t-test run for site (Marburg, Münster). No significant differences in gyrification between sites. Results would be considered significant at p<0.0007 due to correction for multiple comparisons.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Independent Samples Test** | | | | | | | | | | | |
|  | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | | |
| F | Sig. | t | df | Significance | | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| One-Sided p | Two-Sided p | Lower | Upper |
| Gyrification\_rbankssts | Equal variances assumed | 3.614 | .058 | -1.342 | 1026 | .090 | .180 | -.1548277 | .1153499 | -.3811764 | .0715209 |
| Equal variances not assumed |  |  | -1.342 | 1020.590 | .090 | .180 | -.1548277 | .1153654 | -.3812082 | .0715527 |
| Gyrification\_lcaudalanteriorcingulate | Equal variances assumed | 3.505 | .061 | -2.167 | 1026 | .015 | .030 | -.3259159 | .1504039 | -.6210503 | -.0307815 |
| Equal variances not assumed |  |  | -2.167 | 1019.888 | .015 | .030 | -.3259159 | .1504254 | -.6210946 | -.0307372 |
| Gyrification\_rcaudalanteriorcingulate | Equal variances assumed | 2.808 | .094 | -.195 | 1026 | .423 | .846 | -.0212280 | .1089282 | -.2349755 | .1925195 |
| Equal variances not assumed |  |  | -.195 | 1013.679 | .423 | .846 | -.0212280 | .1089508 | -.2350229 | .1925668 |
| Gyrification\_lcaudalmiddlefrontal | Equal variances assumed | .419 | .517 | .205 | 1026 | .419 | .838 | .0139359 | .0680171 | -.1195326 | .1474043 |
| Equal variances not assumed |  |  | .205 | 1025.647 | .419 | .838 | .0139359 | .0680141 | -.1195268 | .1473985 |
| Gyrification\_rcaudalmiddlefrontal | Equal variances assumed | .776 | .378 | .307 | 1026 | .380 | .759 | .0232083 | .0757113 | -.1253583 | .1717749 |
| Equal variances not assumed |  |  | .307 | 1024.379 | .380 | .759 | .0232083 | .0757166 | -.1253690 | .1717855 |
| Gyrification\_lcuneus | Equal variances assumed | .015 | .902 | -1.828 | 1026 | .034 | .068 | -.1605151 | .0878218 | -.3328460 | .0118157 |
| Equal variances not assumed |  |  | -1.828 | 1025.950 | .034 | .068 | -.1605151 | .0878223 | -.3328470 | .0118168 |
| Gyrification\_rcuneus | Equal variances assumed | 4.348 | .037 | -.586 | 1026 | .279 | .558 | -.0484264 | .0826950 | -.2106970 | .1138443 |
| Equal variances not assumed |  |  | -.585 | 1009.800 | .279 | .558 | -.0484264 | .0827148 | -.2107389 | .1138862 |
| Gyrification\_lentorhinal | Equal variances assumed | 9.532 | .002 | -.081 | 1026 | .468 | .936 | -.0094720 | .1173024 | -.2396520 | .2207081 |
| Equal variances not assumed |  |  | -.081 | 997.554 | .468 | .936 | -.0094720 | .1173401 | -.2397337 | .2207898 |
| Gyrification\_rentorhinal | Equal variances assumed | 2.688 | .101 | -1.247 | 1026 | .106 | .213 | -.1475643 | .1183140 | -.3797294 | .0846008 |
| Equal variances not assumed |  |  | -1.247 | 1021.401 | .106 | .213 | -.1475643 | .1183286 | -.3797592 | .0846306 |
| Gyrification\_lfusiform | Equal variances assumed | .515 | .473 | 2.051 | 1026 | .020 | .041 | .1312930 | .0640280 | .0056522 | .2569339 |
