**Frequencies**

|  |  |  |
| --- | --- | --- |
| *Statistics* | | |
| Variants | | |
| N | Valid | 388 |
| Missing | 0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Variants* | | | | | |
|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| Valid | 1 \_ 0 | 1 | .3 | .3 | .3 |
| 0 0 2 | 1 | .3 | .3 | .5 |
| 0 \_ 0 | 1 | .3 | .3 | .8 |
| 2 0 0 | 2 | .5 | .5 | 1.3 |
| 0 \_ 1 | 3 | .8 | .8 | 2.1 |
| \_ \_ 2 | 8 | 2.1 | 2.1 | 4.1 |
| 1 0 1 | 10 | 2.6 | 2.6 | 6.7 |
| 2 2 0 | 14 | 3.6 | 3.6 | 10.3 |
| 1 1 1 | 19 | 4.9 | 4.9 | 15.2 |
| 2 1 0 | 21 | 5.4 | 5.4 | 20.6 |
| \_ \_ 0 | 31 | 8.0 | 8.0 | 28.6 |
| \_ \_ 1 | 41 | 10.6 | 10.6 | 39.2 |
| 1 0 0 | 44 | 11.3 | 11.3 | 50.5 |
| 1 1 0 | 46 | 11.9 | 11.9 | 62.4 |
| 0 0 1 | 51 | 13.1 | 13.1 | 75.5 |
| 0 0 0 | 95 | 24.5 | 24.5 | 100.0 |
| Total | 388 | 100.0 | 100.0 |  |

**General Linear Model**

|  |  |  |  |
| --- | --- | --- | --- |
| *Between-Subjects Factors* | | | |
|  | | Value Label | N |
| Variants | 7 | 1 0 1 | 10 |
| 8 | 2 2 0 | 14 |
| 9 | 1 1 1 | 19 |
| 10 | 2 1 0 | 21 |
| 11 | \_ \_ 0 | 31 |
| 12 | \_ \_ 1 | 41 |
| 13 | 1 0 0 | 44 |
| 14 | 1 1 0 | 46 |
| 15 | 0 0 1 | 51 |
| 16 | 0 0 0 | 95 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Descriptive Statistics* | | | | |
|  | Variants | Mean | Std. Deviation | N |
| BW-dir | 1 0 1 | .6534 | .99017 | 10 |
| 2 2 0 | -.0241 | 1.40900 | 14 |
| 1 1 1 | -.1154 | 1.25793 | 19 |
| 2 1 0 | .5511 | 1.15874 | 21 |
| \_ \_ 0 | -.1620 | 1.13373 | 31 |
| \_ \_ 1 | .4293 | 1.58975 | 41 |
| 1 0 0 | .0216 | 1.07092 | 44 |
| 1 1 0 | -.0415 | 1.27087 | 46 |
| 0 0 1 | .9653 | 1.37353 | 51 |
| 0 0 0 | -.0640 | 1.45820 | 95 |
| Total | .1891 | 1.37341 | 372 |
| Wean dir | 1 0 1 | 11.3510 | 3.19216 | 10 |
| 2 2 0 | 8.2368 | 5.28867 | 14 |
| 1 1 1 | 8.5030 | 6.32376 | 19 |
| 2 1 0 | 8.9449 | 4.15207 | 21 |
| \_ \_ 0 | 10.7215 | 3.80741 | 31 |
| \_ \_ 1 | 14.5328 | 7.07341 | 41 |
| 1 0 0 | 8.6795 | 4.95137 | 44 |
| 1 1 0 | 7.9595 | 5.73898 | 46 |
| 0 0 1 | 13.1977 | 5.13392 | 51 |
| 0 0 0 | 9.0233 | 5.09824 | 95 |
| Total | 10.1741 | 5.71302 | 372 |
| Mature wt | 1 0 1 | 15.6503 | 7.61102 | 10 |
| 2 2 0 | 9.7655 | 9.54779 | 14 |
| 1 1 1 | 14.9239 | 13.21018 | 19 |
| 2 1 0 | 10.4391 | 11.18019 | 21 |
| \_ \_ 0 | 12.9263 | 10.55879 | 31 |
| \_ \_ 1 | 18.9087 | 12.88797 | 41 |
| 1 0 0 | 12.6875 | 10.22036 | 44 |
| 1 1 0 | 9.7723 | 10.10133 | 46 |
| 0 0 1 | 19.6737 | 10.94112 | 51 |
| 0 0 0 | 12.2171 | 10.60998 | 95 |
| Total | 13.8272 | 11.30340 | 372 |
| ADG | 1 0 1 | 82.2127 | 37.14730 | 10 |
| 2 2 0 | 57.5536 | 38.42858 | 14 |
| 1 1 1 | 51.6866 | 55.45272 | 19 |
| 2 1 0 | 53.4288 | 44.85219 | 21 |
| \_ \_ 0 | 77.9130 | 53.88509 | 31 |
| \_ \_ 1 | 108.6837 | 53.56672 | 41 |
| 1 0 0 | 66.2499 | 39.75210 | 44 |
| 1 1 0 | 53.0711 | 49.76710 | 46 |
| 0 0 1 | 82.6906 | 61.66831 | 51 |
| 0 0 0 | 63.8671 | 49.65903 | 95 |
| Total | 70.5487 | 52.81854 | 372 |
| FCR | 1 0 1 | -49.2187 | 16.47632 | 10 |
| 2 2 0 | -38.9317 | 18.85570 | 14 |
| 1 1 1 | -33.8609 | 26.15553 | 19 |
| 2 1 0 | -40.6396 | 21.79510 | 21 |
| \_ \_ 0 | -45.2615 | 30.62858 | 31 |
| \_ \_ 1 | -57.6713 | 25.80749 | 41 |
| 1 0 0 | -40.6350 | 17.76392 | 44 |
| 1 1 0 | -36.4228 | 22.14689 | 46 |
| 0 0 1 | -47.4923 | 28.42300 | 51 |
| 0 0 0 | -42.1055 | 23.60592 | 95 |
| Total | -43.5139 | 24.71552 | 372 |
| Fat | 1 0 1 | .1328 | 1.18791 | 10 |
| 2 2 0 | -.0496 | .54077 | 14 |
| 1 1 1 | .0935 | .89493 | 19 |
| 2 1 0 | -.0059 | .79452 | 21 |
| \_ \_ 0 | -.3569 | 1.70381 | 31 |
| \_ \_ 1 | .0493 | 2.04519 | 41 |
| 1 0 0 | .1718 | .94842 | 44 |
| 1 1 0 | .0529 | .91003 | 46 |
| 0 0 1 | .1342 | 1.23517 | 51 |
| 0 0 0 | .0703 | 1.19291 | 95 |
| Total | .0451 | 1.26152 | 372 |
| EMA | 1 0 1 | .8978 | 1.83425 | 10 |
| 2 2 0 | .8310 | .91294 | 14 |
| 1 1 1 | .8903 | 1.25878 | 19 |
| 2 1 0 | .2932 | 1.43394 | 21 |
| \_ \_ 0 | 1.1529 | 1.04893 | 31 |
| \_ \_ 1 | 2.1713 | 1.49809 | 41 |
| 1 0 0 | .7539 | 1.08692 | 44 |
| 1 1 0 | .7636 | 1.19206 | 46 |
| 0 0 1 | 1.6132 | 1.71617 | 51 |
| 0 0 0 | .7874 | 1.29561 | 95 |
| Total | 1.0587 | 1.42083 | 372 |
| Marb | 1 0 1 | .0373 | 1.23947 | 10 |
| 2 2 0 | .2040 | .41747 | 14 |
| 1 1 1 | .3749 | .69663 | 19 |
| 2 1 0 | .1708 | .50398 | 21 |
| \_ \_ 0 | -.0771 | 1.00600 | 31 |
| \_ \_ 1 | -.2518 | 1.04650 | 41 |
| 1 0 0 | .1268 | .60479 | 44 |
| 1 1 0 | .2507 | .70351 | 46 |
| 0 0 1 | .1285 | .88169 | 51 |
| 0 0 0 | .4031 | .60784 | 95 |
| Total | .1698 | .78990 | 372 |
| afc\_ebv | 1 0 1 | -3.4362 | 7.56414 | 10 |
| 2 2 0 | .7749 | 7.36152 | 14 |
| 1 1 1 | -2.8845 | 8.19516 | 19 |
| 2 1 0 | -2.1500 | 6.64405 | 21 |
| \_ \_ 0 | -4.2318 | 8.75688 | 31 |
| \_ \_ 1 | -.5543 | 9.14442 | 41 |
| 1 0 0 | -2.0220 | 7.06823 | 44 |
| 1 1 0 | -2.7173 | 8.46528 | 46 |
| 0 0 1 | 1.1344 | 7.24909 | 51 |
| 0 0 0 | -1.9176 | 9.04122 | 95 |
| Total | -1.6550 | 8.29150 | 372 |
| icp\_ebv | 1 0 1 | -2.8289 | 1.97138 | 10 |
| 2 2 0 | -1.8590 | 2.34318 | 14 |
| 1 1 1 | -2.7059 | 2.11312 | 19 |
| 2 1 0 | -2.0015 | 2.15302 | 21 |
| \_ \_ 0 | -1.8106 | 2.32280 | 31 |
| \_ \_ 1 | -1.6160 | 2.42977 | 41 |
| 1 0 0 | -1.7672 | 2.00343 | 44 |
| 1 1 0 | -1.7383 | 1.98890 | 46 |
| 0 0 1 | -2.0053 | 1.93269 | 51 |
| 0 0 0 | -1.8888 | 2.40061 | 95 |
| Total | -1.9074 | 2.19275 | 372 |
| skr\_ebv | 1 0 1 | 12.0529 | 7.64014 | 10 |
| 2 2 0 | 12.5977 | 7.80222 | 14 |
| 1 1 1 | 6.4164 | 6.65618 | 19 |
| 2 1 0 | 11.5469 | 7.62841 | 21 |
| \_ \_ 0 | 12.1054 | 7.75981 | 31 |
| \_ \_ 1 | 14.7182 | 7.08160 | 41 |
| 1 0 0 | 13.1836 | 6.18615 | 44 |
| 1 1 0 | 11.7440 | 7.35012 | 46 |
| 0 0 1 | 12.2424 | 7.51287 | 51 |
| 0 0 0 | 12.5006 | 7.10167 | 95 |
| Total | 12.2909 | 7.28603 | 372 |
| Longevity | 1 0 1 | 22.2332 | 4.00354 | 10 |
| 2 2 0 | 23.3744 | 4.72165 | 14 |
| 1 1 1 | 23.4174 | 5.09448 | 19 |
| 2 1 0 | 23.0738 | 4.38803 | 21 |
| \_ \_ 0 | 26.3525 | 4.15741 | 31 |
| \_ \_ 1 | 24.7013 | 3.92581 | 41 |
| 1 0 0 | 24.7773 | 5.30084 | 44 |
| 1 1 0 | 25.2002 | 5.05273 | 46 |
| 0 0 1 | 25.4910 | 4.25929 | 51 |
| 0 0 0 | 24.8804 | 4.63755 | 95 |
| Total | 24.7898 | 4.64591 | 372 |

|  |  |
| --- | --- |
| *Box's Test of Equality of Covariance Matricesa* | |
| Box's M | 1279.941 |
| F | 1.675 |
| df1 | 624 |
| df2 | 29832.554 |
| Sig. | .000 |

|  |
| --- |
| Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.a |
| a. Design: Intercept + Variants |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Multivariate Testsa* | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| Intercept | Pillai's Trace | .955 | 620.040b | 12.000 | 351.000 | .000 | .955 |
| Wilks' Lambda | .045 | 620.040b | 12.000 | 351.000 | .000 | .955 |
| Hotelling's Trace | 21.198 | 620.040b | 12.000 | 351.000 | .000 | .955 |
| Roy's Largest Root | 21.198 | 620.040b | 12.000 | 351.000 | .000 | .955 |
| Variants | Pillai's Trace | .564 | 2.000 | 108.000 | 3231.000 | .000 | .063 |
| Wilks' Lambda | .539 | 2.104 | 108.000 | 2567.840 | .000 | .066 |
