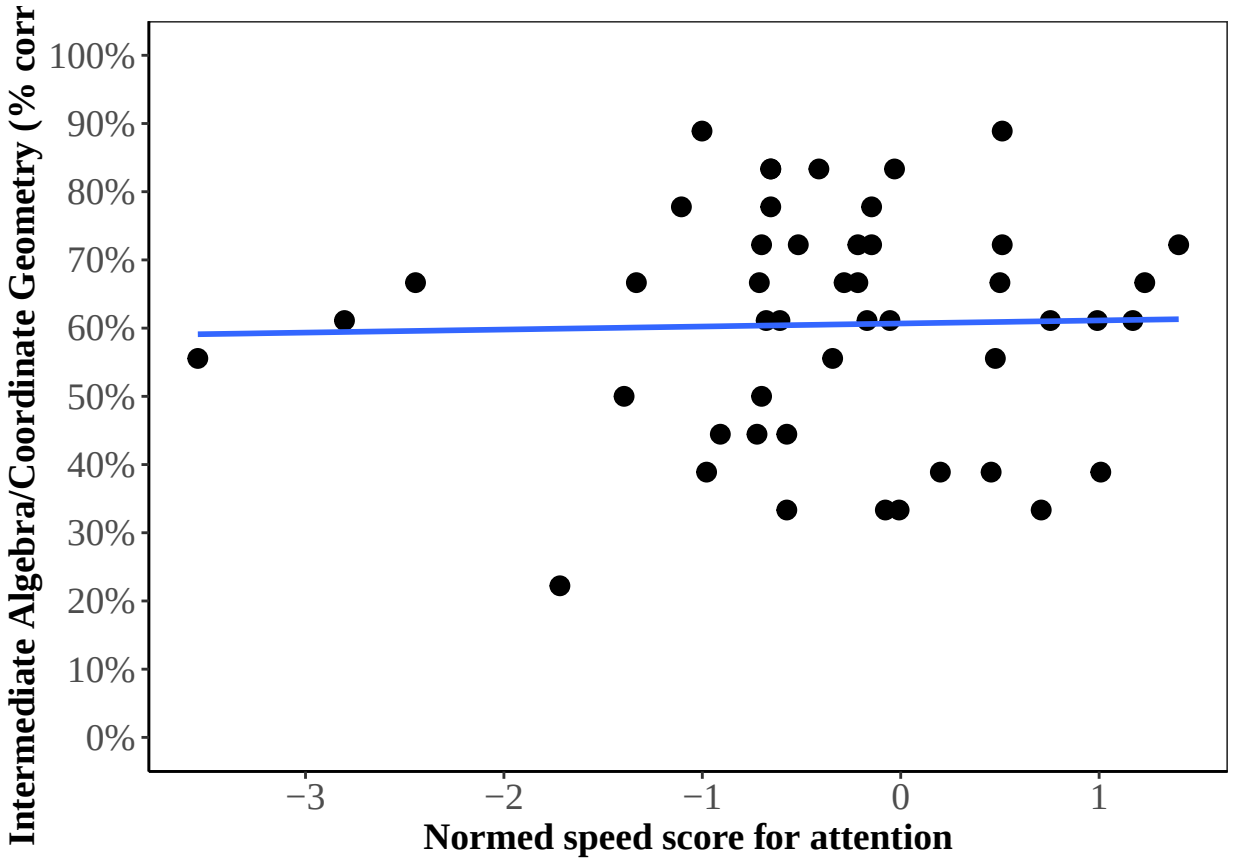

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$WM_EFFICIENCY and AG_DF$AGscore
## t = 2.2254, df = 45, p-value = 0.03111
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  0.03046065 0.55211695
## sample estimates:
##       cor
## 0.3148732
```

Attention accuracy



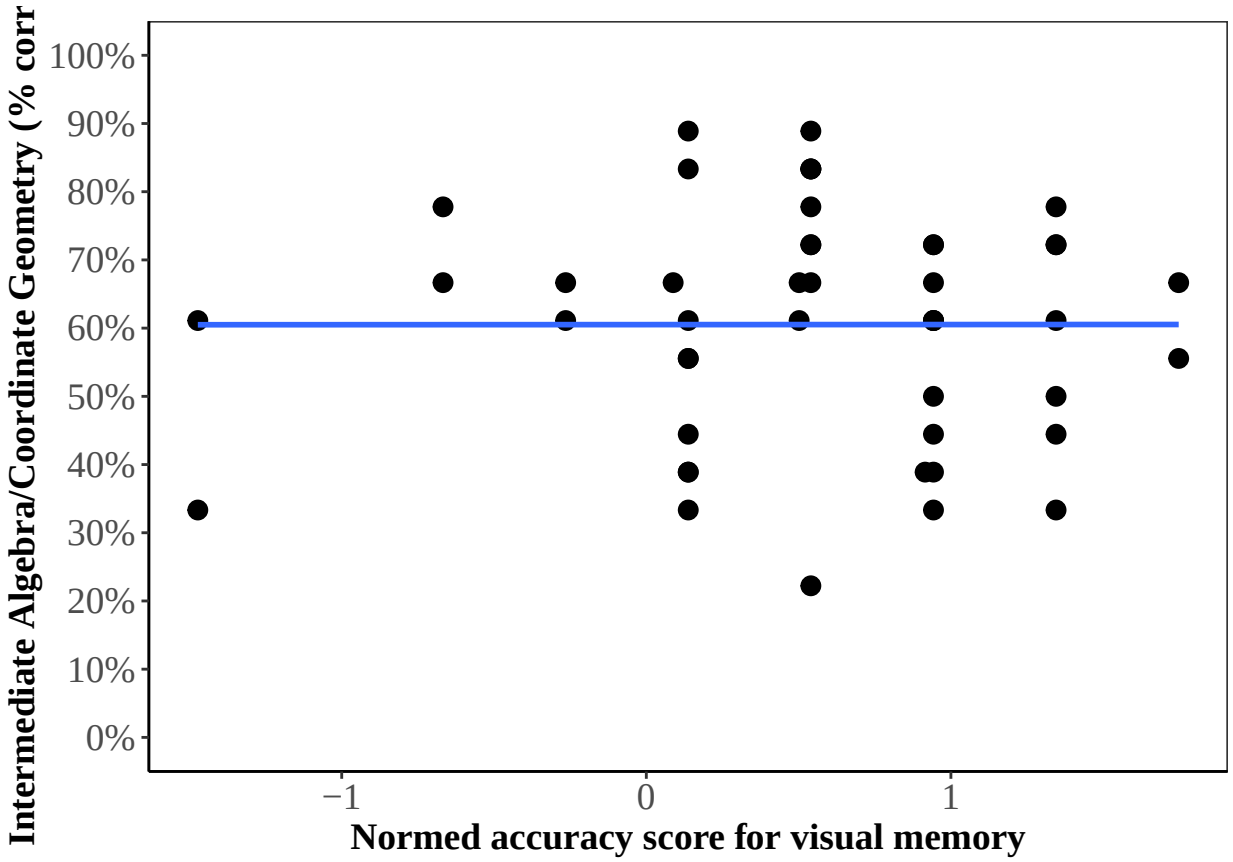

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$ATT_Az and AG_DF$AGscore
## t = -1.5734, df = 45, p-value = 0.1226
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.48379608  0.06293951
## sample estimates:
##        cor
## -0.2283546
```

