```
---------------    ANALYSE DES DONNEES DE LDT ----------------------------

ANOVA-like table for random-effects: Single term deletions

Model:
inverseRT ~ groupe + condition + (1 + groupe + condition | participant) + (1 +
groupe + condition | stim3) + groupe:condition
                                                    npar logLik    AIC     LRT
Df Pr(>Chisq)
<none>                                                73 9943.1 -19740

groupe in (1 + groupe + condition | participant)      55 9940.0 -19770  6.3041
18     0.9948
condition in (1 + groupe + condition | participant)   55 9933.5 -19757 19.1618
18     0.3819
groupe in (1 + groupe + condition | stim3)            55 9931.5 -19753 23.1940
18     0.1832
condition in (1 + groupe + condition | stim3)         55 9938.0 -19766 10.3236
18     0.9208

-------------    CHOIX DE MODELE LINEAIRE SIMPLE  -------------------------

Residuals:
       Min         1Q     Median         3Q        Max
-8.881e-04 -2.732e-04 -2.824e-05  2.635e-04  2.004e-03

Coefficients:
                           Estimate Std. Error t value Pr(>|t|)
(Intercept)                8.146e-04  2.998e-05  27.166  < 2e-16 ***
groupeCTRL                 4.357e-04  3.348e-05  13.013  < 2e-16 ***
groupeCTRL D+              3.284e-04  4.883e-05   6.727    2e-11 ***
groupeDEP                  1.318e-04  4.633e-05   2.846  0.00446 **
conditionHD               -2.922e-06  5.114e-05  -0.057  0.95444
conditionHS                1.256e-05  5.229e-05   0.240  0.81020
conditionNR               -1.764e-05  3.662e-05  -0.482  0.63014
groupeCTRL:conditionHD    -1.090e-05  5.722e-05  -0.190  0.84896
groupeCTRL D+:conditionHD  5.039e-06  8.389e-05   0.060  0.95210
groupeDEP:conditionHD      1.591e-05  7.915e-05   0.201  0.84074
groupeCTRL:conditionHS    -2.617e-05  5.836e-05  -0.448  0.65395
groupeCTRL D+:conditionHS  3.660e-05  8.540e-05   0.429  0.66824
groupeDEP:conditionHS     -5.437e-05  8.018e-05  -0.678  0.49778
groupeCTRL:conditionNR    -6.753e-06  4.093e-05  -0.165  0.86895
groupeCTRL D+:conditionNR  4.538e-05  5.974e-05   0.760  0.44750
groupeDEP:conditionNR     -3.472e-05  5.662e-05  -0.613  0.53971
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.0003636 on 3735 degrees of freedom


------------------------ VALEURS POUR RT SANS TRANSFORMATION
------------------------------
```

```
Call:
lm(formula = RT ~ 1 + groupe + condition + groupe * condition,
    data = DP5)

Residuals:
    Min      1Q  Median      3Q     Max
-1113.7  -274.5   -98.5   171.4  7089.5

Coefficients:
                          Estimate Std. Error t value Pr(>|t|)
(Intercept)               1400.755     41.867  33.457  < 2e-16 ***
groupeCTRL                -520.206     46.746 -11.128  < 2e-16 ***
groupeCTRL D+             -380.721     68.177  -5.584 2.51e-08 ***
groupeDEP                   19.745     64.682   0.305   0.7602
conditionHD                 51.998     71.409   0.728   0.4666
conditionHS                 -8.186     73.018  -0.112   0.9107
conditionNR                 69.917     51.134   1.367   0.1716
groupeCTRL:conditionHD     -41.722     79.888  -0.522   0.6015
groupeCTRL D+:conditionHD  -79.987    117.135  -0.683   0.4947
groupeDEP:conditionHD     -256.880    110.522  -2.324   0.0202 *
groupeCTRL:conditionHS      11.314     81.489   0.139   0.8896
groupeCTRL D+:conditionHS  -34.825    119.245  -0.292   0.7703
groupeDEP:conditionHS       24.056    111.957   0.215   0.8299
groupeCTRL:conditionNR     -47.949     57.145  -0.839   0.4015
groupeCTRL D+:conditionNR -107.653     83.412  -1.291   0.1969
groupeDEP:conditionNR      -53.894     79.055  -0.682   0.4955
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 507.6 on 3735 degrees of freedom
Multiple R-squared:  0.1776,    Adjusted R-squared:  0.1743
F-statistic: 53.78 on 15 and 3735 DF,  p-value: < 2.2e-16




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Analysis of Variance Table

Response: inverseRT
                   Df     Sum Sq    Mean Sq  F value Pr(>F)