| Equal variances not assumed |  |  | 2.050 | 1024.461 | .020 | .041 | .1312930 | .0640324 | .0056435 | .2569426 |
| Gyrification\_rfusiform | Equal variances assumed | 2.369 | .124 | 1.258 | 1026 | .104 | .209 | .0854203 | .0679094 | -.0478367 | .2186774 |
| Equal variances not assumed |  |  | 1.258 | 1021.026 | .104 | .209 | .0854203 | .0679181 | -.0478546 | .2186953 |
| Gyrification\_linferiorparietal | Equal variances assumed | .186 | .666 | 3.421 | 1026 | <.001 | <.001 | .2042219 | .0596886 | .0870962 | .3213476 |
| Equal variances not assumed |  |  | 3.422 | 1025.705 | <.001 | <.001 | .2042219 | .0596862 | .0871010 | .3213429 |
| Gyrification\_rinferiorparietal | Equal variances assumed | 1.183 | .277 | 1.901 | 1026 | .029 | .058 | .1119490 | .0589010 | -.0036311 | .2275291 |
| Equal variances not assumed |  |  | 1.900 | 1017.880 | .029 | .058 | .1119490 | .0589108 | -.0036514 | .2275495 |
| Gyrification\_linferiortemporal | Equal variances assumed | .104 | .747 | 2.121 | 1026 | .017 | .034 | .1289600 | .0607935 | .0096662 | .2482538 |
| Equal variances not assumed |  |  | 2.121 | 1025.991 | .017 | .034 | .1289600 | .0607934 | .0096664 | .2482536 |
| Gyrification\_rinferiortemporal | Equal variances assumed | 4.760 | .029 | 2.248 | 1026 | .012 | .025 | .1328993 | .0591270 | .0168757 | .2489229 |
| Equal variances not assumed |  |  | 2.247 | 1007.845 | .012 | .025 | .1328993 | .0591420 | .0168437 | .2489548 |
| Gyrification\_listhmuscingulate | Equal variances assumed | 12.423 | <.001 | -.790 | 1026 | .215 | .429 | -.0881301 | .1114937 | -.3069119 | .1306517 |
| Equal variances not assumed |  |  | -.790 | 1008.104 | .215 | .430 | -.0881301 | .1115218 | -.3069716 | .1307115 |
| Gyrification\_risthmuscingulate | Equal variances assumed | .152 | .696 | -.701 | 1026 | .242 | .484 | -.0694267 | .0990765 | -.2638423 | .1249889 |
| Equal variances not assumed |  |  | -.701 | 1022.003 | .242 | .484 | -.0694267 | .0990878 | -.2638654 | .1250120 |
| Gyrification\_llateraloccipital | Equal variances assumed | 2.206 | .138 | 2.273 | 1026 | .012 | .023 | .1196187 | .0526216 | .0163604 | .2228769 |
| Equal variances not assumed |  |  | 2.273 | 1025.297 | .012 | .023 | .1196187 | .0526185 | .0163664 | .2228710 |
| Gyrification\_rlateraloccipital | Equal variances assumed | .486 | .486 | 3.088 | 1026 | .001 | .002 | .1633785 | .0529157 | .0595432 | .2672138 |
| Equal variances not assumed |  |  | 3.087 | 1022.835 | .001 | .002 | .1633785 | .0529210 | .0595324 | .2672247 |
| Gyrification\_llateralorbitofrontal | Equal variances assumed | 1.479 | .224 | 2.313 | 1026 | .010 | .021 | .1389334 | .0600575 | .0210838 | .2567830 |
| Equal variances not assumed |  |  | 2.313 | 1022.872 | .010 | .021 | .1389334 | .0600635 | .0210716 | .2567952 |
| Gyrification\_rlateralorbitofrontal | Equal variances assumed | .097 | .755 | .441 | 1026 | .330 | .659 | .0269236 | .0609949 | -.0927653 | .1466125 |
| Equal variances not assumed |  |  | .441 | 1025.960 | .330 | .659 | .0269236 | .0609951 | -.0927659 | .1466130 |