| Hotelling's Trace | .681 | 2.201 | 108.000 | 3143.000 | .000 | .070 |
| Roy's Largest Root | .355 | 10.606c | 12.000 | 359.000 | .000 | .262 |

|  |
| --- |
| a. Design: Intercept + Variants |
| b. Exact statistic |
| c. The statistic is an upper bound on F that yields a lower bound on the significance level. |

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| --- | --- | --- | --- | --- | --- |
| *Levene's Test of Equality of Error Variancesa* | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| BW-dir | Based on Mean | 1.204 | 9 | 362 | .291 |
| Based on Median | 1.086 | 9 | 362 | .372 |
| Based on Median and with adjusted df | 1.086 | 9 | 331.717 | .372 |
| Based on trimmed mean | 1.179 | 9 | 362 | .307 |
| Wean dir | Based on Mean | 2.029 | 9 | 362 | .035 |
| Based on Median | 1.986 | 9 | 362 | .040 |
| Based on Median and with adjusted df | 1.986 | 9 | 326.673 | .040 |
| Based on trimmed mean | 2.026 | 9 | 362 | .036 |
| Mature wt | Based on Mean | 1.371 | 9 | 362 | .199 |
| Based on Median | 1.280 | 9 | 362 | .246 |
| Based on Median and with adjusted df | 1.280 | 9 | 346.306 | .246 |
| Based on trimmed mean | 1.387 | 9 | 362 | .192 |
| ADG | Based on Mean | 2.110 | 9 | 362 | .028 |
| Based on Median | 1.748 | 9 | 362 | .077 |
| Based on Median and with adjusted df | 1.748 | 9 | 341.022 | .077 |
| Based on trimmed mean | 2.093 | 9 | 362 | .029 |
| FCR | Based on Mean | 2.652 | 9 | 362 | .005 |
| Based on Median | 2.392 | 9 | 362 | .012 |
| Based on Median and with adjusted df | 2.392 | 9 | 333.782 | .012 |
| Based on trimmed mean | 2.606 | 9 | 362 | .006 |
| Fat | Based on Mean | 9.786 | 9 | 362 | .000 |
| Based on Median | 7.752 | 9 | 362 | .000 |
| Based on Median and with adjusted df | 7.752 | 9 | 291.391 | .000 |
| Based on trimmed mean | 9.686 | 9 | 362 | .000 |
| EMA | Based on Mean | 2.002 | 9 | 362 | .038 |
| Based on Median | 1.864 | 9 | 362 | .056 |
| Based on Median and with adjusted df | 1.864 | 9 | 317.443 | .057 |
| Based on trimmed mean | 2.042 | 9 | 362 | .034 |
| Marb | Based on Mean | 3.692 | 9 | 362 | .000 |
| Based on Median | 3.119 | 9 | 362 | .001 |
| Based on Median and with adjusted df | 3.119 | 9 | 275.634 | .001 |
| Based on trimmed mean | 3.618 | 9 | 362 | .000 |
| afc\_ebv | Based on Mean | .934 | 9 | 362 | .495 |
| Based on Median | .883 | 9 | 362 | .541 |
| Based on Median and with adjusted df | .883 | 9 | 331.563 | .541 |
| Based on trimmed mean | .936 | 9 | 362 | .494 |
| icp\_ebv | Based on Mean | .594 | 9 | 362 | .802 |
| Based on Median | .542 | 9 | 362 | .844 |
| Based on Median and with adjusted df | .542 | 9 | 341.028 | .844 |
| Based on trimmed mean | .598 | 9 | 362 | .799 |
| skr\_ebv | Based on Mean | .375 | 9 | 362 | .947 |
| Based on Median | .384 | 9 | 362 | .943 |
| Based on Median and with adjusted df | .384 | 9 | 347.495 | .943 |
| Based on trimmed mean | .371 | 9 | 362 | .949 |
| Longevity | Based on Mean | .908 | 9 | 362 | .518 |
| Based on Median | .872 | 9 | 362 | .550 |
| Based on Median and with adjusted df | .872 | 9 | 344.097 | .550 |
| Based on trimmed mean | .935 | 9 | 362 | .495 |

|  |
| --- |
| Tests the null hypothesis that the error variance of the dependent variable is equal across groups.a |
| a. Design: Intercept + Variants |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Tests of Between-Subjects Effects* | | | | | | | |
| Source | Dependent Variable | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| Corrected Model | BW-dir | 53.983a | 9 | 5.998 | 3.362 | .001 | .077 |
| Wean dir | 1855.345b | 9 | 206.149 | 7.278 | .000 | .153 |
| Mature wt | 4414.973c | 9 | 490.553 | 4.131 | .000 | .093 |
| ADG | 104570.646d | 9 | 11618.961 | 4.520 | .000 | .101 |
| FCR | 14549.138e | 9 | 1616.571 | 2.759 | .004 | .064 |
| Fat | 6.487f | 9 | .721 | .447 | .909 | .011 |
| EMA | 95.627g | 9 | 10.625 | 5.887 | .000 | .128 |
| Marb | 15.808h | 9 | 1.756 | 2.948 | .002 | .068 |
| afc\_ebv | 864.956i | 9 | 96.106 | 1.412 | .181 | .034 |
| icp\_ebv | 27.301j | 9 | 3.033 | .625 | .776 | .015 |
| skr\_ebv | 964.952k | 9 | 107.217 | 2.072 | .031 | .049 |
| Longevity | 300.666l | 9 | 33.407 | 1.569 | .123 | .038 |
| Intercept | BW-dir | 12.162 | 1 | 12.162 | 6.817 | .009 | .018 |
| Wean dir | 25392.389 | 1 | 25392.389 | 896.473 | .000 | .712 |
| Mature wt | 46557.146 | 1 | 46557.146 | 392.069 | .000 | .520 |
| ADG | 1206932.114 | 1 | 1206932.114 | 469.571 | .000 | .565 |
| FCR | 463682.874 | 1 | 463682.874 | 791.466 | .000 | .686 |
| Fat | .212 | 1 | .212 | .132 | .717 | .000 |
| EMA | 255.915 | 1 | 255.915 | 141.797 | .000 | .281 |
| Marb | 4.639 | 1 | 4.639 | 7.786 | .006 | .021 |
| afc\_ebv | 804.504 | 1 | 804.504 | 11.819 | .001 | .032 |
| icp\_ebv | 1014.852 | 1 | 1014.852 | 209.149 | .000 | .366 |
| skr\_ebv | 35209.156 | 1 | 35209.156 | 680.496 | .000 | .653 |
| Longevity | 147155.232 | 1 | 147155.232 | 6911.776 | .000 | .950 |
| Variants | BW-dir | 53.983 | 9 | 5.998 | 3.362 | .001 | .077 |
| Wean dir | 1855.345 | 9 | 206.149 | 7.278 | .000 | .153 |
| Mature wt | 4414.973 | 9 | 490.553 | 4.131 | .000 | .093 |
| ADG | 104570.646 | 9 | 11618.961 | 4.520 | .000 | .101 |
| FCR | 14549.138 | 9 | 1616.571 | 2.759 | .004 | .064 |
| Fat | 6.487 | 9 | .721 | .447 | .909 | .011 |
| EMA | 95.627 | 9 | 10.625 | 5.887 | .000 | .128 |
| Marb | 15.808 | 9 | 1.756 | 2.948 | .002 | .068 |
| afc\_ebv | 864.956 | 9 | 96.106 | 1.412 | .181 | .034 |
| icp\_ebv | 27.301 | 9 | 3.033 | .625 | .776 | .015 |
| skr\_ebv | 964.952 | 9 | 107.217 | 2.072 | .031 | .049 |
| Longevity | 300.666 | 9 | 33.407 | 1.569 | .123 | .038 |
| Error | BW-dir | 645.822 | 362 | 1.784 |  |  |  |
| Wean dir | 10253.568 | 362 | 28.325 |  |  |  |
| Mature wt | 42986.555 | 362 | 118.747 |  |  |  |
| ADG | 930444.483 | 362 | 2570.289 |  |  |  |
| FCR | 212078.750 | 362 | 585.853 |  |  |  |
| Fat | 583.938 | 362 | 1.613 |  |  |  |
| EMA | 653.334 | 362 | 1.805 |  |  |  |
| Marb | 215.674 | 362 | .596 |  |  |  |
| afc\_ebv | 24640.901 | 362 | 68.069 |  |  |  |
| icp\_ebv | 1756.528 | 362 | 4.852 |  |  |  |
| skr\_ebv | 18730.024 | 362 | 51.740 |  |  |  |
| Longevity | 7707.165 | 362 | 21.291 |  |  |  |
| Total | BW-dir | 713.108 | 372 |  |  |  |  |
| Wean dir | 50615.481 | 372 |  |  |  |  |
| Mature wt | 118524.748 | 372 |  |  |  |  |
| ADG | 2886504.468 | 372 |  |  |  |  |
| FCR | 930994.707 | 372 |  |  |  |  |
| Fat | 591.179 | 372 |  |  |  |  |
| EMA | 1165.883 | 372 |  |  |  |  |
| Marb | 242.214 | 372 |  |  |  |  |
| afc\_ebv | 26524.788 | 372 |  |  |  |  |
| icp\_ebv | 3137.287 | 372 |  |  |  |  |
| skr\_ebv | 75891.962 | 372 |  |  |  |  |
| Longevity | 236615.420 | 372 |  |  |  |  |
| Corrected Total | BW-dir | 699.805 | 371 |  |  |  |  |
| Wean dir | 12108.914 | 371 |  |  |  |  |
| Mature wt | 47401.527 | 371 |  |  |  |  |
| ADG | 1035015.129 | 371 |  |  |  |  |
| FCR | 226627.889 | 371 |  |  |  |  |
| Fat | 590.424 | 371 |  |  |  |  |
| EMA | 748.961 | 371 |  |  |  |  |