groupe              3 0.00010788 3.5961e-05 272.0815 <2e-16 ***
condition           3 0.00000033 1.0900e-07   0.8247 0.4801
groupe:condition    9 0.00000039 4.3000e-08   0.3275 0.9663
Residuals        3735 0.00049365 1.3200e-07
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

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POST HOS SUR MODELE DE REGRESSION -------- LDT -----------
```

```
groupe = AD:
 contrast  estimate       SE   df t.ratio p.value
 AS - HD   2.92e-06 5.11e-05 3735   0.057  0.9544
 AS - HS  -1.26e-05 5.23e-05 3735  -0.240  0.8102
 AS - NR   1.76e-05 3.66e-05 3735   0.482  0.6301
 HD - HS  -1.55e-05 5.96e-05 3735  -0.260  0.7950
 HD - NR   1.47e-05 4.65e-05 3735   0.317  0.7515
 HS - NR   3.02e-05 4.77e-05 3735   0.633  0.5270

groupe = CTRL:
 contrast  estimate       SE   df t.ratio p.value
 AS - HD   1.38e-05 2.57e-05 3735   0.539  0.5901
 AS - HS   1.36e-05 2.59e-05 3735   0.525  0.5996
 AS - NR   2.44e-05 1.83e-05 3735   1.335  0.1820
 HD - HS  -2.15e-07 2.98e-05 3735  -0.007  0.9942
 HD - NR   1.06e-05 2.34e-05 3735   0.451  0.6517
 HS - NR   1.08e-05 2.37e-05 3735   0.455  0.6491

groupe = CTRL D+:
 contrast  estimate       SE   df t.ratio p.value
 AS - HD  -2.12e-06 6.65e-05 3735  -0.032  0.9746
 AS - HS  -4.92e-05 6.75e-05 3735  -0.728  0.4666
 AS - NR  -2.77e-05 4.72e-05 3735  -0.588  0.5567
 HD - HS  -4.70e-05 7.75e-05 3735  -0.607  0.5440
 HD - NR  -2.56e-05 6.07e-05 3735  -0.422  0.6727
 HS - NR   2.14e-05 6.18e-05 3735   0.347  0.7288

groupe = DEP:
 contrast  estimate       SE   df t.ratio p.value
 AS - HD  -1.30e-05 6.04e-05 3735  -0.215  0.8298
 AS - HS   4.18e-05 6.08e-05 3735   0.688  0.4916
 AS - NR   5.24e-05 4.32e-05 3735   1.213  0.2254
 HD - HS   5.48e-05 6.96e-05 3735   0.787  0.4315
 HD - NR   6.53e-05 5.50e-05 3735   1.189  0.2345
 HS - NR   1.06e-05 5.54e-05 3735   0.191  0.8488
Multiple R-squared:  0.1803,    Adjusted R-squared:  0.177
F-statistic: 54.78 on 15 and 3735 DF,  p-value: < 2.2e-16


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------------------------------  RESULTATS CTTAT
----------------------------------------------------------------


------------------------------  GLMER SUR ACCURACY
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Formula: correct ~ 1 + groupe + distractor + association + distractor *
    association + groupe * distractor * association + (1 + distractor |
foil) + (1 + association | Target)
   Data: CTTAT2
Control: glmerControl(optimizer = "bobyqa")
```

```
     AIC      BIC   logLik deviance df.resid
  3456.4   3737.8  -1683.2   3366.4     3795

Scaled residuals:
    Min      1Q  Median      3Q     Max
-6.3019  0.1178  0.3196  0.4559  2.9607

Random effects:
 Groups Name              Variance Std.Dev. Corr
 foil   (Intercept)       0.1864   0.4317
        distractorInCon   0.1132   0.3365   -0.99
 Target (Intercept)       0.5735   0.7573
        associationF.size 1.4306   1.1961   -0.92
        associationHD     1.6241   1.2744   -0.05  0.04
        associationHS     2.3890   1.5457    0.05 -0.05  0.23
Number of obs: 3840, groups:  foil, 60; Target, 60

Fixed effects:
                                            Estimate Std. Error z value
Pr(>|z|)
(Intercept)                                  0.04624    0.33550   0.138
0.890381
groupeCTRL                                   1.86961    0.38817   4.817
1.46e-06 ***
groupeCTRL D+                                4.28828    1.06851   4.013
5.99e-05 ***
groupeDEP                                    0.23779    0.40611   0.586
0.558183
distractorInCon                              1.30870    0.49220   2.659
0.007840 **
associationF.size                            1.13942    0.48575   2.346
0.018992 *
associationHD                                1.52855    0.75379   2.028
0.042580 *
associationHS                                1.18493    0.82685   1.433
0.151839
distractorInCon:associationF.size           -0.97860    0.71242  -1.374
0.169558
distractorInCon:associationHD               -1.93865    1.04361  -1.858
0.063220 .