| Gyrification\_llingual | Equal variances assumed | 1.416 | .234 | -1.754 | 1026 | .040 | .080 | -.1112174 | .0634159 | -.2356570 | .0132223 |
| Equal variances not assumed |  |  | -1.754 | 1023.434 | .040 | .080 | -.1112174 | .0634092 | -.2356443 | .0132095 |
| Gyrification\_rlingual | Equal variances assumed | 2.719 | .099 | .652 | 1026 | .257 | .514 | .0427652 | .0655732 | -.0859077 | .1714381 |
| Equal variances not assumed |  |  | .652 | 1023.417 | .257 | .514 | .0427652 | .0655791 | -.0859197 | .1714501 |
| Gyrification\_lmedialorbitofrontal | Equal variances assumed | .705 | .401 | 4.360 | 1026 | <.001 | <.001 | .3016116 | .0691801 | .1658609 | .4373622 |
| Equal variances not assumed |  |  | 4.360 | 1025.352 | <.001 | <.001 | .3016116 | .0691830 | .1658552 | .4373680 |
| Gyrification\_rmedialorbitofrontal | Equal variances assumed | 2.343 | .126 | 1.785 | 1026 | .037 | .075 | .1476904 | .0827426 | -.0146736 | .3100543 |
| Equal variances not assumed |  |  | 1.785 | 1021.943 | .037 | .075 | .1476904 | .0827521 | -.0146931 | .3100738 |
| Gyrification\_lmiddletemporal | Equal variances assumed | .594 | .441 | 2.562 | 1026 | .005 | .011 | .1644554 | .0641862 | .0385043 | .2904066 |
| Equal variances not assumed |  |  | 2.562 | 1022.877 | .005 | .011 | .1644554 | .0641926 | .0384913 | .2904196 |
| Gyrification\_rmiddletemporal | Equal variances assumed | .720 | .396 | -.660 | 1026 | .255 | .510 | -.0399366 | .0605479 | -.1587486 | .0788753 |
| Equal variances not assumed |  |  | -.660 | 1024.392 | .255 | .510 | -.0399366 | .0605521 | -.1587570 | .0788838 |
| Gyrification\_lparahippocampal | Equal variances assumed | 1.250 | .264 | -1.707 | 1026 | .044 | .088 | -.1925832 | .1128302 | -.4139875 | .0288210 |
| Equal variances not assumed |  |  | -1.707 | 1023.873 | .044 | .088 | -.1925832 | .1128393 | -.4140060 | .0288396 |
| Gyrification\_rparahippocampal | Equal variances assumed | .630 | .428 | -2.466 | 1026 | .007 | .014 | -.2821700 | .1144057 | -.5066659 | -.0576742 |
| Equal variances not assumed |  |  | -2.466 | 1025.223 | .007 | .014 | -.2821700 | .1144109 | -.5066764 | -.0576637 |
| Gyrification\_lparacentral | Equal variances assumed | 1.267 | .261 | -1.064 | 1026 | .144 | .288 | -.0918736 | .0863799 | -.2613751 | .0776278 |
| Equal variances not assumed |  |  | -1.063 | 1020.492 | .144 | .288 | -.0918736 | .0863916 | -.2613992 | .0776519 |
| Gyrification\_rparacentral | Equal variances assumed | .042 | .838 | -.657 | 1026 | .256 | .511 | -.0529239 | .0805623 | -.2110095 | .1051618 |
| Equal variances not assumed |  |  | -.657 | 1025.986 | .256 | .511 | -.0529239 | .0805622 | -.2110095 | .1051617 |
| Gyrification\_lparsopercularis | Equal variances assumed | .000 | .983 | 1.328 | 1026 | .092 | .184 | .0929264 | .0699753 | -.0443847 | .2302376 |
| Equal variances not assumed |  |  | 1.328 | 1025.740 | .092 | .184 | .0929264 | .0699770 | -.0443880 | .2302408 |
| Gyrification\_rparsopercularis | Equal variances assumed | .084 | .772 | 2.732 | 1026 | .003 | .006 | .2003071 | .0733159 | .0564407 | .3441734 |