Attention speed



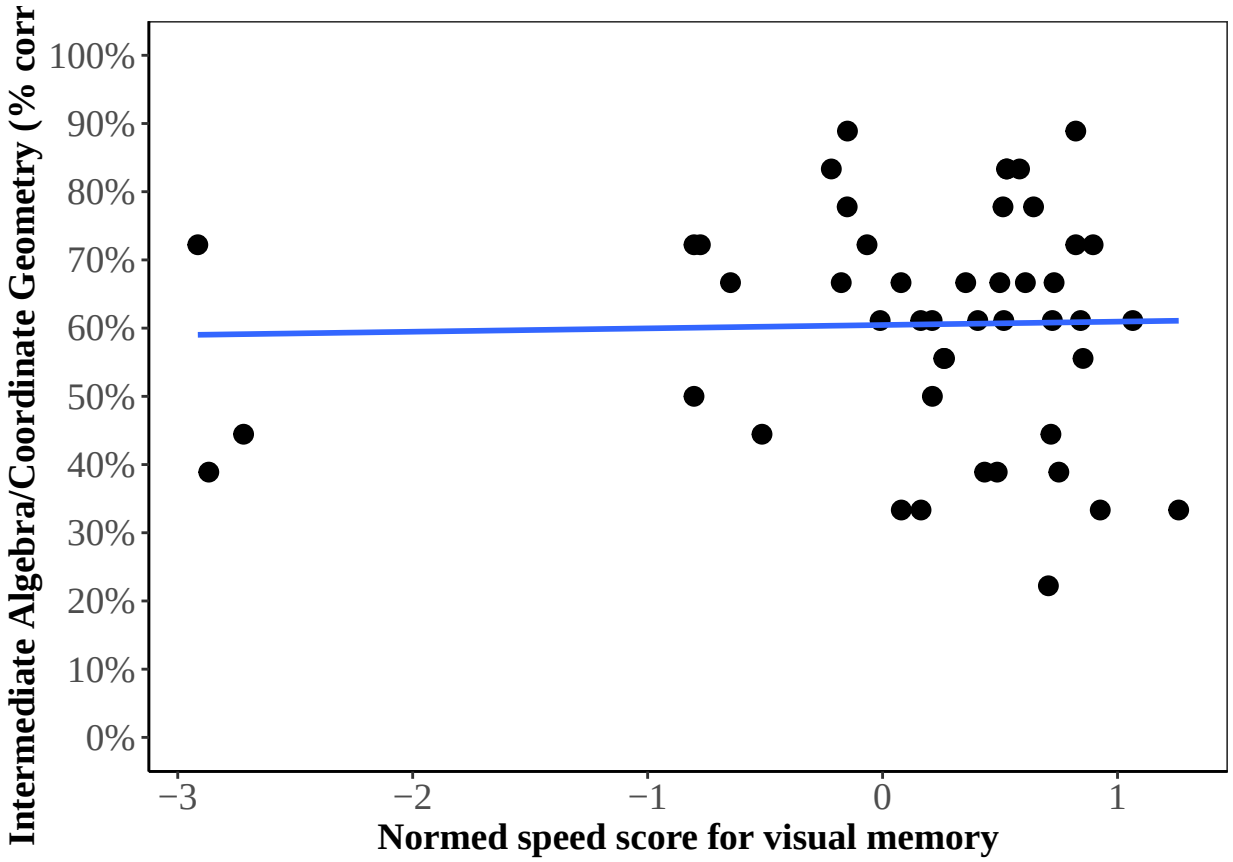

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$ATT_Sz and AG_DF$AGscore
## t = 0.17672, df = 45, p-value = 0.8605
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2628202  0.3111480
## sample estimates:
##        cor
## 0.02633413
```