distractorInCon:associationHS               -1.35791    1.16776  -1.163
0.244898
groupeCTRL:distractorInCon                  -1.23795    0.56082  -2.207
0.027287 *
groupeCTRL D+:distractorInCon               -2.88308    1.25180  -2.303
0.021270 *
groupeDEP:distractorInCon                   -0.29710    0.61269  -0.485
0.627739
groupeCTRL:associationF.size                -1.22689    0.55154  -2.224
0.026117 *
groupeCTRL D+:associationF.size             -1.33306    1.51084  -0.882
0.377599
groupeDEP:associationF.size                 -0.21321    0.60176  -0.354
```

```
0.723104
groupeCTRL:associationHD                          -2.05263    0.54605  -3.759
0.000171 ***
groupeCTRL D+:associationHD                       -3.79523    1.22628  -3.095
0.001969 **
groupeDEP:associationHD                           -0.88137    0.65140  -1.353
0.176041
groupeCTRL:associationHS                          -2.20157    0.51533  -4.272
1.94e-05 ***
groupeCTRL D+:associationHS                       -4.16245    1.17954  -3.529
0.000417 ***
groupeDEP:associationHS                           -0.88349    0.62280  -1.419
0.156026
groupeCTRL:distractorInCon:associationF.size      1.30138    0.76690   1.697
0.089707 .
groupeCTRL D+:distractorInCon:associationF.size   0.98483    1.75360   0.562
0.574388
groupeDEP:distractorInCon:associationF.size       0.86021    0.90937   0.946
0.344182
groupeCTRL:distractorInCon:associationHD          2.02132    0.75462   2.679
0.007393 **
groupeCTRL D+:distractorInCon:associationHD       3.59439    1.48811   2.415
0.015718 *
groupeDEP:distractorInCon:associationHD           0.91638    0.91503   1.001
0.316594
groupeCTRL:distractorInCon:associationHS          1.86808    0.74116   2.520
0.011720 *
groupeCTRL D+:distractorInCon:associationHS       4.79291    1.49697   3.202
0.001366 **
groupeDEP:distractorInCon:associationHS           0.81915    0.90936   0.901
0.367692
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1


 -------------------  UNIQUEMENT SIGNIFICATIFS
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  intercapt est AD en f.color et distracteur congruent


groupeCTRL                                        1.86961    0.38817   4.817
1.46e-06 ***
groupeCTRL D+                                     4.28828    1.06851   4.013
5.99e-05 ***
distractorInCon                                   1.30870    0.49220   2.659
0.007840 **
associationF.size                                 1.13942    0.48575   2.346
0.018992 *
associationHD                                     1.52855    0.75379   2.028
0.042580 *
distractorInCon:associationHD                    -1.93865    1.04361  -1.858
0.063220 .
distractorInCon:associationHS                    -1.35791    1.16776  -1.163
```

```
0.244898
groupeCTRL:distractorInCon                          -1.23795    0.56082  -2.207
0.027287 *
groupeCTRL D+:distractorInCon                       -2.88308    1.25180  -2.303
0.021270 *
groupeCTRL:associationF.size                        -1.22689    0.55154  -2.224
0.026117 *
groupeCTRL:associationHD                            -2.05263    0.54605  -3.759
0.000171 ***
groupeCTRL D+:associationHD                         -3.79523    1.22628  -3.095
0.001969 **
groupeCTRL:associationHS                            -2.20157    0.51533  -4.272
1.94e-05 ***
groupeCTRL D+:associationHS                         -4.16245    1.17954  -3.529
0.000417 ***
groupeCTRL:distractorInCon:associationF.size         1.30138    0.76690   1.697
0.089707 .