| Equal variances not assumed |  |  | 2.732 | 1025.865 | .003 | .006 | .2003071 | .0733138 | .0564450 | .3441691 |
| Gyrification\_lparsorbitalis | Equal variances assumed | .262 | .609 | 1.267 | 1026 | .103 | .205 | .1147368 | .0905564 | -.0629601 | .2924337 |
| Equal variances not assumed |  |  | 1.267 | 1025.443 | .103 | .205 | .1147368 | .0905598 | -.0629670 | .2924405 |
| Gyrification\_rparsorbitalis | Equal variances assumed | 6.051 | .014 | 1.935 | 1026 | .027 | .053 | .1670253 | .0863212 | -.0023609 | .3364115 |
| Equal variances not assumed |  |  | 1.934 | 1011.453 | .027 | .053 | .1670253 | .0863407 | -.0024021 | .3364527 |
| Gyrification\_lparstriangularis | Equal variances assumed | .001 | .969 | 3.808 | 1026 | <.001 | <.001 | .3077658 | .0808154 | .1491835 | .4663481 |
| Equal variances not assumed |  |  | 3.808 | 1025.375 | <.001 | <.001 | .3077658 | .0808186 | .1491770 | .4663546 |
| Gyrification\_rparstriangularis | Equal variances assumed | 4.060 | .044 | 3.064 | 1026 | .001 | .002 | .2284820 | .0745739 | .0821472 | .3748169 |
| Equal variances not assumed |  |  | 3.063 | 1016.017 | .001 | .002 | .2284820 | .0745878 | .0821183 | .3748457 |
| Gyrification\_lpericalcarine | Equal variances assumed | 1.010 | .315 | 3.016 | 1026 | .001 | .003 | .2462968 | .0816610 | .0860552 | .4065385 |
| Equal variances not assumed |  |  | 3.016 | 1025.677 | .001 | .003 | .2462968 | .0816576 | .0860619 | .4065318 |
| Gyrification\_rpericalcarine | Equal variances assumed | .230 | .632 | -.235 | 1026 | .407 | .814 | -.0188212 | .0800228 | -.1758482 | .1382057 |
| Equal variances not assumed |  |  | -.235 | 1025.996 | .407 | .814 | -.0188212 | .0800219 | -.1758464 | .1382039 |
| Gyrification\_lpostcentral | Equal variances assumed | .000 | .996 | -1.670 | 1026 | .048 | .095 | -.1028306 | .0615730 | -.2236541 | .0179929 |
| Equal variances not assumed |  |  | -1.670 | 1025.733 | .048 | .095 | -.1028306 | .0615745 | -.2236570 | .0179958 |
| Gyrification\_rpostcentral | Equal variances assumed | 1.170 | .280 | -2.488 | 1026 | .007 | .013 | -.1575436 | .0633203 | -.2817957 | -.0332916 |
| Equal variances not assumed |  |  | -2.488 | 1025.707 | .006 | .013 | -.1575436 | .0633177 | -.2817907 | -.0332965 |
| Gyrification\_lposteriorcingulate | Equal variances assumed | 2.778 | .096 | -1.652 | 1026 | .049 | .099 | -.1583022 | .0958204 | -.3463285 | .0297241 |
| Equal variances not assumed |  |  | -1.652 | 1017.771 | .049 | .099 | -.1583022 | .0958364 | -.3463618 | .0297574 |
| Gyrification\_rposteriorcingulate | Equal variances assumed | 1.539 | .215 | -.902 | 1026 | .184 | .367 | -.0749570 | .0831280 | -.2380772 | .0881632 |
| Equal variances not assumed |  |  | -.902 | 1019.332 | .184 | .367 | -.0749570 | .0831404 | -.2381030 | .0881890 |
| Gyrification\_lprecentral | Equal variances assumed | .001 | .972 | 1.515 | 1026 | .065 | .130 | .0800969 | .0528716 | -.0236519 | .1838456 |
| Equal variances not assumed |  |  | 1.515 | 1025.288 | .065 | .130 | .0800969 | .0528739 | -.0236565 | .1838503 |