| Marb | 231.482 | 371 |  |  |  |  |
| afc\_ebv | 25505.858 | 371 |  |  |  |  |
| icp\_ebv | 1783.830 | 371 |  |  |  |  |
| skr\_ebv | 19694.976 | 371 |  |  |  |  |
| Longevity | 8007.831 | 371 |  |  |  |  |

|  |
| --- |
| a. R Squared = .077 (Adjusted R Squared = .054) |
| b. R Squared = .153 (Adjusted R Squared = .132) |
| c. R Squared = .093 (Adjusted R Squared = .071) |
| d. R Squared = .101 (Adjusted R Squared = .079) |
| e. R Squared = .064 (Adjusted R Squared = .041) |
| f. R Squared = .011 (Adjusted R Squared = -.014) |
| g. R Squared = .128 (Adjusted R Squared = .106) |
| h. R Squared = .068 (Adjusted R Squared = .045) |
| i. R Squared = .034 (Adjusted R Squared = .010) |
| j. R Squared = .015 (Adjusted R Squared = -.009) |
| k. R Squared = .049 (Adjusted R Squared = .025) |
| l. R Squared = .038 (Adjusted R Squared = .014) |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Parameter Estimates* | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval | | Partial Eta Squared |
| Lower Bound | Upper Bound |
| BW-dir | Intercept | -.064 | .137 | -.467 | .641 | -.333 | .206 | .001 |
| [Variants=7] | .717 | .444 | 1.616 | .107 | -.156 | 1.591 | .007 |
| [Variants=8] | .040 | .382 | .104 | .917 | -.712 | .792 | .000 |
| [Variants=9] | -.051 | .336 | -.153 | .878 | -.712 | .609 | .000 |
| [Variants=10] | .615 | .322 | 1.910 | .057 | -.018 | 1.248 | .010 |
| [Variants=11] | -.098 | .276 | -.355 | .723 | -.641 | .445 | .000 |
| [Variants=12] | .493 | .250 | 1.976 | .049 | .002 | .984 | .011 |
| [Variants=13] | .086 | .244 | .351 | .725 | -.393 | .565 | .000 |
| [Variants=14] | .022 | .240 | .093 | .926 | -.449 | .494 | .000 |
| [Variants=15] | 1.029 | .232 | 4.439 | .000 | .573 | 1.485 | .052 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| Wean dir | Intercept | 9.023 | .546 | 16.525 | .000 | 7.949 | 10.097 | .430 |
| [Variants=7] | 2.328 | 1.769 | 1.316 | .189 | -1.152 | 5.807 | .005 |
| [Variants=8] | -.786 | 1.524 | -.516 | .606 | -3.783 | 2.210 | .001 |
| [Variants=9] | -.520 | 1.338 | -.389 | .697 | -3.151 | 2.110 | .000 |
| [Variants=10] | -.078 | 1.283 | -.061 | .951 | -2.602 | 2.445 | .000 |
| [Variants=11] | 1.698 | 1.101 | 1.543 | .124 | -.467 | 3.863 | .007 |
| [Variants=12] | 5.510 | .994 | 5.540 | .000 | 3.554 | 7.465 | .078 |
| [Variants=13] | -.344 | .971 | -.354 | .723 | -2.252 | 1.565 | .000 |
| [Variants=14] | -1.064 | .956 | -1.113 | .267 | -2.944 | .816 | .003 |
| [Variants=15] | 4.174 | .924 | 4.518 | .000 | 2.358 | 5.991 | .053 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| Mature wt | Intercept | 12.217 | 1.118 | 10.927 | .000 | 10.018 | 14.416 | .248 |
| [Variants=7] | 3.433 | 3.623 | .948 | .344 | -3.691 | 10.558 | .002 |
| [Variants=8] | -2.452 | 3.120 | -.786 | .432 | -8.586 | 3.683 | .002 |
| [Variants=9] | 2.707 | 2.739 | .988 | .324 | -2.679 | 8.092 | .003 |
| [Variants=10] | -1.778 | 2.628 | -.677 | .499 | -6.945 | 3.389 | .001 |
| [Variants=11] | .709 | 2.254 | .315 | .753 | -3.723 | 5.142 | .000 |
| [Variants=12] | 6.692 | 2.036 | 3.286 | .001 | 2.687 | 10.696 | .029 |
| [Variants=13] | .470 | 1.987 | .237 | .813 | -3.437 | 4.378 | .000 |
| [Variants=14] | -2.445 | 1.957 | -1.249 | .212 | -6.294 | 1.404 | .004 |
| [Variants=15] | 7.457 | 1.892 | 3.942 | .000 | 3.737 | 11.177 | .041 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| ADG | Intercept | 63.867 | 5.202 | 12.279 | .000 | 53.638 | 74.096 | .294 |
| [Variants=7] | 18.346 | 16.855 | 1.088 | .277 | -14.800 | 51.491 | .003 |
| [Variants=8] | -6.314 | 14.514 | -.435 | .664 | -34.855 | 22.228 | .001 |
| [Variants=9] | -12.181 | 12.741 | -.956 | .340 | -37.236 | 12.875 | .003 |
| [Variants=10] | -10.438 | 12.225 | -.854 | .394 | -34.479 | 13.603 | .002 |
| [Variants=11] | 14.046 | 10.487 | 1.339 | .181 | -6.576 | 34.668 | .005 |
| [Variants=12] | 44.817 | 9.473 | 4.731 | .000 | 26.187 | 63.446 | .058 |
| [Variants=13] | 2.383 | 9.245 | .258 | .797 | -15.798 | 20.564 | .000 |
| [Variants=14] | -10.796 | 9.107 | -1.186 | .237 | -28.705 | 7.113 | .004 |
| [Variants=15] | 18.824 | 8.801 | 2.139 | .033 | 1.516 | 36.131 | .012 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| FCR | Intercept | -42.105 | 2.483 | -16.955 | .000 | -46.989 | -37.222 | .443 |
| [Variants=7] | -7.113 | 8.047 | -.884 | .377 | -22.938 | 8.711 | .002 |
| [Variants=8] | 3.174 | 6.929 | .458 | .647 | -10.453 | 16.800 | .001 |
| [Variants=9] | 8.245 | 6.083 | 1.355 | .176 | -3.718 | 20.207 | .005 |
| [Variants=10] | 1.466 | 5.836 | .251 | .802 | -10.012 | 12.944 | .000 |
| [Variants=11] | -3.156 | 5.007 | -.630 | .529 | -13.002 | 6.689 | .001 |
| [Variants=12] | -15.566 | 4.523 | -3.442 | .001 | -24.460 | -6.672 | .032 |
| [Variants=13] | 1.470 | 4.414 | .333 | .739 | -7.209 | 10.150 | .000 |
| [Variants=14] | 5.683 | 4.348 | 1.307 | .192 | -2.867 | 14.233 | .005 |
| [Variants=15] | -5.387 | 4.202 | -1.282 | .201 | -13.650 | 2.876 | .005 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| Fat | Intercept | .070 | .130 | .540 | .590 | -.186 | .327 | .001 |
| [Variants=7] | .062 | .422 | .148 | .882 | -.768 | .893 | .000 |
| [Variants=8] | -.120 | .364 | -.330 | .742 | -.835 | .595 | .000 |
| [Variants=9] | .023 | .319 | .073 | .942 | -.605 | .651 | .000 |
| [Variants=10] | -.076 | .306 | -.249 | .804 | -.678 | .526 | .000 |
| [Variants=11] | -.427 | .263 | -1.626 | .105 | -.944 | .089 | .007 |
| [Variants=12] | -.021 | .237 | -.089 | .929 | -.488 | .446 | .000 |
| [Variants=13] | .101 | .232 | .438 | .662 | -.354 | .557 | .001 |
| [Variants=14] | -.017 | .228 | -.076 | .939 | -.466 | .431 | .000 |
| [Variants=15] | .064 | .220 | .290 | .772 | -.370 | .497 | .000 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| EMA | Intercept | .787 | .138 | 5.713 | .000 | .516 | 1.058 | .083 |
| [Variants=7] | .110 | .447 | .247 | .805 | -.768 | .989 | .000 |
| [Variants=8] | .044 | .385 | .113 | .910 | -.713 | .800 | .000 |
| [Variants=9] | .103 | .338 | .305 | .761 | -.561 | .767 | .000 |
| [Variants=10] | -.494 | .324 | -1.526 | .128 | -1.131 | .143 | .006 |
| [Variants=11] | .366 | .278 | 1.316 | .189 | -.181 | .912 | .005 |
| [Variants=12] | 1.384 | .251 | 5.513 | .000 | .890 | 1.878 | .077 |
| [Variants=13] | -.034 | .245 | -.137 | .891 | -.515 | .448 | .000 |
| [Variants=14] | -.024 | .241 | -.099 | .921 | -.498 | .451 | .000 |
| [Variants=15] | .826 | .233 | 3.541 | .000 | .367 | 1.284 | .033 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| Marb | Intercept | .403 | .079 | 5.090 | .000 | .247 | .559 | .067 |
| [Variants=7] | -.366 | .257 | -1.425 | .155 | -.870 | .139 | .006 |
| [Variants=8] | -.199 | .221 | -.901 | .368 | -.634 | .235 | .002 |
| [Variants=9] | -.028 | .194 | -.145 | .885 | -.410 | .353 | .000 |
| [Variants=10] | -.232 | .186 | -1.248 | .213 | -.598 | .134 | .004 |
| [Variants=11] | -.480 | .160 | -3.007 | .003 | -.794 | -.166 | .024 |