groupeCTRL:distractorInCon:associationHD             2.02132    0.75462   2.679
0.007393 **
groupeCTRL D+:distractorInCon:associationHD          3.59439    1.48811   2.415
0.015718 *
groupeCTRL:distractorInCon:associationHS             1.86808    0.74116   2.520
0.011720 *
groupeCTRL D+:distractorInCon:associationHS          4.79291    1.49697   3.202
0.001366 **


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-----------------  PROPORTIONS D'EXACTITUDE
-----------------------------------------


association  groupe       Con     InCon
1       F.color      AD 0.5500000 0.7625000
2       F.color    CTRL 0.8170732 0.8445122
3       F.color CTRL D+ 0.9791667 0.9166667
4       F.color     DEP 0.5357143 0.7500000
5        F.size      AD 0.7500000 0.8000000
6        F.size    CTRL 0.8384146 0.8871951
7        F.size CTRL D+ 0.9791667 0.9166667
8        F.size     DEP 0.7500000 0.8750000
9            HD      AD 0.7571429 0.6571429
10           HD    CTRL 0.7351916 0.7526132
11           HD CTRL D+ 0.8095238 0.8333333
12           HD     DEP 0.6734694 0.6530612
13           HS      AD 0.6714286 0.6714286
14           HS    CTRL 0.6202091 0.7142857
15           HS CTRL D+ 0.6904762 0.9047619
16           HS     DEP 0.5714286 0.6530612

Anova Table (Type 3 tests)
```

```
Response: correct
                         Effect           df            MSE     F      ges
p.value
1                         group           3, 60         0.15    3.08  .070
.034
2                   association          2.76, 165.76  0.03    11.45 .054
<.001
3             group:association          8.29, 165.76  0.03    1.56  .023
.137
4                    distractor          1, 60         0.01    17.06 .012
<.001
5              group:distractor          3, 60         0.01    1.15  .002
.337
6         association:distractor         2.95, 177.18  0.02    3.38  .010
.020
7 group:association:distractor           8.86, 177.18  0.02    2.74  .023
.005
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘+’ 0.1 ‘ ’ 1

Sphericity correction method: GG

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--------------

------------------  TEMPS DE REPONSE CTTAT
-------------------------------------------------


Scaled residuals:
    Min      1Q  Median      3Q     Max
-2.8022 -0.6681 -0.1129  0.5628  5.7641

Random effects:
 Groups   Name              Variance  Std.Dev.  Corr
 Target   (Intercept)       8.821e-10 2.970e-05
          associationF.size 1.681e-09 4.100e-05 -0.98
          associationHD     1.574e-09 3.968e-05 -0.58  0.56
          associationHS     1.299e-09 3.604e-05 -0.18  0.18  0.30
 Residual                   6.038e-09 7.770e-05
Number of obs: 2780, groups:  Target, 60

Fixed effects:
                                                 Estimate Std. Error
df t value Pr(>|t|)
(Intercept)                                     1.156e-04  1.511e-05
1.292e+02   7.649 4.09e-12 ***
groupeCTRL                                      5.644e-05  1.671e-05
1.716e+02   3.378 0.000905 ***
groupeCTRL D+                                   5.955e-05  1.966e-05
3.137e+02   3.029 0.002655 **
groupeDEP                                       8.252e-05  2.003e-05
2.129e+03   4.121 3.92e-05 ***
```

```
associationF.size                                  -4.874e-06  1.981e-05
1.691e+02  -0.246 0.805921
associationHD                                       4.499e-05  2.266e-05
7.803e+01   1.985 0.050647 .
associationHS                                       5.241e-05  2.493e-05
5.452e+01   2.102 0.040183 *
distractorInCon                                     8.454e-06  2.024e-05
1.132e+02   0.418 0.676923
associationF.size:distractorInCon                   7.498e-07  2.690e-05
1.479e+02   0.028 0.977798
associationHD:distractorInCon                      -8.077e-06  3.144e-05
7.374e+01  -0.257 0.797932
associationHS:distractorInCon                       1.549e-05  3.460e-05
5.092e+01   0.448 0.656306
groupeCTRL:associationF.size                       -1.668e-05  1.953e-05
1.547e+02  -0.854 0.394523
groupeCTRL D+:associationF.size                    -2.409e-05  2.462e-05
3.709e+02  -0.978 0.328526
groupeDEP:associationF.size                        -4.757e-05  2.590e-05
2.144e+03  -1.836 0.066433 .
groupeCTRL:associationHD                           -1.707e-05  2.080e-05
3.884e+02  -0.821 0.412154
groupeCTRL D+:associationHD                        -5.407e-05  2.667e-05
8.718e+02  -2.027 0.042970 *
groupeDEP:associationHD                            -4.522e-05  2.682e-05
2.553e+03  -1.686 0.091975 .
groupeCTRL:associationHS                           -3.541e-05  2.117e-05
4.140e+02  -1.672 0.095195 .
groupeCTRL D+:associationHS                        -3.141e-05  2.742e-05
9.433e+02  -1.146 0.252203
groupeDEP:associationHS                            -4.644e-05  2.753e-05
2.574e+03  -1.687 0.091759 .