| Gyrification\_rprecentral | Equal variances assumed | .440 | .507 | -.057 | 1026 | .477 | .955 | -.0032170 | .0565986 | -.1142792 | .1078451 |
| Equal variances not assumed |  |  | -.057 | 1025.990 | .477 | .955 | -.0032170 | .0565985 | -.1142790 | .1078450 |
| Gyrification\_lprecuneus | Equal variances assumed | .144 | .705 | .450 | 1026 | .326 | .652 | .0258528 | .0573870 | -.0867565 | .1384620 |
| Equal variances not assumed |  |  | .451 | 1025.993 | .326 | .652 | .0258528 | .0573868 | -.0867562 | .1384617 |
| Gyrification\_rprecuneus | Equal variances assumed | .131 | .717 | -.163 | 1026 | .435 | .871 | -.0091242 | .0560321 | -.1190747 | .1008264 |
| Equal variances not assumed |  |  | -.163 | 1025.609 | .435 | .871 | -.0091242 | .0560295 | -.1190697 | .1008214 |
| Gyrification\_lrostralanteriorcingulate | Equal variances assumed | .176 | .675 | .850 | 1026 | .198 | .396 | .0789381 | .0929042 | -.1033658 | .2612420 |
| Equal variances not assumed |  |  | .850 | 1024.926 | .198 | .396 | .0789381 | .0928976 | -.1033531 | .2612293 |
| Gyrification\_rrostralanteriorcingulate | Equal variances assumed | .598 | .439 | 3.177 | 1026 | <.001 | .002 | .3004848 | .0945847 | .1148833 | .4860863 |
| Equal variances not assumed |  |  | 3.177 | 1025.472 | <.001 | .002 | .3004848 | .0945881 | .1148764 | .4860932 |
| Gyrification\_lrostralmiddlefrontal | Equal variances assumed | 3.583 | .059 | 1.627 | 1026 | .052 | .104 | .0885779 | .0544544 | -.0182767 | .1954325 |
| Equal variances not assumed |  |  | 1.627 | 1021.123 | .052 | .104 | .0885779 | .0544466 | -.0182622 | .1954179 |
| Gyrification\_rrostralmiddlefrontal | Equal variances assumed | .267 | .605 | 1.205 | 1026 | .114 | .228 | .0667118 | .0553534 | -.0419071 | .1753307 |
| Equal variances not assumed |  |  | 1.205 | 1025.115 | .114 | .228 | .0667118 | .0553562 | -.0419126 | .1753362 |
| Gyrification\_lsuperiorfrontal | Equal variances assumed | .690 | .406 | -.394 | 1026 | .347 | .694 | -.0191908 | .0486906 | -.1147353 | .0763536 |
| Equal variances not assumed |  |  | -.394 | 1025.995 | .347 | .694 | -.0191908 | .0486904 | -.1147349 | .0763533 |
| Gyrification\_rsuperiorfrontal | Equal variances assumed | 3.483 | .062 | -1.815 | 1026 | .035 | .070 | -.0884271 | .0487215 | -.1840322 | .0071780 |
| Equal variances not assumed |  |  | -1.815 | 1013.802 | .035 | .070 | -.0884271 | .0487315 | -.1840533 | .0071991 |
| Gyrification\_lsuperiorparietal | Equal variances assumed | .144 | .704 | .317 | 1026 | .375 | .751 | .0191797 | .0604128 | -.0993670 | .1377264 |
| Equal variances not assumed |  |  | .317 | 1025.993 | .375 | .751 | .0191797 | .0604126 | -.0993667 | .1377261 |
| Gyrification\_rsuperiorparietal | Equal variances assumed | .329 | .566 | .681 | 1026 | .248 | .496 | .0405938 | .0595942 | -.0763465 | .1575342 |
| Equal variances not assumed |  |  | .681 | 1025.588 | .248 | .496 | .0405938 | .0595960 | -.0763503 | .1575379 |
| Gyrification\_lsuperiortemporal | Equal variances assumed | 2.220 | .137 | .966 | 1026 | .167 | .334 | .0620400 | .0641947 | -.0639280 | .1880079 |