Visual memory accuracy



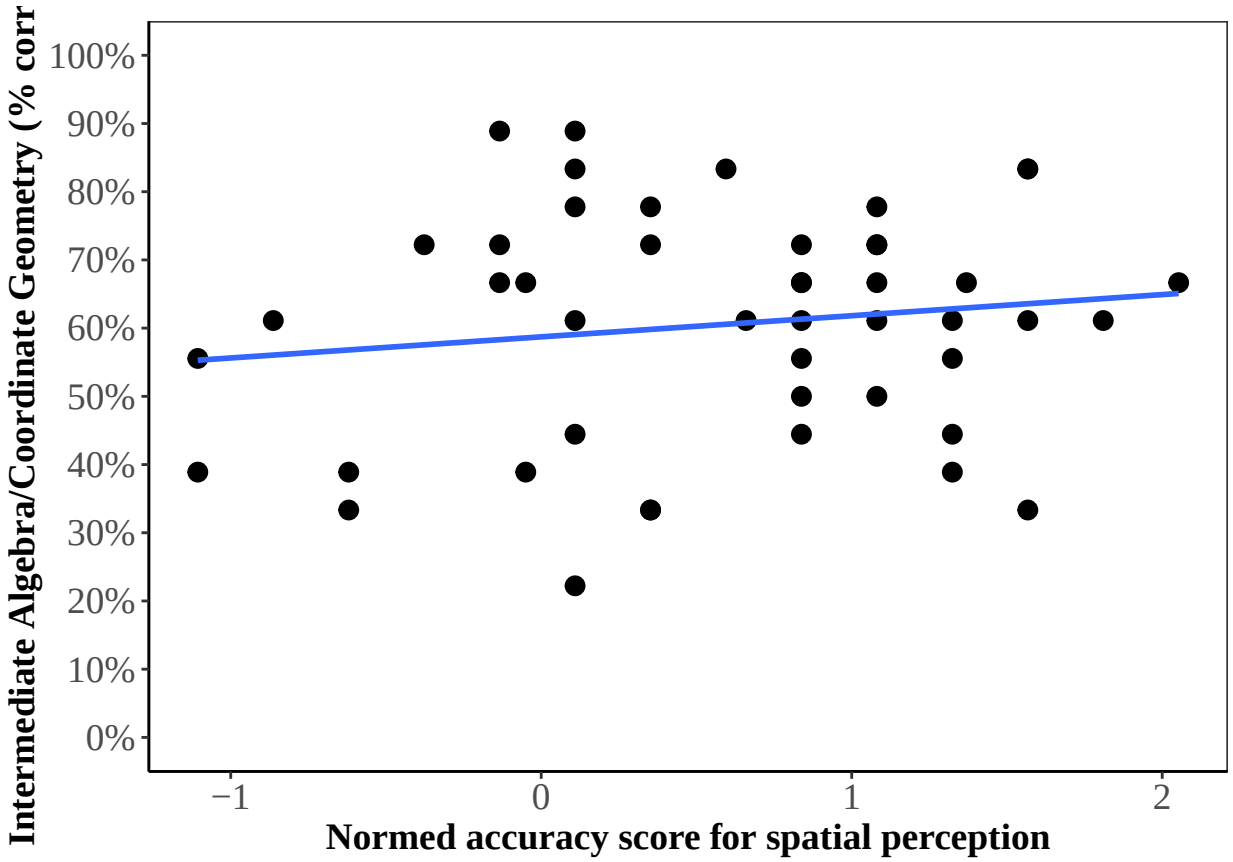

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$SMEM_Az and AG_DF$AGscore
## t = 0.0032005, df = 45, p-value = 0.9975
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2867290  0.2876045
## sample estimates:
##          cor
## 0.0004770957
```