groupeCTRL:distractorInCon                          1.928e-05  2.213e-05
1.974e+02   0.871 0.384629
groupeCTRL D+:distractorInCon                       1.538e-05  2.673e-05
3.932e+02   0.576 0.565261
groupeDEP:distractorInCon                          -1.777e-06  2.624e-05
2.043e+03  -0.068 0.946033
groupeCTRL:associationF.size:distractorInCon       -1.655e-05  2.626e-05
1.631e+02  -0.630 0.529301
groupeCTRL D+:associationF.size:distractorInCon -5.634e-06  3.414e-05
4.323e+02  -0.165 0.869007
groupeDEP:associationF.size:distractorInCon         1.198e-05  3.435e-05
2.027e+03   0.349 0.727192
groupeCTRL:associationHD:distractorInCon           -7.978e-06  2.841e-05
4.925e+02  -0.281 0.778991
groupeCTRL D+:associationHD:distractorInCon         2.836e-05  3.692e-05
1.088e+03   0.768 0.442547
groupeDEP:associationHD:distractorInCon             4.804e-05  3.657e-05
2.556e+03   1.314 0.189105
groupeCTRL:associationHS:distractorInCon           -2.004e-05  2.869e-05
5.094e+02  -0.698 0.485205
groupeCTRL D+:associationHS:distractorInCon        -4.634e-05  3.737e-05
1.122e+03  -1.240 0.215260
```

```
groupeDEP:associationHS:distractorInCon         -1.343e-05  3.727e-05
2.570e+03  -0.360 0.718617
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

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uniquement sign :

Scaled residuals:
    Min      1Q  Median      3Q     Max
-2.8022 -0.6681 -0.1129  0.5628  5.7641

Random effects:
 Groups   Name              Variance  Std.Dev.  Corr
 Target   (Intercept)       8.821e-10 2.970e-05
          associationF.size 1.681e-09 4.100e-05 -0.98
          associationHD     1.574e-09 3.968e-05 -0.58  0.56
          associationHS     1.299e-09 3.604e-05 -0.18  0.18  0.30
 Residual                   6.038e-09 7.770e-05
Number of obs: 2780, groups:  Target, 60

Fixed effects:
                                                 Estimate Std. Error
df t value Pr(>|t|)
(Intercept)                                     1.156e-04  1.511e-05
1.292e+02   7.649 4.09e-12 ***
groupeCTRL                                      5.644e-05  1.671e-05
1.716e+02   3.378 0.000905 ***
groupeCTRL D+                                   5.955e-05  1.966e-05
3.137e+02   3.029 0.002655 **
groupeDEP                                       8.252e-05  2.003e-05
2.129e+03   4.121 3.92e-05 ***
associationHD                                   4.499e-05  2.266e-05
7.803e+01   1.985 0.050647 .
associationHS                                   5.241e-05  2.493e-05
5.452e+01   2.102 0.040183 *
groupeDEP:associationF.size                    -4.757e-05  2.590e-05
2.144e+03  -1.836 0.066433 .
groupeCTRL D+:associationHD                    -5.407e-05  2.667e-05
8.718e+02  -2.027 0.042970 *
groupeDEP:associationHD                        -4.522e-05  2.682e-05
2.553e+03  -1.686 0.091975 .
groupeCTRL:associationHS                       -3.541e-05  2.117e-05
4.140e+02  -1.672 0.095195 .
groupeDEP:associationHS                        -4.644e-05  2.753e-05
2.574e+03  -1.687 0.091759 .

---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

>       anova(priming.lmer_mod_cttatt2)
Type III Analysis of Variance Table with Satterthwaite's method
```

```
                                    Sum Sq    Mean Sq NumDF   DenDF F value
Pr(>F)
groupe                         5.5846e-07 1.8615e-07     3 1880.41 30.8325 <
2.2e-16 ***
association                    1.9237e-07 6.4124e-08     3   41.44 10.6208
2.616e-05 ***
distractor                     2.4830e-08 2.4828e-08     1   35.00  4.1122
0.05024 .
association:distractor         1.7000e-09 5.6800e-10     3   41.44  0.0941
0.96287
groupe:association             1.0072e-07 1.1191e-08     9 1471.12  1.8535
0.05488 .
