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| **Independent Samples Test** | | | | | | | | | | |
|  | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
| F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Gait\_fast\_pc1 | Equal variances assumed | .283 | .599 | -2.020 | 27 | .053 | -69.351090326607160 | 34.330781740771904 | -139.792035956940880 | 1.089855303726537 |
| Equal variances not assumed |  |  | -2.034 | 26.386 | .052 | -69.351090326607160 | 34.098822097999450 | -139.392367403412070 | .690186750197739 |
| Gait\_fast\_pc2 | Equal variances assumed | .001 | .978 | 2.296 | 27 | .030 | 65.140813314279570 | 28.369476100062414 | 6.931456515618571 | 123.350170112940560 |
| Equal variances not assumed |  |  | 2.294 | 25.705 | .030 | 65.140813314279570 | 28.395548014460870 | 6.740360236352586 | 123.541266392206550 |
| Gait\_fast\_pc3 | Equal variances assumed | .703 | .409 | 2.141 | 27 | .041 | 47.075864155903320 | 21.991532250144317 | 1.952967180900863 | 92.198761130905780 |
| Equal variances not assumed |  |  | 2.192 | 26.999 | .037 | 47.075864155903320 | 21.480704062715080 | 3.000987335849843 | 91.150740975956800 |
| Gait\_fast\_pc4 | Equal variances assumed | .014 | .908 | -.702 | 27 | .489 | -12.776104425308011 | 18.207036651987240 | -50.133857842527156 | 24.581648991911130 |
| Equal variances not assumed |  |  | -.693 | 24.419 | .495 | -12.776104425308011 | 18.425142721234376 | -50.769203306041060 | 25.216994455425030 |
| Gait\_fast\_pc5 | Equal variances assumed | .021 | .886 | -.498 | 27 | .622 | -6.276740474532303 | 12.602440764444504 | -32.134813017152370 | 19.581332068087764 |
| Equal variances not assumed |  |  | -.495 | 25.031 | .625 | -6.276740474532303 | 12.691037770373265 | -32.412767051094704 | 19.859286102030094 |
| Gait\_normal\_pc1 | Equal variances assumed | .077 | .783 | -1.909 | 27 | .067 | -65.388843091733450 | 34.247679054563505 | -135.659276094503300 | 4.881589911036386 |
| Equal variances not assumed |  |  | -1.921 | 26.319 | .066 | -65.388843091733450 | 34.046477033837960 | -135.331162150236280 | 4.553475966769383 |
| Gait\_normal\_pc2 | Equal variances assumed | .115 | .737 | 2.465 | 27 | .020 | 70.802396527787880 | 28.724687924886485 | 11.864205267138267 | 129.740587788437500 |
| Equal variances not assumed |  |  | 2.461 | 25.642 | .021 | 70.802396527787880 | 28.768747688950970 | 11.627223673204370 | 129.977569382371370 |
| Gait\_normal\_pc3 | Equal variances assumed | .041 | .841 | 2.277 | 27 | .031 | 52.984201415730894 | 23.270735822073878 | 5.236595515053018 | 100.731807316408780 |
| Equal variances not assumed |  |  | 2.293 | 26.409 | .030 | 52.984201415730894 | 23.106304046627432 | 5.524265952591478 | 100.444136878870310 |
| Gait\_normal\_pc4 | Equal variances assumed | .462 | .502 | -1.029 | 27 | .313 | -19.878024778209085 | 19.322738530327920 | -59.525009356701815 | 19.768959800283643 |
| Equal variances not assumed |  |  | -.993 | 21.019 | .332 | -19.878024778209085 | 20.019916238216982 | -61.509373349414060 | 21.753323792995890 |
| Gait\_normal\_pc5 | Equal variances assumed | 1.775 | .194 | .512 | 27 | .613 | 5.888019465850300 | 11.504262511133994 | -17.716777424092450 | 29.492816355793053 |
| Equal variances not assumed |  |  | .495 | 21.223 | .626 | 5.888019465850300 | 11.903290685333548 | -18.850412519851815 | 30.626451451552420 |
| Gait\_slow\_pc1 | Equal variances assumed | .035 | .854 | -1.926 | 27 | .065 | -68.822312545873070 | 35.740837348295120 | -142.156453301656820 | 4.511828209910661 |
| Equal variances not assumed |  |  | -1.914 | 25.158 | .067 | -68.822312545873070 | 35.953495319197990 | -142.846407962243770 | 5.201782870497624 |
| Gait\_slow\_pc2 | Equal variances assumed | .135 | .716 | 2.610 | 27 | .015 | 79.203599523993320 | 30.348648189809808 | 16.933317034222917 | 141.473882013763730 |
| Equal variances not assumed |  |  | 2.604 | 25.589 | .015 | 79.203599523993320 | 30.410780378119664 | 16.644424259346223 | 141.762774788640400 |
| Gait\_slow\_pc3 | Equal variances assumed | .014 | .907 | 2.579 | 27 | .016 | 62.273365058797590 | 24.143230458307187 | 12.735548038030998 | 111.811182079564180 |
| Equal variances not assumed |  |  | 2.586 | 26.034 | .016 | 62.273365058797590 | 24.082975550789330 | 12.773225058094760 | 111.773505059500420 |
| Gait\_slow\_pc4 | Equal variances assumed | 1.527 | .227 | -1.363 | 27 | .184 | -28.215587521220574 | 20.699504515097516 | -70.687462561315330 | 14.256287518874185 |
| Equal variances not assumed |  |  | -1.298 | 19.039 | .210 | -28.215587521220574 | 21.732950966009990 | -73.696893957586180 | 17.265718915145033 |