Visual memory speed



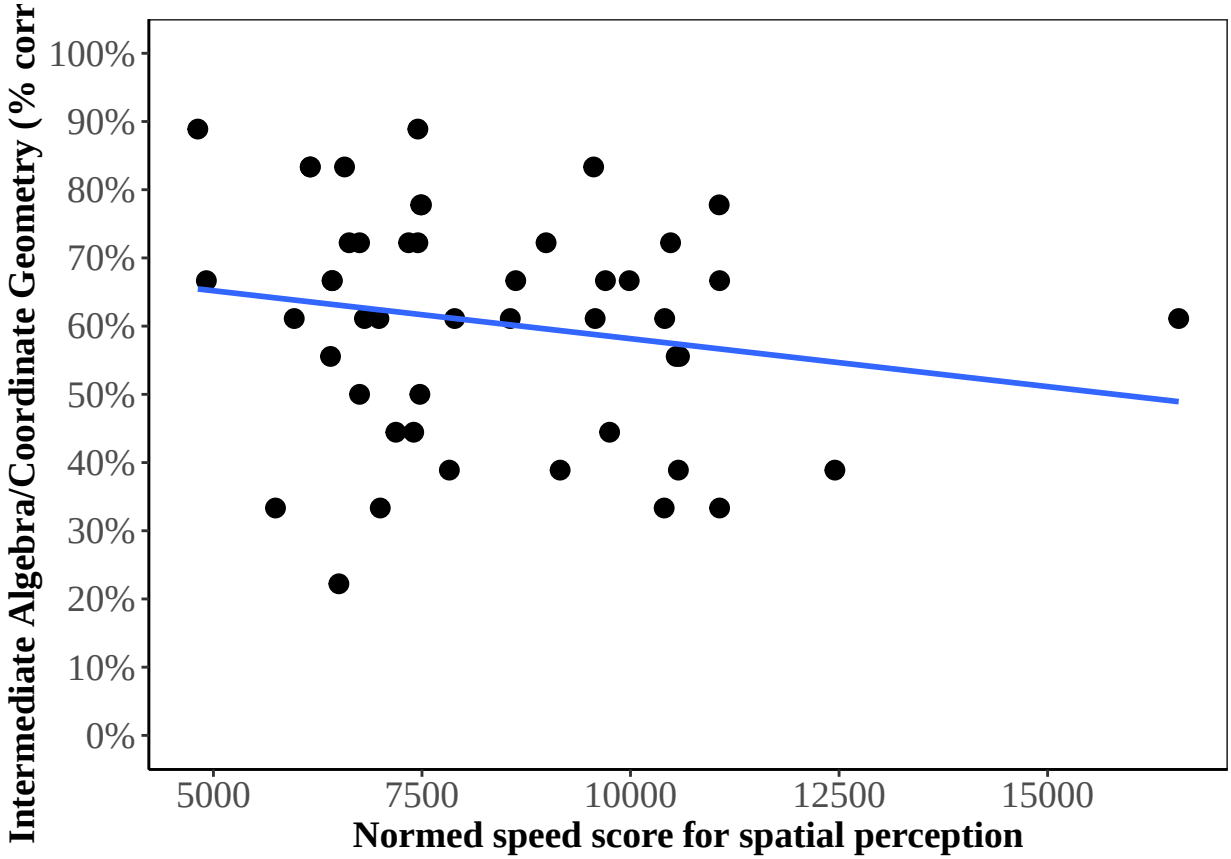

```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$SMEM_Sz and AG_DF$AGscore
## t = 0.18178, df = 45, p-value = 0.8566
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.2621177  0.3118293
## sample estimates:
##        cor
## 0.02708812
```

Spatial perception accuracy




```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$SPA_Az and AG_DF$AGscore
## t = 0.96992, df = 45, p-value = 0.3373
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.1502424  0.4132821
## sample estimates:
##       cor
## 0.1430984
```

Spatial perception speed




```
##
##  Pearson's product-moment correlation
##
## data:  AG_DF$SPA_Sz and AG_DF$AGscore
## t = -1.2765, df = 45, p-value = 0.2083
## alternative hypothesis: true correlation is not equal to 0
## 95 percent confidence interval:
##  -0.4499528  0.1059116
## sample estimates:
##        cor
## -0.1869409
```