| [Variants=12] | -.655 | .144 | -4.541 | .000 | -.939 | -.371 | .054 |
| [Variants=13] | -.276 | .141 | -1.963 | .050 | -.553 | .001 | .011 |
| [Variants=14] | -.152 | .139 | -1.099 | .272 | -.425 | .120 | .003 |
| [Variants=15] | -.275 | .134 | -2.049 | .041 | -.538 | -.011 | .011 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| afc\_ebv | Intercept | -1.918 | .846 | -2.265 | .024 | -3.582 | -.253 | .014 |
| [Variants=7] | -1.519 | 2.743 | -.554 | .580 | -6.913 | 3.875 | .001 |
| [Variants=8] | 2.692 | 2.362 | 1.140 | .255 | -1.952 | 7.337 | .004 |
| [Variants=9] | -.967 | 2.073 | -.466 | .641 | -5.044 | 3.111 | .001 |
| [Variants=10] | -.232 | 1.989 | -.117 | .907 | -4.145 | 3.680 | .000 |
| [Variants=11] | -2.314 | 1.707 | -1.356 | .176 | -5.670 | 1.042 | .005 |
| [Variants=12] | 1.363 | 1.542 | .884 | .377 | -1.668 | 4.395 | .002 |
| [Variants=13] | -.104 | 1.505 | -.069 | .945 | -3.063 | 2.854 | .000 |
| [Variants=14] | -.800 | 1.482 | -.540 | .590 | -3.714 | 2.115 | .001 |
| [Variants=15] | 3.052 | 1.432 | 2.131 | .034 | .236 | 5.868 | .012 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| icp\_ebv | Intercept | -1.889 | .226 | -8.357 | .000 | -2.333 | -1.444 | .162 |
| [Variants=7] | -.940 | .732 | -1.284 | .200 | -2.380 | .500 | .005 |
| [Variants=8] | .030 | .631 | .047 | .962 | -1.210 | 1.270 | .000 |
| [Variants=9] | -.817 | .554 | -1.476 | .141 | -1.906 | .271 | .006 |
| [Variants=10] | -.113 | .531 | -.212 | .832 | -1.157 | .932 | .000 |
| [Variants=11] | .078 | .456 | .171 | .864 | -.818 | .974 | .000 |
| [Variants=12] | .273 | .412 | .663 | .508 | -.537 | 1.082 | .001 |
| [Variants=13] | .122 | .402 | .303 | .762 | -.668 | .912 | .000 |
| [Variants=14] | .151 | .396 | .380 | .704 | -.628 | .929 | .000 |
| [Variants=15] | -.117 | .382 | -.305 | .761 | -.869 | .635 | .000 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| skr\_ebv | Intercept | 12.501 | .738 | 16.939 | .000 | 11.049 | 13.952 | .442 |
| [Variants=7] | -.448 | 2.391 | -.187 | .852 | -5.150 | 4.255 | .000 |
| [Variants=8] | .097 | 2.059 | .047 | .962 | -3.952 | 4.147 | .000 |
| [Variants=9] | -6.084 | 1.808 | -3.366 | .001 | -9.639 | -2.529 | .030 |
| [Variants=10] | -.954 | 1.734 | -.550 | .583 | -4.365 | 2.457 | .001 |
| [Variants=11] | -.395 | 1.488 | -.266 | .791 | -3.321 | 2.531 | .000 |
| [Variants=12] | 2.218 | 1.344 | 1.650 | .100 | -.426 | 4.861 | .007 |
| [Variants=13] | .683 | 1.312 | .521 | .603 | -1.896 | 3.263 | .001 |
| [Variants=14] | -.757 | 1.292 | -.586 | .559 | -3.297 | 1.784 | .001 |
| [Variants=15] | -.258 | 1.249 | -.207 | .836 | -2.714 | 2.197 | .000 |
| [Variants=16] | 0a | . | . | . | . | . | . |
| Longevity | Intercept | 24.880 | .473 | 52.556 | .000 | 23.949 | 25.811 | .884 |
| [Variants=7] | -2.647 | 1.534 | -1.726 | .085 | -5.664 | .369 | .008 |
| [Variants=8] | -1.506 | 1.321 | -1.140 | .255 | -4.104 | 1.092 | .004 |
| [Variants=9] | -1.463 | 1.160 | -1.262 | .208 | -3.743 | .817 | .004 |
| [Variants=10] | -1.807 | 1.113 | -1.624 | .105 | -3.995 | .381 | .007 |
| [Variants=11] | 1.472 | .954 | 1.542 | .124 | -.405 | 3.349 | .007 |
| [Variants=12] | -.179 | .862 | -.208 | .836 | -1.875 | 1.516 | .000 |
| [Variants=13] | -.103 | .841 | -.123 | .903 | -1.758 | 1.552 | .000 |
| [Variants=14] | .320 | .829 | .386 | .700 | -1.310 | 1.950 | .000 |
| [Variants=15] | .611 | .801 | .762 | .446 | -.965 | 2.186 | .002 |
| [Variants=16] | 0a | . | . | . | . | . | . |

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| --- |
| a. This parameter is set to zero because it is redundant. |

**Estimated Marginal Means**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Variants* | | | | | |
| Dependent Variable | Variants | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| BW-dir | 1 0 1 | .653 | .422 | -.177 | 1.484 |
| 2 2 0 | -.024 | .357 | -.726 | .678 |
| 1 1 1 | -.115 | .306 | -.718 | .487 |
| 2 1 0 | .551 | .291 | -.022 | 1.124 |
| \_ \_ 0 | -.162 | .240 | -.634 | .310 |
| \_ \_ 1 | .429 | .209 | .019 | .840 |
| 1 0 0 | .022 | .201 | -.374 | .418 |
| 1 1 0 | -.042 | .197 | -.429 | .346 |
| 0 0 1 | .965 | .187 | .597 | 1.333 |
| 0 0 0 | -.064 | .137 | -.333 | .206 |
| Wean dir | 1 0 1 | 11.351 | 1.683 | 8.041 | 14.661 |
| 2 2 0 | 8.237 | 1.422 | 5.440 | 11.034 |
| 1 1 1 | 8.503 | 1.221 | 6.102 | 10.904 |
| 2 1 0 | 8.945 | 1.161 | 6.661 | 11.229 |
| \_ \_ 0 | 10.721 | .956 | 8.842 | 12.601 |
| \_ \_ 1 | 14.533 | .831 | 12.898 | 16.167 |
| 1 0 0 | 8.680 | .802 | 7.102 | 10.257 |
| 1 1 0 | 7.960 | .785 | 6.416 | 9.503 |
| 0 0 1 | 13.198 | .745 | 11.732 | 14.663 |
| 0 0 0 | 9.023 | .546 | 7.949 | 10.097 |
| Mature wt | 1 0 1 | 15.650 | 3.446 | 8.874 | 22.427 |
| 2 2 0 | 9.766 | 2.912 | 4.038 | 15.493 |
| 1 1 1 | 14.924 | 2.500 | 10.008 | 19.840 |
| 2 1 0 | 10.439 | 2.378 | 5.763 | 15.115 |
| \_ \_ 0 | 12.926 | 1.957 | 9.077 | 16.775 |
| \_ \_ 1 | 18.909 | 1.702 | 15.562 | 22.255 |
| 1 0 0 | 12.687 | 1.643 | 9.457 | 15.918 |
| 1 1 0 | 9.772 | 1.607 | 6.613 | 12.932 |
| 0 0 1 | 19.674 | 1.526 | 16.673 | 22.674 |
| 0 0 0 | 12.217 | 1.118 | 10.018 | 14.416 |
| ADG | 1 0 1 | 82.213 | 16.032 | 50.685 | 113.740 |
| 2 2 0 | 57.554 | 13.550 | 30.908 | 84.199 |
| 1 1 1 | 51.687 | 11.631 | 28.814 | 74.559 |
| 2 1 0 | 53.429 | 11.063 | 31.673 | 75.185 |
| \_ \_ 0 | 77.913 | 9.106 | 60.006 | 95.820 |
| \_ \_ 1 | 108.684 | 7.918 | 93.113 | 124.254 |
| 1 0 0 | 66.250 | 7.643 | 51.220 | 81.280 |
| 1 1 0 | 53.071 | 7.475 | 38.371 | 67.771 |
| 0 0 1 | 82.691 | 7.099 | 68.730 | 96.651 |
| 0 0 0 | 63.867 | 5.202 | 53.638 | 74.096 |
| FCR | 1 0 1 | -49.219 | 7.654 | -64.271 | -34.167 |
| 2 2 0 | -38.932 | 6.469 | -51.653 | -26.210 |
| 1 1 1 | -33.861 | 5.553 | -44.781 | -22.941 |
| 2 1 0 | -40.640 | 5.282 | -51.026 | -30.253 |
| \_ \_ 0 | -45.262 | 4.347 | -53.811 | -36.713 |
| \_ \_ 1 | -57.671 | 3.780 | -65.105 | -50.238 |
| 1 0 0 | -40.635 | 3.649 | -47.811 | -33.459 |
| 1 1 0 | -36.423 | 3.569 | -43.441 | -29.405 |
| 0 0 1 | -47.492 | 3.389 | -54.157 | -40.827 |
| 0 0 0 | -42.105 | 2.483 | -46.989 | -37.222 |
| Fat | 1 0 1 | .133 | .402 | -.657 | .923 |
| 2 2 0 | -.050 | .339 | -.717 | .618 |
| 1 1 1 | .093 | .291 | -.480 | .666 |
| 2 1 0 | -.006 | .277 | -.551 | .539 |
| \_ \_ 0 | -.357 | .228 | -.805 | .092 |
| \_ \_ 1 | .049 | .198 | -.341 | .439 |
| 1 0 0 | .172 | .191 | -.205 | .548 |
| 1 1 0 | .053 | .187 | -.315 | .421 |
| 0 0 1 | .134 | .178 | -.216 | .484 |
| 0 0 0 | .070 | .130 | -.186 | .327 |
| EMA | 1 0 1 | .898 | .425 | .062 | 1.733 |
| 2 2 0 | .831 | .359 | .125 | 1.537 |
| 1 1 1 | .890 | .308 | .284 | 1.496 |
| 2 1 0 | .293 | .293 | -.283 | .870 |
| \_ \_ 0 | 1.153 | .241 | .678 | 1.627 |
| \_ \_ 1 | 2.171 | .210 | 1.759 | 2.584 |
| 1 0 0 | .754 | .203 | .356 | 1.152 |
| 1 1 0 | .764 | .198 | .374 | 1.153 |
| 0 0 1 | 1.613 | .188 | 1.243 | 1.983 |
| 0 0 0 | .787 | .138 | .516 | 1.058 |
| Marb | 1 0 1 | .037 | .244 | -.443 | .517 |
| 2 2 0 | .204 | .206 | -.202 | .610 |