groupe:distractor              5.2100e-09 1.7360e-09     3 1880.41  0.2875
0.83447
groupe:association:distractor 5.3660e-08 5.9630e-09     9 1471.12  0.9876
0.44817
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

--------------------------------------------------------------------------------
--------------------------------------

-------------------------  PRINCIPAL COMPONENT ANALYSIS
-------------------------------------------------------------

$Dim.1

Link between the variable and the continuous variables (R-square)
================================================================================
==
                   correlation      p.value
<NA>                        NA           NA
AS                   0.8433707 2.240363e-18
NR                   0.8429708 2.409467e-18
HS                   0.8229536 7.247418e-17
HD                   0.8117747 4.049142e-16
Acolor               0.6646057 2.118869e-09
PhonFluency          0.5950235 2.157439e-07
SemFluency           0.5853941 3.761086e-07
MMSE                 0.5685029 9.558472e-07
WAISvoc              0.5617989 1.364585e-06
Education            0.5590698 1.573886e-06
CCT                  0.5398530 4.151126e-06
Asize                0.5269330 7.710355e-06
WAISsim              0.5054415 2.044974e-05
AHD                  0.4686220 9.405609e-05
AHS                  0.4357952 3.190087e-04
StroopIF            -0.2650898 3.426369e-02
staiE               -0.2989214 1.642291e-02
Previous.MDNumber   -0.3049409 1.428131e-02
staiT               -0.3247519 8.839790e-03
age                 -0.3682948 2.750712e-03
GDS30               -0.4966513 2.991379e-05
```

```
Link between the variable and the categorical variable (1-way anova)
==========================================
              R2      p.value
groupe 0.3534589 7.956759e-06

Link between variable abd the categories of the categorical variables
=================================================================
             Estimate      p.value
groupe=CTRL  1.915042 1.684573e-05
groupe=DEP  -1.568732 7.295511e-03
groupe=AD   -1.724788 3.428619e-04

$Dim.2

Link between the variable and the continuous variables (R-square)
================================================================================
==
        correlation      p.value
<NA>             NA           NA
staiE     0.7962109 3.705239e-15
staiT     0.7958406 3.896485e-15
GDS30     0.7643151 2.005195e-13
BDI2      0.4898830 3.981109e-05
AHS       0.4129563 6.957355e-04
WAISsim   0.4043398 9.207456e-04
CCT       0.3383774 6.240937e-03
AHD       0.3030523 1.492572e-02
WAISvoc   0.2927639 1.889267e-02
Asize     0.2704991 3.063209e-02
MMSE     -0.2976100 1.692435e-02

Link between the variable and the categorical variable (1-way anova)
==========================================
              R2      p.value
groupe 0.3637973 4.971148e-06

Link between variable abd the categories of the categorical variables
=================================================================
                Estimate      p.value
groupe=DEP      1.418383 0.0002425728
groupe=CTRL D+  1.138003 0.0039616067
groupe=CTRL    -1.346207 0.0004513215

$Dim.3

Link between the variable and the continuous variables (R-square)
================================================================================
==
                  correlation      p.value
<NA>                       NA           NA
BDI2                0.5428567 3.581310e-06
AS                  0.4218732 5.164833e-04
NR                  0.4209527 5.328175e-04
HD                  0.4159520 6.300440e-04
```

```
HS                   0.4147002 6.567789e-04
StroopIF             0.3577490 3.704316e-03
Previous.MDNumber    0.3401562 5.956927e-03
WAISvoc             -0.2532520 4.347360e-02
Acolor              -0.2670529 3.290632e-02
Asize               -0.3117242 1.216015e-02
Education           -0.3870525 1.580291e-03
age                 -0.4794726 6.108093e-05
AHS                 -0.5304276 6.537787e-06
AHD                 -0.5371291 4.740093e-06

Link between the variable and the categorical variable (1-way anova)
============================================
              R2      p.value
groupe 0.259452 0.0004062524

Link between variable abd the categories of the categorical variables
================================================================
            Estimate      p.value
groupe=DEP  1.411459 0.0207916215
groupe=AD  -1.623673 0.0001683434
--------------------------------------------------------------------------------
---------------------------------------

---------------------------  MODELE DE REGRESSION LINEAIRE SUR BASE DES
DIMENSIONS ----------------------------------

uniquement resultats sign :
--------------------------

MODEL 1 (Wais voc, WAis sim, Sem fl, phon fl, cct, stroop, edu)


#### Sur accuracy HD (avec distracteur incongruent) --------------

   Min      1Q  Median      3Q     Max
-13.886  -6.964   2.951   4.203  15.225

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 273.1226    88.7281   3.078  0.01318 *
CCT          -4.6499     1.4420  -3.225  0.01041 *
StroopIF    -21.6053    11.3470  -1.904  0.08931 .
WAISvoc       2.7931     0.8137   3.433  0.00748 **
WAISsim       0.4968     1.1960   0.415  0.68762
PhonFluency  -0.4755     0.7328  -0.649  0.53256
SemFluency    0.8998     0.6520   1.380  0.20089
Education    -3.3266     2.2337  -1.489  0.17060
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 11.65 on 9 degrees of freedom
  (47 observations effacées parce que manquantes)
Multiple R-squared:  0.8133,    Adjusted R-squared:  0.6681
```

```
F-statistic: 5.601 on 7 and 9 DF,  p-value: 0.01007


#### Sur accuracy HD (avec distracteur CONGRUENT) ----------------


Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 279.0711   122.7365   2.274   0.0491 *
CCT          -4.1536     1.9947  -2.082   0.0670 .
