**Supplementary Table 2.** Correlational matrix for variables used in multinomial logistic regression models

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Word recall | General knowledge | Category fluency | Pattern comparison | Trail making B | *APOE* | Hippocampal volume | White matter hyper-intensity volume |
| Word recall | Pearson CorrelationSig. (2-tailed)N | - | 0.090.072414 | 0.37\*\*<0.000415 | 0.36\*\*<0.000413 | 0.15\*\*0.003412 | -0.010.806407 | 0.29\*\*<0.000405 | -0.17\*\*0.001405 |
| General knowledge | Pearson CorrelationSig. (2-tailed)N |  | - | 0.16\*\*0.001413 | 0.13\*\*0.008410 | 0.13\*\*0.009409 | -0.030.621405 | 0.050.344404 | -0.11\*0.022403 |
| Category fluency | Pearson CorrelationSig. (2-tailed)N |  |  | - | 0.53\*\*<0.000412 | 0.20\*\*<0.000411 | -0.010.815406 | 0.24\*\*<0.000404 | -0.21\*\*<0.000404 |
| Pattern comparison | Pearson CorrelationSig. (2-tailed)N |  |  |  | - | 0.20\*\*<0.000412 | -0.11\*0.025403 | 0.39\*\*<0.000401 | -0.28\*\*<0.000401 |
| Trail making B | Pearson CorrelationSig. (2-tailed)N |  |  |  |  | - | -0.03.0493402 | 0.18\*\*<0.000400 | -0.16\*\*0.002400 |
| *APOE* | Pearson CorrelationSig. (2-tailed)N |  |  |  |  |  | - | -0.060.203396 | -0.010.902396 |
| Hippocampal volume | Pearson CorrelationSig. (2-tailed)N |  |  |  |  |  |  | - | -0.37\*\*<0.000394 |
| White matter hyper-intensity volume | Pearson CorrelationSig. (2-tailed)N |  |  |  |  |  |  |  | - |

\* p<0.05; \*\* p<0.01