| 1 1 1 | .375 | .177 | .027 | .723 |
| 2 1 0 | .171 | .168 | -.160 | .502 |
| \_ \_ 0 | -.077 | .139 | -.350 | .196 |
| \_ \_ 1 | -.252 | .121 | -.489 | -.015 |
| 1 0 0 | .127 | .116 | -.102 | .356 |
| 1 1 0 | .251 | .114 | .027 | .474 |
| 0 0 1 | .129 | .108 | -.084 | .341 |
| 0 0 0 | .403 | .079 | .247 | .559 |
| afc\_ebv | 1 0 1 | -3.436 | 2.609 | -8.567 | 1.695 |
| 2 2 0 | .775 | 2.205 | -3.561 | 5.111 |
| 1 1 1 | -2.884 | 1.893 | -6.607 | .838 |
| 2 1 0 | -2.150 | 1.800 | -5.691 | 1.391 |
| \_ \_ 0 | -4.232 | 1.482 | -7.146 | -1.318 |
| \_ \_ 1 | -.554 | 1.288 | -3.088 | 1.980 |
| 1 0 0 | -2.022 | 1.244 | -4.468 | .424 |
| 1 1 0 | -2.717 | 1.216 | -5.109 | -.325 |
| 0 0 1 | 1.134 | 1.155 | -1.138 | 3.406 |
| 0 0 0 | -1.918 | .846 | -3.582 | -.253 |
| icp\_ebv | 1 0 1 | -2.829 | .697 | -4.199 | -1.459 |
| 2 2 0 | -1.859 | .589 | -3.017 | -.701 |
| 1 1 1 | -2.706 | .505 | -3.700 | -1.712 |
| 2 1 0 | -2.002 | .481 | -2.947 | -1.056 |
| \_ \_ 0 | -1.811 | .396 | -2.589 | -1.033 |
| \_ \_ 1 | -1.616 | .344 | -2.293 | -.939 |
| 1 0 0 | -1.767 | .332 | -2.420 | -1.114 |
| 1 1 0 | -1.738 | .325 | -2.377 | -1.100 |
| 0 0 1 | -2.005 | .308 | -2.612 | -1.399 |
| 0 0 0 | -1.889 | .226 | -2.333 | -1.444 |
| skr\_ebv | 1 0 1 | 12.053 | 2.275 | 7.580 | 16.526 |
| 2 2 0 | 12.598 | 1.922 | 8.817 | 16.378 |
| 1 1 1 | 6.416 | 1.650 | 3.171 | 9.662 |
| 2 1 0 | 11.547 | 1.570 | 8.460 | 14.634 |
| \_ \_ 0 | 12.105 | 1.292 | 9.565 | 14.646 |
| \_ \_ 1 | 14.718 | 1.123 | 12.509 | 16.927 |
| 1 0 0 | 13.184 | 1.084 | 11.051 | 15.316 |
| 1 1 0 | 11.744 | 1.061 | 9.658 | 13.830 |
| 0 0 1 | 12.242 | 1.007 | 10.262 | 14.223 |
| 0 0 0 | 12.501 | .738 | 11.049 | 13.952 |
| Longevity | 1 0 1 | 22.233 | 1.459 | 19.364 | 25.103 |
| 2 2 0 | 23.374 | 1.233 | 20.949 | 25.799 |
| 1 1 1 | 23.417 | 1.059 | 21.336 | 25.499 |
| 2 1 0 | 23.074 | 1.007 | 21.094 | 25.054 |
| \_ \_ 0 | 26.352 | .829 | 24.723 | 27.982 |
| \_ \_ 1 | 24.701 | .721 | 23.284 | 26.118 |
| 1 0 0 | 24.777 | .696 | 23.409 | 26.145 |
| 1 1 0 | 25.200 | .680 | 23.862 | 26.538 |
| 0 0 1 | 25.491 | .646 | 24.220 | 26.762 |
| 0 0 0 | 24.880 | .473 | 23.949 | 25.811 |

**Post Hoc Tests**

**Variants**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Multiple Comparisons* | | | | | | | | |
| Dependent Variable | | (I) Variants | (J) Variants | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| BW-dir | Games-Howell | 1 0 1 | 2 2 0 | .6775 | .48974 | .920 | -1.0391 | 2.3942 |
| 1 1 1 | .7688 | .42583 | .726 | -.7196 | 2.2572 |
| 2 1 0 | .1024 | .40247 | 1.000 | -1.3180 | 1.5228 |
| \_ \_ 0 | .8155 | .37351 | .501 | -.5305 | 2.1615 |
| \_ \_ 1 | .2241 | .39961 | 1.000 | -1.1771 | 1.6253 |
| 1 0 0 | .6318 | .35229 | .730 | -.6738 | 1.9374 |
| 1 1 0 | .6950 | .36490 | .667 | -.6317 | 2.0216 |
| 0 0 1 | -.3118 | .36747 | .996 | -1.6427 | 1.0191 |
| 0 0 0 | .7174 | .34703 | .574 | -.5791 | 2.0140 |
| 2 2 0 | 1 0 1 | -.6775 | .48974 | .920 | -2.3942 | 1.0391 |
| 1 1 1 | .0913 | .47444 | 1.000 | -1.5447 | 1.7272 |
| 2 1 0 | -.5752 | .45359 | .952 | -2.1506 | 1.0003 |
| \_ \_ 0 | .1379 | .42810 | 1.000 | -1.3704 | 1.6463 |
| \_ \_ 1 | -.4534 | .45105 | .989 | -2.0141 | 1.1072 |
| 1 0 0 | -.0457 | .40972 | 1.000 | -1.5144 | 1.4229 |
| 1 1 0 | .0174 | .42061 | 1.000 | -1.4730 | 1.5079 |
| 0 0 1 | -.9894 | .42284 | .407 | -2.4842 | .5054 |
| 0 0 0 | .0399 | .40520 | 1.000 | -1.4195 | 1.4993 |
| 1 1 1 | 1 0 1 | -.7688 | .42583 | .726 | -2.2572 | .7196 |
| 2 2 0 | -.0913 | .47444 | 1.000 | -1.7272 | 1.5447 |
| 2 1 0 | -.6664 | .38369 | .768 | -1.9574 | .6245 |
| \_ \_ 0 | .0467 | .35319 | 1.000 | -1.1450 | 1.2383 |
| \_ \_ 1 | -.5447 | .38069 | .911 | -1.8130 | .7237 |
| 1 0 0 | -.1370 | .33068 | 1.000 | -1.2655 | .9916 |
| 1 1 0 | -.0738 | .34409 | 1.000 | -1.2373 | 1.0897 |
| 0 0 1 | -1.0806 | .34681 | .091 | -2.2509 | .0897 |
| 0 0 0 | -.0514 | .32506 | 1.000 | -1.1644 | 1.0616 |
| 2 1 0 | 1 0 1 | -.1024 | .40247 | 1.000 | -1.5228 | 1.3180 |
| 2 2 0 | .5752 | .45359 | .952 | -1.0003 | 2.1506 |
| 1 1 1 | .6664 | .38369 | .768 | -.6245 | 1.9574 |
| \_ \_ 0 | .7131 | .32465 | .475 | -.3702 | 1.7965 |
| \_ \_ 1 | .1218 | .35437 | 1.000 | -1.0486 | 1.2921 |
| 1 0 0 | .5295 | .30000 | .752 | -.4798 | 1.5388 |
| 1 1 0 | .5926 | .31472 | .680 | -.4577 | 1.6430 |
| 0 0 1 | -.4142 | .31769 | .948 | -1.4724 | .6440 |
| 0 0 0 | .6151 | .29380 | .544 | -.3755 | 1.6056 |
| \_ \_ 0 | 1 0 1 | -.8155 | .37351 | .501 | -2.1615 | .5305 |
| 2 2 0 | -.1379 | .42810 | 1.000 | -1.6463 | 1.3704 |
| 1 1 1 | -.0467 | .35319 | 1.000 | -1.2383 | 1.1450 |
| 2 1 0 | -.7131 | .32465 | .475 | -1.7965 | .3702 |
| \_ \_ 1 | -.5914 | .32110 | .707 | -1.6407 | .4580 |
| 1 0 0 | -.1837 | .25986 | .999 | -1.0362 | .6689 |
| 1 1 0 | -.1205 | .27672 | 1.000 | -1.0251 | .7841 |
| 0 0 1 | -1.1273\* | .28010 | .005 | -2.0415 | -.2131 |
| 0 0 0 | -.0981 | .25268 | 1.000 | -.9258 | .7297 |
| \_ \_ 1 | 1 0 1 | -.2241 | .39961 | 1.000 | -1.6253 | 1.1771 |
| 2 2 0 | .4534 | .45105 | .989 | -1.1072 | 2.0141 |
| 1 1 1 | .5447 | .38069 | .911 | -.7237 | 1.8130 |
| 2 1 0 | -.1218 | .35437 | 1.000 | -1.2921 | 1.0486 |
| \_ \_ 0 | .5914 | .32110 | .707 | -.4580 | 1.6407 |
| 1 0 0 | .4077 | .29615 | .930 | -.5603 | 1.3757 |
| 1 1 0 | .4709 | .31105 | .883 | -.5428 | 1.4845 |
| 0 0 1 | -.5360 | .31406 | .789 | -1.5583 | .4864 |
| 0 0 0 | .4933 | .28987 | .791 | -.4538 | 1.4404 |
| 1 0 0 | 1 0 1 | -.6318 | .35229 | .730 | -1.9374 | .6738 |
| 2 2 0 | .0457 | .40972 | 1.000 | -1.4229 | 1.5144 |
| 1 1 1 | .1370 | .33068 | 1.000 | -.9916 | 1.2655 |
| 2 1 0 | -.5295 | .30000 | .752 | -1.5388 | .4798 |
| \_ \_ 0 | .1837 | .25986 | .999 | -.6689 | 1.0362 |
| \_ \_ 1 | -.4077 | .29615 | .930 | -1.3757 | .5603 |
| 1 1 0 | .0632 | .24734 | 1.000 | -.7401 | .8664 |
| 0 0 1 | -.9436\* | .25111 | .011 | -1.7579 | -.1294 |
| 0 0 0 | .0856 | .22011 | 1.000 | -.6251 | .7963 |
| 1 1 0 | 1 0 1 | -.6950 | .36490 | .667 | -2.0216 | .6317 |
| 2 2 0 | -.0174 | .42061 | 1.000 | -1.5079 | 1.4730 |
| 1 1 1 | .0738 | .34409 | 1.000 | -1.0897 | 1.2373 |
| 2 1 0 | -.5926 | .31472 | .680 | -1.6430 | .4577 |
| \_ \_ 0 | .1205 | .27672 | 1.000 | -.7841 | 1.0251 |
| \_ \_ 1 | -.4709 | .31105 | .883 | -1.4845 | .5428 |
| 1 0 0 | -.0632 | .24734 | 1.000 | -.8664 | .7401 |
| 0 0 1 | -1.0068\* | .26852 | .011 | -1.8769 | -.1367 |
| 0 0 0 | .0224 | .23978 | 1.000 | -.7534 | .7982 |
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| 2 2 0 | .9894 | .42284 | .407 | -.5054 | 2.4842 |
| 1 1 1 | 1.0806 | .34681 | .091 | -.0897 | 2.2509 |
| 2 1 0 | .4142 | .31769 | .948 | -.6440 | 1.4724 |
| \_ \_ 0 | 1.1273\* | .28010 | .005 | .2131 | 2.0415 |
| \_ \_ 1 | .5360 | .31406 | .789 | -.4864 | 1.5583 |
| 1 0 0 | .9436\* | .25111 | .011 | .1294 | 1.7579 |
| 1 1 0 | 1.0068\* | .26852 | .011 | .1367 | 1.8769 |
| 0 0 0 | 1.0292\* | .24367 | .002 | .2419 | 1.8165 |
| 0 0 0 | 1 0 1 | -.7174 | .34703 | .574 | -2.0140 | .5791 |