StroopIF    -13.3957    15.6961  -0.853   0.4156
WAISvoc       2.8047     1.1255   2.492   0.0343 *
WAISsim      -0.7747     1.6545  -0.468   0.6507
PhonFluency  -0.8587     1.0136  -0.847   0.4189
SemFluency    1.0352     0.9019   1.148   0.2807
Education    -2.8715     3.0899  -0.929   0.3770
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 16.12 on 9 degrees of freedom
  (47 observations effacées parce que manquantes)
Multiple R-squared:  0.5633,    Adjusted R-squared:  0.2237
F-statistic: 1.659 on 7 and 9 DF,  p-value: 0.2352

-
##### sur temps de réponse HD (avec distracteur incongruent) -----------------

Call:
lm(formula = HD_InCon ~ CCT + StroopIF + WAISvoc + WAISsim +
    PhonFluency + SemFluency + Education, data = data_median)

Residuals:
    Min      1Q  Median      3Q     Max
-2501.1 -1063.8  -301.3   687.7  5565.8

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 40269.95   19239.82   2.093   0.0659 .
CCT          -657.64     312.69  -2.103   0.0648 .
StroopIF     3221.48    2460.48   1.309   0.2229
WAISvoc       152.65     176.43   0.865   0.4094
WAISsim       -17.98     259.35  -0.069   0.9462
PhonFluency    97.79     158.89   0.615   0.5535
SemFluency    -79.34     141.39  -0.561   0.5884
Education    -396.70     484.36  -0.819   0.4339
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 2527 on 9 degrees of freedom
  (47 observations effacées parce que manquantes)
Multiple R-squared:  0.7122,    Adjusted R-squared:  0.4883
F-statistic: 3.181 on 7 and 9 DF,  p-value: 0.05486
```

sur temps de réponse HD (avec distracteur CONGRUENT)

```
Residuals:
    Min      1Q  Median      3Q     Max
-3296.8 -1230.3   -82.3  1377.8  3837.9

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 13275.15   19117.15   0.694   0.5050
CCT          -326.69     310.70  -1.051   0.3205
StroopIF     6465.37    2444.79   2.645   0.0267 *
WAISvoc      -174.78     175.31  -0.997   0.3448
WAISsim       531.74     257.70   2.063   0.0691 .
PhonFluency    42.36     157.88   0.268   0.7945
SemFluency    -26.99     140.49  -0.192   0.8519
Education     -81.37     481.27  -0.169   0.8695
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 2510 on 9 degrees of freedom
  (47 observations effacées parce que manquantes)
Multiple R-squared:  0.6784,    Adjusted R-squared:  0.4283
F-statistic: 2.712 on 7 and 9 DF,  p-value: 0.08258
```

sur temps de réponse COLOR (ave distracteur CONGRUENT)

```
Residuals:
    Min      1Q  Median      3Q     Max
-2839.7 -1187.8   201.2  1041.3  4356.2

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  56643.2    20337.9   2.785   0.0212 *
CCT           -771.2      330.5  -2.333   0.0445 *
StroopIF      1981.5     2600.9   0.762   0.4656
WAISvoc        275.6      186.5   1.478   0.1737
WAISsim        -72.4      274.1  -0.264   0.7977
PhonFluency    279.5      168.0   1.664   0.1304
SemFluency    -420.0      149.5  -2.810   0.0204 *
Education     -678.7      512.0  -1.326   0.2176
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 2671 on 9 degrees of freedom
  (47 observations effacées parce que manquantes)
Multiple R-squared:  0.8058,    Adjusted R-squared:  0.6548
F-statistic: 5.335 on 7 and 9 DF,  p-value: 0.01181
```

MODELE 2 :

```
#### sur accurary Homonyme subordonné (avec distracteur CONGRUENT)
----------------------------

Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)        32.5143    37.0132   0.878   0.4199
Education           4.8412     2.2525   2.149   0.0843 .
Previous.MDNumber -16.1187     6.8903  -2.339   0.0664 .
Age_firstMDE        0.3533     0.3367   1.050   0.3420
staiE              -0.7906     0.7335  -1.078   0.3303
staiT               0.8750     1.0762   0.813   0.4532
MMSE               -1.3055     0.4528  -2.883   0.0345 *
GDS30              -1.5832     1.6574  -0.955   0.3833
BDI2                1.4302     0.6015   2.378   0.0633 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 10.15 on 5 degrees of freedom
  (50 observations effacées parce que manquantes)
Multiple R-squared:  0.8965,    Adjusted R-squared:  0.7308
F-statistic: 5.412 on 8 and 5 DF,  p-value: 0.03961

##### sur accuracy Homonyme dominant (avec distracteur incongruent)
--------------------------

Residuals:
       4        5        6        7        9       10       13       14
16       17       19       21       23       24
  6.6680  -0.4173  18.0018   8.4614  -8.3082  -0.6623  -8.7501  -7.1913
-0.2356  -5.5942  12.5353 -17.4346  14.2284 -11.3013

Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)       124.8709    62.3570   2.003   0.1016
Education          -0.4452     3.7948  -0.117   0.9112
Previous.MDNumber  -8.9906    11.6083  -0.774   0.4737
Age_firstMDE        0.9022     0.5672   1.591   0.1726
staiE               1.0415     1.2357   0.843   0.4378
staiT              -1.6027     1.8132  -0.884   0.4172
MMSE               -1.8636     0.7628  -2.443   0.0584 .