| Equal variances not assumed |  |  | .966 | 1021.101 | .167 | .334 | .0620400 | .0642029 | -.0639447 | .1880247 |
| Gyrification\_rsuperiortemporal | Equal variances assumed | .157 | .692 | 1.296 | 1026 | .098 | .195 | .0861276 | .0664333 | -.0442331 | .2164884 |
| Equal variances not assumed |  |  | 1.296 | 1025.802 | .098 | .195 | .0861276 | .0664346 | -.0442357 | .2164909 |
| Gyrification\_lsupramarginal | Equal variances assumed | .006 | .937 | 1.594 | 1026 | .056 | .111 | .0867742 | .0544227 | -.0200183 | .1935667 |
| Equal variances not assumed |  |  | 1.594 | 1025.635 | .056 | .111 | .0867742 | .0544243 | -.0200215 | .1935699 |
| Gyrification\_rsupramarginal | Equal variances assumed | 1.947 | .163 | 1.369 | 1026 | .086 | .171 | .0816702 | .0596531 | -.0353857 | .1987262 |
| Equal variances not assumed |  |  | 1.369 | 1020.064 | .086 | .171 | .0816702 | .0596615 | -.0354030 | .1987435 |
| Gyrification\_lfrontalpole | Equal variances assumed | 2.984 | .084 | 1.377 | 1026 | .084 | .169 | .1727413 | .1254554 | -.0734373 | .4189198 |
| Equal variances not assumed |  |  | 1.377 | 1021.276 | .084 | .169 | .1727413 | .1254711 | -.0734693 | .4189519 |
| Gyrification\_rfrontalpole | Equal variances assumed | 3.441 | .064 | .883 | 1026 | .189 | .377 | .1084759 | .1228506 | -.1325912 | .3495430 |
| Equal variances not assumed |  |  | .883 | 1017.591 | .189 | .378 | .1084759 | .1228714 | -.1326344 | .3495863 |
| Gyrification\_ltemporalpole | Equal variances assumed | .005 | .944 | -.794 | 1026 | .214 | .428 | -.0870770 | .1097326 | -.3024030 | .1282490 |
| Equal variances not assumed |  |  | -.794 | 1025.991 | .214 | .428 | -.0870770 | .1097324 | -.3024026 | .1282486 |
| Gyrification\_rtemporalpole | Equal variances assumed | 1.868 | .172 | -.170 | 1026 | .432 | .865 | -.0195231 | .1147906 | -.2447743 | .2057282 |
| Equal variances not assumed |  |  | -.170 | 1022.997 | .432 | .865 | -.0195231 | .1147777 | -.2447496 | .2057035 |
| Gyrification\_ltransversetemporal | Equal variances assumed | .207 | .649 | -1.256 | 1026 | .105 | .209 | -.1818781 | .1448023 | -.4660206 | .1022645 |
| Equal variances not assumed |  |  | -1.256 | 1025.696 | .105 | .209 | -.1818781 | .1448061 | -.4660280 | .1022719 |
| Gyrification\_rtransversetemporal | Equal variances assumed | .334 | .564 | -.200 | 1026 | .421 | .841 | -.0323091 | .1612692 | -.3487643 | .2841461 |
| Equal variances not assumed |  |  | -.200 | 1023.294 | .421 | .841 | -.0323091 | .1612842 | -.3487946 | .2841764 |
| Gyrification\_linsula | Equal variances assumed | 3.900 | .049 | -1.286 | 1026 | .099 | .199 | -.0898763 | .0698814 | -.2270031 | .0472506 |
| Equal variances not assumed |  |  | -1.286 | 1017.590 | .099 | .199 | -.0898763 | .0698933 | -.2270277 | .0472751 |
| Gyrification\_rinsula | Equal variances assumed | .114 | .736 | -2.283 | 1026 | .011 | .023 | -.1737030 | .0760891 | -.3230110 | -.0243950 |
| Equal variances not assumed |  |  | -2.283 | 1024.428 | .011 | .023 | -.1737030 | .0760827 | -.3229987 | -.0244072 |