| 2 2 0 | -.0399 | .40520 | 1.000 | -1.4993 | 1.4195 |
| 1 1 1 | .0514 | .32506 | 1.000 | -1.0616 | 1.1644 |
| 2 1 0 | -.6151 | .29380 | .544 | -1.6056 | .3755 |
| \_ \_ 0 | .0981 | .25268 | 1.000 | -.7297 | .9258 |
| \_ \_ 1 | -.4933 | .28987 | .791 | -1.4404 | .4538 |
| 1 0 0 | -.0856 | .22011 | 1.000 | -.7963 | .6251 |
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| 0 0 1 | -1.0292\* | .24367 | .002 | -1.8165 | -.2419 |
| Wean dir | Games-Howell | 1 0 1 | 2 2 0 | 3.1141 | 1.73691 | .733 | -2.9872 | 9.2155 |
| 1 1 1 | 2.8480 | 1.76741 | .831 | -3.2315 | 8.9274 |
| 2 1 0 | 2.4061 | 1.35644 | .744 | -2.3335 | 7.1456 |
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| 1 1 0 | 3.3914 | 1.31719 | .282 | -1.1912 | 7.9740 |
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| 2 1 0 | -.7080 | 1.67893 | 1.000 | -6.5592 | 5.1432 |
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| 1 1 0 | .2773 | 1.64738 | 1.000 | -5.4685 | 6.0231 |
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| 1 1 1 | 1 0 1 | -2.8480 | 1.76741 | .831 | -8.9274 | 3.2315 |
| 2 2 0 | .2661 | 2.02549 | 1.000 | -6.6359 | 7.1681 |
| 2 1 0 | -.4419 | 1.71046 | 1.000 | -6.2682 | 5.3843 |
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| \_ \_ 1 | -6.0298 | 1.82347 | .056 | -12.1431 | .0834 |
| 1 0 0 | -.1766 | 1.63154 | 1.000 | -5.7724 | 5.4192 |
| 1 1 0 | .5434 | 1.67950 | 1.000 | -5.1732 | 6.2601 |
| 0 0 1 | -4.6947 | 1.61912 | .154 | -10.2583 | .8689 |
| 0 0 0 | -.5203 | 1.54219 | 1.000 | -5.9042 | 4.8636 |
| 2 1 0 | 1 0 1 | -2.4061 | 1.35644 | .744 | -7.1456 | 2.3335 |
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| 1 1 1 | .4419 | 1.71046 | 1.000 | -5.3843 | 6.2682 |
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| \_ \_ 1 | -5.5879\* | 1.42873 | .008 | -10.2857 | -.8902 |
| 1 0 0 | .2653 | 1.17393 | 1.000 | -3.6343 | 4.1649 |
| 1 1 0 | .9853 | 1.23973 | .998 | -3.1101 | 5.0808 |
| 0 0 1 | -4.2528\* | 1.15661 | .020 | -8.0972 | -.4084 |
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| 1 1 0 | 2.7620 | 1.08794 | .266 | -.7856 | 6.3095 |
| 0 0 1 | -2.4762 | .99218 | .287 | -5.7093 | .7569 |
| 0 0 0 | 1.6982 | .86094 | .621 | -1.1179 | 4.5144 |
| \_ \_ 1 | 1 0 1 | 3.1819 | 1.49643 | .523 | -1.8896 | 8.2533 |
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| 1 0 0 | 5.8533\* | 1.33323 | .002 | 1.4987 | 10.2079 |
| 1 1 0 | 6.5733\* | 1.39152 | .000 | 2.0396 | 11.1070 |
| 0 0 1 | 1.3351 | 1.31800 | .991 | -2.9701 | 5.6404 |
| 0 0 0 | 5.5095\* | 1.22226 | .001 | 1.4905 | 9.5286 |
| 1 0 0 | 1 0 1 | -2.6714 | 1.25546 | .530 | -7.1106 | 1.7678 |
| 2 2 0 | .4427 | 1.59845 | 1.000 | -5.1940 | 6.0794 |
| 1 1 1 | .1766 | 1.63154 | 1.000 | -5.4192 | 5.7724 |
| 2 1 0 | -.2653 | 1.17393 | 1.000 | -4.1649 | 3.6343 |
| \_ \_ 0 | -2.0420 | 1.01233 | .590 | -5.3465 | 1.2626 |
| \_ \_ 1 | -5.8533\* | 1.33323 | .002 | -10.2079 | -1.4987 |
| 1 1 0 | .7200 | 1.12835 | 1.000 | -2.9439 | 4.3839 |
| 0 0 1 | -4.5181\* | 1.03633 | .001 | -7.8788 | -1.1575 |
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| 1 1 0 | 1 0 1 | -3.3914 | 1.31719 | .282 | -7.9740 | 1.1912 |
| 2 2 0 | -.2773 | 1.64738 | 1.000 | -6.0231 | 5.4685 |
| 1 1 1 | -.5434 | 1.67950 | 1.000 | -6.2601 | 5.1732 |
| 2 1 0 | -.9853 | 1.23973 | .998 | -5.0808 | 3.1101 |
| \_ \_ 0 | -2.7620 | 1.08794 | .266 | -6.3095 | .7856 |
| \_ \_ 1 | -6.5733\* | 1.39152 | .000 | -11.1070 | -2.0396 |
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| 0 0 1 | -5.2381\* | 1.11032 | .000 | -8.8397 | -1.6366 |
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| 2 2 0 | 4.9608 | 1.58577 | .111 | -.6470 | 10.5687 |
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| 2 1 0 | 4.2528\* | 1.15661 | .020 | .4084 | 8.0972 |
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| 1 1 0 | 5.2381\* | 1.11032 | .000 | 1.6366 | 8.8397 |
| 0 0 0 | 4.1744\* | .88905 | .000 | 1.2983 | 7.0505 |
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| 2 2 0 | .7864 | 1.50714 | 1.000 | -4.6671 | 6.2399 |
| 1 1 1 | .5203 | 1.54219 | 1.000 | -4.8636 | 5.9042 |
| 2 1 0 | .0784 | 1.04620 | 1.000 | -3.4541 | 3.6109 |
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| 1 1 0 | 1.0637 | .99479 | .986 | -2.1735 | 4.3010 |
| 0 0 1 | -4.1744\* | .88905 | .000 | -7.0505 | -1.2983 |
| Mature wt | Games-Howell | 1 0 1 | 2 2 0 | 5.8847 | 3.50774 | .796 | -6.4305 | 18.1999 |
| 1 1 1 | .7264 | 3.87007 | 1.000 | -12.5997 | 14.0524 |
| 2 1 0 | 5.2112 | 3.42710 | .871 | -6.6522 | 17.0745 |
| \_ \_ 0 | 2.7240 | 3.06417 | .995 | -8.0584 | 13.5064 |
| \_ \_ 1 | -3.2584 | 3.13751 | .986 | -14.1887 | 7.6719 |
| 1 0 0 | 2.9628 | 2.85776 | .985 | -7.3365 | 13.2620 |
| 1 1 0 | 5.8780 | 2.83036 | .564 | -4.3667 | 16.1227 |
| 0 0 1 | -4.0234 | 2.85307 | .908 | -14.3073 | 6.2605 |
| 0 0 0 | 3.4331 | 2.64154 | .937 | -6.4995 | 13.3658 |
| 2 2 0 | 1 0 1 | -5.8847 | 3.50774 | .796 | -18.1999 | 6.4305 |
| 1 1 1 | -5.1583 | 3.96183 | .946 | -18.6403 | 8.3237 |
| 2 1 0 | -.6735 | 3.53039 | 1.000 | -12.6911 | 11.3440 |
| \_ \_ 0 | -3.1607 | 3.17928 | .990 | -14.0745 | 7.7530 |
| \_ \_ 1 | -9.1431 | 3.25003 | .177 | -20.2190 | 1.9328 |
| 1 0 0 | -2.9219 | 2.98085 | .991 | -13.3125 | 7.4686 |
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| 0 0 1 | -9.9081 | 2.97635 | .070 | -20.2829 | .4666 |
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| 2 2 0 | 5.1583 | 3.96183 | .946 | -8.3237 | 18.6403 |
| 2 1 0 | 4.4848 | 3.89062 | .975 | -8.6340 | 17.6036 |
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| 1 1 0 | 5.1516 | 3.37681 | .870 | -6.4596 | 16.7628 |
| 0 0 1 | -4.7498 | 3.39587 | .917 | -16.4052 | 6.9056 |
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| 2 1 0 | 1 0 1 | -5.2112 | 3.42710 | .871 | -17.0745 | 6.6522 |
| 2 2 0 | .6735 | 3.53039 | 1.000 | -11.3440 | 12.6911 |
| 1 1 1 | -4.4848 | 3.89062 | .975 | -17.6036 | 8.6340 |
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| \_ \_ 1 | -8.4696 | 3.16282 | .213 | -18.9820 | 2.0429 |
| 1 0 0 | -2.2484 | 2.88552 | .998 | -11.9619 | 7.4651 |
| 1 1 0 | .6668 | 2.85839 | 1.000 | -8.9712 | 10.3048 |
| 0 0 1 | -9.2346 | 2.88088 | .073 | -18.9297 | .4605 |
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| 2 2 0 | 3.1607 | 3.17928 | .990 | -7.7530 | 14.0745 |
| 1 1 1 | -1.9976 | 3.57506 | 1.000 | -14.1379 | 10.1428 |
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| 1 1 0 | 3.1540 | 2.41134 | .948 | -4.7561 | 11.0642 |
| 0 0 1 | -6.7474 | 2.43795 | .170 | -14.7329 | 1.2381 |
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| \_ \_ 1 | 1 0 1 | 3.2584 | 3.13751 | .986 | -7.6719 | 14.1887 |
| 2 2 0 | 9.1431 | 3.25003 | .177 | -1.9328 | 20.2190 |
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| 0 0 0 | 6.6916 | 2.28827 | .120 | -.8068 | 14.1899 |
| 1 0 0 | 1 0 1 | -2.9628 | 2.85776 | .985 | -13.2620 | 7.3365 |
| 2 2 0 | 2.9219 | 2.98085 | .991 | -7.4686 | 13.3125 |
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| 1 1 0 | 2.9152 | 2.14294 | .936 | -4.0419 | 9.8724 |