GDS30              -2.9292     2.7922  -1.049   0.3422
BDI2                1.0964     1.0133   1.082   0.3286
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 17.09 on 5 degrees of freedom
  (50 observations effacées parce que manquantes)
Multiple R-squared:  0.7032,    Adjusted R-squared:  0.2284
F-statistic: 1.481 on 8 and 5 DF,  p-value: 0.3456


#### sur accuracy Homonyme dominant (avec distracteur CONGRUENT)
------------------------------
```

```
Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)       195.8165    49.2499   3.976   0.0106 *
Education          -5.9999     2.9972  -2.002   0.1017
Previous.MDNumber   3.9437     9.1683   0.430   0.6850
Age_firstMDE        1.1346     0.4480   2.533   0.0524 .
staiE               2.2671     0.9760   2.323   0.0678 .
staiT              -2.5648     1.4321  -1.791   0.1333
MMSE               -2.0653     0.6025  -3.428   0.0187 *
GDS30              -4.6176     2.2053  -2.094   0.0905 .
BDI2                0.7478     0.8003   0.934   0.3930
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 13.5 on 5 degrees of freedom
  (50 observations effacées parce que manquantes)
Multiple R-squared:  0.7807,    Adjusted R-squared:  0.4298
F-statistic: 2.225 on 8 and 5 DF,  p-value: 0.1969


##### sur accuracy Couleur (avec distracteur incongruent)
---------------------------------

Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)       -42.2795    53.1965  -0.795   0.4628
Education           7.5085     3.2374   2.319   0.0681 .
Previous.MDNumber  -3.3265     9.9030  -0.336   0.7506
Age_firstMDE        0.1375     0.4839   0.284   0.7877
staiE               1.2198     1.0542   1.157   0.2995
staiT               1.2794     1.5468   0.827   0.4458
MMSE               -1.0889     0.6507  -1.673   0.1551
GDS30              -6.5999     2.3820  -2.771   0.0393 *
BDI2                1.8862     0.8644   2.182   0.0809 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 14.58 on 5 degrees of freedom
  (50 observations effacées parce que manquantes)
Multiple R-squared:  0.8299,    Adjusted R-squared:  0.5578
F-statistic:  3.05 on 8 and 5 DF,  p-value: 0.1174


##### sur accuracy Couleur (avec distracteur CONGRUENT)
---------------------------------


Coefficients:
    Estimate Std. Error t value Pr(>|t|)
(Intercept)       -42.2795    53.1965  -0.795   0.4628
Education           7.5085     3.2374   2.319   0.0681 .
Previous.MDNumber  -3.3265     9.9030  -0.336   0.7506
Age_firstMDE        0.1375     0.4839   0.284   0.7877
```

```
staiE                1.2198     1.0542   1.157   0.2995
staiT                1.2794     1.5468   0.827   0.4458
MMSE                -1.0889     0.6507  -1.673   0.1551
GDS30               -6.5999     2.3820  -2.771   0.0393 *
    BDI2                 1.8862     0.8644   2.182   0.0809 .
---
    Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 14.58 on 5 degrees of freedom
(50 observations effacées parce que manquantes)
Multiple R-squared:  0.8299,    Adjusted R-squared:  0.5578
F-statistic:  3.05 on 8 and 5 DF,  p-value: 0.1174

##### sur accuracy taille (avec distracteur incongruent)
-----------------------------------


Coefficients:
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)       -42.2795    53.1965  -0.795   0.4628
Education           7.5085     3.2374   2.319   0.0681 .
Previous.MDNumber  -3.3265     9.9030  -0.336   0.7506
Age_firstMDE        0.1375     0.4839   0.284   0.7877
staiE               1.2198     1.0542   1.157   0.2995
staiT               1.2794     1.5468   0.827   0.4458
MMSE               -1.0889     0.6507  -1.673   0.1551
GDS30              -6.5999     2.3820  -2.771   0.0393 *
BDI2                1.8862     0.8644   2.182   0.0809 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 14.58 on 5 degrees of freedom
  (50 observations effacées parce que manquantes)
Multiple R-squared:  0.8299,    Adjusted R-squared:  0.5578
F-statistic:  3.05 on 8 and 5 DF,  p-value: 0.1174
```