| Gait\_slow\_pc5 | Equal variances assumed | .854 | .364 | .662 | 27 | .514 | 8.084663987021290 | 12.220907507042535 | -16.990566975009360 | 33.159894949051946 |
| Equal variances not assumed |  |  | .642 | 21.881 | .527 | 8.084663987021290 | 12.589659126999313 | -18.032951466556028 | 34.202279440598610 |
| Stair Ascent\_pc1 | Equal variances assumed | .707 | .408 | -1.714 | 27 | .098 | -59.612362044142700 | 34.783390694778916 | -130.981984538340130 | 11.757260450054730 |
| Equal variances not assumed |  |  | -1.678 | 23.146 | .107 | -59.612362044142700 | 35.526960208454240 | -133.079890013428350 | 13.855165925142956 |
| Stair Ascent\_pc2 | Equal variances assumed | 2.369 | .135 | -2.036 | 27 | .052 | -61.542769934880170 | 30.232419649303900 | -123.574571158354600 | .489031288594262 |
| Equal variances not assumed |  |  | -1.912 | 17.040 | .073 | -61.542769934880170 | 32.195887259218760 | -129.458002342301540 | 6.372462472541201 |
| Stair Ascent\_pc3 | Equal variances assumed | .350 | .559 | -.541 | 27 | .593 | -16.762561912170735 | 30.961103128684393 | -80.289498135492960 | 46.764374311151500 |
| Equal variances not assumed |  |  | -.544 | 26.247 | .591 | -16.762561912170735 | 30.806986530311730 | -80.058220316308540 | 46.533096491967070 |
| Stair Ascent\_pc4 | Equal variances assumed | .066 | .800 | 2.126 | 27 | .043 | 51.782746570167530 | 24.353022976560986 | 1.814470858318593 | 101.751022282016460 |
| Equal variances not assumed |  |  | 2.113 | 25.127 | .045 | 51.782746570167530 | 24.504400280660573 | 1.327895860958684 | 102.237597279376390 |
| Stair Ascent\_pc5 | Equal variances assumed | .086 | .771 | -.277 | 27 | .784 | -6.078868591785385 | 21.967594287438235 | -51.152648924405140 | 38.994911740834370 |
| Equal variances not assumed |  |  | -.277 | 26.024 | .784 | -6.078868591785385 | 21.915248909037594 | -51.124324558756676 | 38.966587375185900 |
| Stair Descent\_pc1 | Equal variances assumed | .070 | .794 | 4.230 | 27 | .000 | 128.830686160119200 | 30.459219625170025 | 66.333529825025690 | 191.327842495212700 |
| Equal variances not assumed |  |  | 4.252 | 26.274 | .000 | 128.830686160119200 | 30.297451127334830 | 66.584986069790200 | 191.076386250448200 |
| Stair Descent\_pc2 | Equal variances assumed | .039 | .846 | .461 | 27 | .649 | 16.140074437905255 | 35.032735558913720 | -55.741161457651560 | 88.021310333462070 |
| Equal variances not assumed |  |  | .458 | 25.053 | .651 | 16.140074437905255 | 35.272520807981490 | -56.497226511212120 | 88.777375387022630 |
| Stair Descent\_pc3 | Equal variances assumed | .030 | .864 | 1.523 | 27 | .139 | 47.756733326211474 | 31.353805033110987 | -16.575960648493094 | 112.089427300916040 |
| Equal variances not assumed |  |  | 1.525 | 25.885 | .140 | 47.756733326211474 | 31.325531400462108 | -16.647709160020070 | 112.161175812443020 |
| Stair Descent\_pc4 | Equal variances assumed | 5.366 | .028 | .437 | 27 | .666 | 10.638223418521976 | 24.370790333759732 | -39.366507899024555 | 60.642954736068500 |
| Equal variances not assumed |  |  | .413 | 18.037 | .685 | 10.638223418521976 | 25.766579637403020 | -43.487427580627240 | 64.763874417671190 |
| Stair Descent\_pc5 | Equal variances assumed | .092 | .764 | -.521 | 27 | .607 | -10.563788038056646 | 20.279359389885414 | -52.173596488890865 | 31.046020412777570 |
| Equal variances not assumed |  |  | -.506 | 21.897 | .618 | -10.563788038056646 | 20.888943310788544 | -53.896587256178720 | 32.769011180065420 |
| STS\_pc1 | Equal variances assumed | .520 | .477 | -1.485 | 27 | .149 | -83.251043263098980 | 56.078052741647680 | -198.313703183192400 | 31.811616656994430 |
| Equal variances not assumed |  |  | -1.381 | 15.814 | .187 | -83.251043263098980 | 60.286584807054570 | -211.175286852994700 | 44.673200326796730 |
| STS\_pc2 | Equal variances assumed | .013 | .911 | .489 | 27 | .629 | 23.149607273409900 | 47.360421193831066 | -74.025950205443700 | 120.325164752263500 |
| Equal variances not assumed |  |  | .484 | 24.659 | .633 | 23.149607273409900 | 47.838291205743830 | -75.444356860398740 | 121.743571407218540 |
| STS\_pc3 | Equal variances assumed | 1.076 | .309 | 1.228 | 27 | .230 | 45.620027387066170 | 37.155614728381620 | -30.616996771204810 | 121.857051545337160 |
| Equal variances not assumed |  |  | 1.252 | 26.971 | .221 | 45.620027387066170 | 36.443788679283955 | -29.160234224791140 | 120.400288998923490 |
| STS\_pc4 | Equal variances assumed | .601 | .445 | -2.509 | 27 | .018 | -57.969990402300496 | 23.106316590374690 | -105.380235905881760 | -10.559744898719224 |
| Equal variances not assumed |  |  | -2.465 | 23.662 | .021 | -57.969990402300496 | 23.514595923327370 | -106.538471621033220 | -9.401509183567768 |