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| 0 0 0 | .4704 | 1.88652 | 1.000 | -5.6561 | 6.5968 |
| 1 1 0 | 1 0 1 | -5.8780 | 2.83036 | .564 | -16.1227 | 4.3667 |
| 2 2 0 | .0067 | 2.95460 | 1.000 | -10.3215 | 10.3350 |
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| 2 1 0 | -.6668 | 2.85839 | 1.000 | -10.3048 | 8.9712 |
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| 2 1 0 | 1.7780 | 2.67155 | 1.000 | -7.3707 | 10.9268 |
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| ADG | Games-Howell | 1 0 1 | 2 2 0 | 24.6591 | 15.60368 | .843 | -30.6111 | 79.9294 |
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| 1 1 0 | -1.3845 | 14.68622 | 1.000 | -51.4067 | 48.6377 |
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| 2 2 0 | -4.1248 | 14.18727 | 1.000 | -52.4244 | 44.1748 |
| 1 1 1 | 1.7422 | 16.05112 | 1.000 | -52.4600 | 55.9443 |
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| 1 0 0 | 11.6631 | 11.38327 | .989 | -25.9509 | 49.2771 |
| 1 1 0 | 24.8419 | 12.14526 | .572 | -15.0367 | 64.7206 |
| 0 0 1 | -4.7777 | 12.97046 | 1.000 | -47.1604 | 37.6051 |
| 0 0 0 | 14.0459 | 10.93722 | .952 | -22.2359 | 50.3277 |
| \_ \_ 1 | 1 0 1 | 26.4710 | 14.42142 | .707 | -24.7966 | 77.7386 |
| 2 2 0 | 51.1301\* | 13.24642 | .016 | 6.1021 | 96.1582 |
| 1 1 1 | 56.9971\* | 15.22588 | .020 | 5.5216 | 108.4726 |
| 2 1 0 | 55.2550\* | 12.87561 | .003 | 12.5224 | 97.9875 |
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| 1 0 0 | 42.4338\* | 10.29075 | .004 | 8.8582 | 76.0095 |
| 1 1 0 | 55.6126\* | 11.12780 | .000 | 19.4213 | 91.8040 |
| 0 0 1 | 25.9931 | 12.02304 | .490 | -13.0211 | 65.0072 |
| 0 0 0 | 44.8166\* | 9.79506 | .001 | 12.8230 | 76.8102 |
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| 1 1 0 | 13.1788 | 9.47402 | .927 | -17.6014 | 43.9589 |
| 0 0 1 | -16.4408 | 10.51107 | .861 | -50.5785 | 17.6969 |
| 0 0 0 | 2.3827 | 7.86590 | 1.000 | -23.0567 | 27.8221 |
| 1 1 0 | 1 0 1 | -29.1416 | 13.85045 | .548 | -79.2118 | 20.9286 |
| 2 2 0 | -4.4825 | 12.62241 | 1.000 | -47.8234 | 38.8584 |
| 1 1 1 | 1.3845 | 14.68622 | 1.000 | -48.6377 | 51.4067 |
| 2 1 0 | -.3577 | 12.23270 | 1.000 | -41.1601 | 40.4447 |
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| 0 0 0 | -10.7961 | 8.93313 | .969 | -39.7875 | 18.1954 |
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| 2 2 0 | 6.3136 | 11.46476 | 1.000 | -34.2803 | 46.9074 |
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| 1 1 1 | -5.0708 | 7.83591 | 1.000 | -31.7362 | 21.5947 |
| 2 1 0 | 1.7079 | 6.92935 | 1.000 | -21.8913 | 25.3070 |
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| \_ \_ 1 | 18.7396 | 6.45291 | .147 | -3.2271 | 40.7064 |
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| 1 1 0 | -2.5089 | 6.00485 | 1.000 | -23.3062 | 18.2883 |
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| 1 1 1 | -6.7786 | 7.65678 | .996 | -32.6090 | 19.0517 |
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| 2 1 0 | -1.4659 | 5.33723 | 1.000 | -19.6169 | 16.6850 |
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| Fat | Games-Howell | 1 0 1 | 2 2 0 | .1824 | .40249 | 1.000 | -1.3606 | 1.7255 |
| 1 1 1 | .0393 | .42810 | 1.000 | -1.5417 | 1.6203 |
| 2 1 0 | .1387 | .41373 | 1.000 | -1.4176 | 1.6950 |
| \_ \_ 0 | .4897 | .48452 | .988 | -1.2086 | 2.1880 |
| \_ \_ 1 | .0835 | .49309 | 1.000 | -1.6309 | 1.7979 |
| 1 0 0 | -.0390 | .40194 | 1.000 | -1.5784 | 1.5004 |
| 1 1 0 | .0799 | .39889 | 1.000 | -1.4565 | 1.6163 |
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| 1 1 1 | -.1431 | .25108 | 1.000 | -.9995 | .7133 |
| 2 1 0 | -.0437 | .22572 | 1.000 | -.8085 | .7210 |
| \_ \_ 0 | .3073 | .33842 | .995 | -.8253 | 1.4398 |
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| 1 0 0 | -.2214 | .20330 | .983 | -.9025 | .4597 |
| 1 1 0 | -.1026 | .19721 | 1.000 | -.7657 | .5606 |
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| 2 1 0 | .0994 | .26872 | 1.000 | -.8055 | 1.0043 |
| \_ \_ 0 | .4504 | .36851 | .965 | -.7728 | 1.6735 |
| \_ \_ 1 | .0442 | .37970 | 1.000 | -1.2050 | 1.2934 |
| 1 0 0 | -.0783 | .25019 | 1.000 | -.9210 | .7644 |
| 1 1 0 | .0406 | .24527 | 1.000 | -.7885 | .8696 |
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| 2 1 0 | 1 0 1 | -.1387 | .41373 | 1.000 | -1.6950 | 1.4176 |
| 2 2 0 | .0437 | .22572 | 1.000 | -.7210 | .8085 |
| 1 1 1 | -.0994 | .26872 | 1.000 | -1.0043 | .8055 |
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| \_ \_ 1 | -.0552 | .36343 | 1.000 | -1.2515 | 1.1411 |
| 1 0 0 | -.1777 | .22473 | .998 | -.9242 | .5688 |
| 1 1 0 | -.0588 | .21923 | 1.000 | -.7889 | .6713 |
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| 0 0 0 | -.0762 | .21222 | 1.000 | -.7842 | .6318 |
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| 1 1 1 | -.0442 | .37970 | 1.000 | -1.2934 | 1.2050 |
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| 1 1 0 | -.0036 | .34644 | 1.000 | -1.1467 | 1.1395 |
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| 1 1 0 | .1189 | .19608 | 1.000 | -.5178 | .7555 |
| 0 0 1 | .0375 | .22441 | 1.000 | -.6902 | .7652 |
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| EMA | Games-Howell | 1 0 1 | 2 2 0 | .0668 | .62927 | 1.000 | -2.3262 | 2.4598 |
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| 2 1 0 | .6046 | .65906 | .993 | -1.8315 | 3.0407 |
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| 1 1 0 | -.4704 | .35890 | .944 | -1.6860 | .7451 |
| 0 0 1 | -1.3201\* | .39454 | .048 | -2.6336 | -.0065 |
| 0 0 0 | -.4942 | .33998 | .899 | -1.6613 | .6728 |
| \_ \_ 0 | 1 0 1 | .2551 | .60987 | 1.000 | -2.1124 | 2.6227 |
| 2 2 0 | .3219 | .30826 | .986 | -.7332 | 1.3770 |
| 1 1 1 | .2627 | .34480 | .999 | -.9055 | 1.4309 |
| 2 1 0 | .8598 | .36525 | .383 | -.3749 | 2.0944 |
| \_ \_ 1 | -1.0183\* | .30038 | .036 | -2.0001 | -.0366 |
| 1 0 0 | .3991 | .24968 | .844 | -.4184 | 1.2165 |
| 1 1 0 | .3893 | .25765 | .883 | -.4527 | 1.2314 |
| 0 0 1 | -.4603 | .30535 | .885 | -1.4541 | .5335 |
| 0 0 0 | .3656 | .23057 | .850 | -.3909 | 1.1220 |
| \_ \_ 1 | 1 0 1 | 1.2735 | .62545 | .593 | -1.1089 | 3.6558 |
| 2 2 0 | 1.3403\* | .33804 | .010 | .2045 | 2.4761 |
| 1 1 1 | 1.2810\* | .37166 | .038 | .0391 | 2.5230 |
| 2 1 0 | 1.8781\* | .39071 | .001 | .5737 | 3.1826 |
| \_ \_ 0 | 1.0183\* | .30038 | .036 | .0366 | 2.0001 |
| 1 0 0 | 1.4174\* | .28564 | .000 | .4851 | 2.3497 |
| 1 1 0 | 1.4077\* | .29263 | .000 | .4540 | 2.3614 |
| 0 0 1 | .5581 | .33539 | .812 | -.5303 | 1.6464 |
| 0 0 0 | 1.3839\* | .26909 | .000 | .5033 | 2.2645 |
| 1 0 0 | 1 0 1 | -.1439 | .60274 | 1.000 | -2.5058 | 2.2180 |
| 2 2 0 | -.0771 | .29391 | 1.000 | -1.0920 | .9378 |
| 1 1 1 | -.1364 | .33203 | 1.000 | -1.2686 | .9958 |
| 2 1 0 | .4607 | .35322 | .945 | -.7402 | 1.6617 |
| \_ \_ 0 | -.3991 | .24968 | .844 | -1.2165 | .4184 |
| \_ \_ 1 | -1.4174\* | .28564 | .000 | -2.3497 | -.4851 |
| 1 1 0 | -.0097 | .24029 | 1.000 | -.7898 | .7704 |
| 0 0 1 | -.8593 | .29086 | .107 | -1.8042 | .0855 |
| 0 0 0 | -.0335 | .21100 | 1.000 | -.7166 | .6495 |
| 1 1 0 | 1 0 1 | -.1342 | .60608 | 1.000 | -2.4983 | 2.2299 |
| 2 2 0 | -.0674 | .30071 | 1.000 | -1.0992 | .9644 |
| 1 1 1 | -.1267 | .33806 | 1.000 | -1.2744 | 1.0210 |
| 2 1 0 | .4704 | .35890 | .944 | -.7451 | 1.6860 |
| \_ \_ 0 | -.3893 | .25765 | .883 | -1.2314 | .4527 |
| \_ \_ 1 | -1.4077\* | .29263 | .000 | -2.3614 | -.4540 |
| 1 0 0 | .0097 | .24029 | 1.000 | -.7704 | .7898 |
| 0 0 1 | -.8496 | .29773 | .135 | -1.8158 | .1165 |
| 0 0 0 | -.0238 | .22037 | 1.000 | -.7376 | .6900 |
| 0 0 1 | 1 0 1 | .7154 | .62785 | .970 | -1.6691 | 3.0999 |
| 2 2 0 | .7822 | .34246 | .421 | -.3634 | 1.9279 |
| 1 1 1 | .7230 | .37569 | .653 | -.5284 | 1.9743 |
| 2 1 0 | 1.3201\* | .39454 | .048 | .0065 | 2.6336 |
| \_ \_ 0 | .4603 | .30535 | .885 | -.5335 | 1.4541 |
| \_ \_ 1 | -.5581 | .33539 | .812 | -1.6464 | .5303 |
| 1 0 0 | .8593 | .29086 | .107 | -.0855 | 1.8042 |
| 1 1 0 | .8496 | .29773 | .135 | -.1165 | 1.8158 |
| 0 0 0 | .8258 | .27463 | .095 | -.0676 | 1.7193 |
| 0 0 0 | 1 0 1 | -.1104 | .59508 | 1.000 | -2.4678 | 2.2470 |
| 2 2 0 | -.0436 | .27785 | 1.000 | -1.0194 | .9322 |
| 1 1 1 | -.1029 | .31791 | 1.000 | -1.1991 | .9934 |
| 2 1 0 | .4942 | .33998 | .899 | -.6728 | 1.6613 |
| \_ \_ 0 | -.3656 | .23057 | .850 | -1.1220 | .3909 |
| \_ \_ 1 | -1.3839\* | .26909 | .000 | -2.2645 | -.5033 |
| 1 0 0 | .0335 | .21100 | 1.000 | -.6495 | .7166 |
| 1 1 0 | .0238 | .22037 | 1.000 | -.6900 | .7376 |
| 0 0 1 | -.8258 | .27463 | .095 | -1.7193 | .0676 |
| Marb | Games-Howell | 1 0 1 | 2 2 0 | -.1667 | .40753 | 1.000 | -1.7639 | 1.4305 |
| 1 1 1 | -.3376 | .42329 | .997 | -1.9504 | 1.2752 |
| 2 1 0 | -.1335 | .40709 | 1.000 | -1.7298 | 1.4629 |
| \_ \_ 0 | .1144 | .43160 | 1.000 | -1.5075 | 1.7362 |
| \_ \_ 1 | .2891 | .42467 | .999 | -1.3230 | 1.9013 |
| 1 0 0 | -.0895 | .40242 | 1.000 | -1.6827 | 1.5038 |
| 1 1 0 | -.2134 | .40545 | 1.000 | -1.8082 | 1.3815 |
| 0 0 1 | -.0912 | .41094 | 1.000 | -1.6897 | 1.5073 |
| 0 0 0 | -.3658 | .39689 | .991 | -1.9570 | 1.2254 |
| 2 2 0 | 1 0 1 | .1667 | .40753 | 1.000 | -1.4305 | 1.7639 |
| 1 1 1 | -.1709 | .19491 | .996 | -.8358 | .4940 |
| 2 1 0 | .0332 | .15666 | 1.000 | -.4995 | .5660 |
| \_ \_ 0 | .2811 | .21235 | .942 | -.4272 | .9893 |
| \_ \_ 1 | .4558 | .19789 | .404 | -.1984 | 1.1100 |
| 1 0 0 | .0772 | .14409 | 1.000 | -.4122 | .5666 |
| 1 1 0 | -.0467 | .15234 | 1.000 | -.5589 | .4655 |
| 0 0 1 | .0755 | .16641 | 1.000 | -.4774 | .6283 |
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| 2 1 0 | .2041 | .19400 | .986 | -.4538 | .8621 |
| \_ \_ 0 | .4520 | .24122 | .686 | -.3487 | 1.2526 |
| \_ \_ 1 | .6267 | .22859 | .185 | -.1296 | 1.3831 |
| 1 0 0 | .2481 | .18400 | .933 | -.3791 | .8753 |
| 1 1 0 | .1242 | .19053 | 1.000 | -.5201 | .7685 |
| 0 0 1 | .2464 | .20195 | .965 | -.4291 | .9218 |
| 0 0 0 | -.0282 | .17155 | 1.000 | -.6249 | .5685 |
| 2 1 0 | 1 0 1 | .1335 | .40709 | 1.000 | -1.4629 | 1.7298 |
| 2 2 0 | -.0332 | .15666 | 1.000 | -.5660 | .4995 |
| 1 1 1 | -.2041 | .19400 | .986 | -.8621 | .4538 |
| \_ \_ 0 | .2478 | .21152 | .973 | -.4546 | .9502 |
| \_ \_ 1 | .4226 | .19699 | .504 | -.2247 | 1.0699 |
| 1 0 0 | .0440 | .14286 | 1.000 | -.4304 | .5184 |
| 1 1 0 | -.0799 | .15118 | 1.000 | -.5792 | .4193 |
| 0 0 1 | .0422 | .16534 | 1.000 | -.5002 | .5846 |
| 0 0 0 | -.2323 | .12643 | .708 | -.6597 | .1950 |
| \_ \_ 0 | 1 0 1 | -.1144 | .43160 | 1.000 | -1.7362 | 1.5075 |
| 2 2 0 | -.2811 | .21235 | .942 | -.9893 | .4272 |
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| \_ \_ 1 | .1748 | .24363 | .999 | -.6229 | .9725 |
| 1 0 0 | -.2039 | .20238 | .990 | -.8770 | .4693 |
| 1 1 0 | -.3278 | .20834 | .854 | -1.0178 | .3622 |
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| \_ \_ 1 | 1 0 1 | -.2891 | .42467 | .999 | -1.9013 | 1.3230 |
| 2 2 0 | -.4558 | .19789 | .404 | -1.1100 | .1984 |
| 1 1 1 | -.6267 | .22859 | .185 | -1.3831 | .1296 |
| 2 1 0 | -.4226 | .19699 | .504 | -1.0699 | .2247 |
| \_ \_ 0 | -.1748 | .24363 | .999 | -.9725 | .6229 |
| 1 0 0 | -.3786 | .18715 | .587 | -.9924 | .2351 |
| 1 1 0 | -.5025 | .19357 | .239 | -1.1354 | .1304 |
| 0 0 1 | -.3804 | .20483 | .697 | -1.0474 | .2867 |
| 0 0 0 | -.6549\* | .17493 | .015 | -1.2330 | -.0769 |
| 1 0 0 | 1 0 1 | .0895 | .40242 | 1.000 | -1.5038 | 1.6827 |
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| 1 1 1 | -.2481 | .18400 | .933 | -.8753 | .3791 |
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| 1 1 0 | -.1239 | .13810 | .996 | -.5723 | .3245 |
| 0 0 1 | -.0017 | .15348 | 1.000 | -.4999 | .4964 |
| 0 0 0 | -.2763 | .11046 | .283 | -.6353 | .0827 |
| 1 1 0 | 1 0 1 | .2134 | .40545 | 1.000 | -1.3815 | 1.8082 |
| 2 2 0 | .0467 | .15234 | 1.000 | -.4655 | .5589 |
| 1 1 1 | -.1242 | .19053 | 1.000 | -.7685 | .5201 |
| 2 1 0 | .0799 | .15118 | 1.000 | -.4193 | .5792 |
| \_ \_ 0 | .3278 | .20834 | .854 | -.3622 | 1.0178 |
| \_ \_ 1 | .5025 | .19357 | .239 | -.1304 | 1.1354 |
| 1 0 0 | .1239 | .13810 | .996 | -.3245 | .5723 |
| 0 0 1 | .1222 | .16125 | .999 | -.4005 | .6448 |
| 0 0 0 | -.1524 | .12103 | .960 | -.5465 | .2417 |
| 0 0 1 | 1 0 1 | .0912 | .41094 | 1.000 | -1.5073 | 1.6897 |
| 2 2 0 | -.0755 | .16641 | 1.000 | -.6283 | .4774 |
| 1 1 1 | -.2464 | .20195 | .965 | -.9218 | .4291 |
| 2 1 0 | -.0422 | .16534 | 1.000 | -.5846 | .5002 |
| \_ \_ 0 | .2056 | .21884 | .994 | -.5148 | .9259 |
| \_ \_ 1 | .3804 | .20483 | .697 | -.2867 | 1.0474 |
| 1 0 0 | .0017 | .15348 | 1.000 | -.4964 | .4999 |
| 1 1 0 | -.1222 | .16125 | .999 | -.6448 | .4005 |
| 0 0 0 | -.2746 | .13832 | .612 | -.7254 | .1763 |
| 0 0 0 | 1 0 1 | .3658 | .39689 | .991 | -1.2254 | 1.9570 |
| 2 2 0 | .1991 | .12782 | .854 | -.2488 | .6469 |
| 1 1 1 | .0282 | .17155 | 1.000 | -.5685 | .6249 |
| 2 1 0 | .2323 | .12643 | .708 | -.1950 | .6597 |
| \_ \_ 0 | .4801 | .19114 | .295 | -.1623 | 1.1226 |
| \_ \_ 1 | .6549\* | .17493 | .015 | .0769 | 1.2330 |
| 1 0 0 | .2763 | .11046 | .283 | -.0827 | .6353 |
| 1 1 0 | .1524 | .12103 | .960 | -.2417 | .5465 |
| 0 0 1 | .2746 | .13832 | .612 | -.1763 | .7254 |
| afc\_ebv | Games-Howell | 1 0 1 | 2 2 0 | -4.2110 | 3.09717 | .925 | -15.2290 | 6.8070 |
| 1 1 1 | -.5517 | 3.04243 | 1.000 | -11.3387 | 10.2353 |
| 2 1 0 | -1.2862 | 2.79708 | 1.000 | -11.4838 | 8.9114 |
| \_ \_ 0 | .7956 | 2.86274 | 1.000 | -9.5061 | 11.0973 |
| \_ \_ 1 | -2.8819 | 2.78588 | .985 | -13.0178 | 7.2540 |
| 1 0 0 | -1.4142 | 2.61860 | 1.000 | -11.2850 | 8.4567 |
| 1 1 0 | -.7189 | 2.69805 | 1.000 | -10.7020 | 9.2641 |
| 0 0 1 | -4.5705 | 2.59846 | .748 | -14.4148 | 5.2737 |
| 0 0 0 | -1.5185 | 2.56556 | 1.000 | -11.3226 | 8.2856 |
| 2 2 0 | 1 0 1 | 4.2110 | 3.09717 | .925 | -6.8070 | 15.2290 |
| 1 1 1 | 3.6593 | 2.72133 | .934 | -5.6307 | 12.9494 |
| 2 1 0 | 2.9248 | 2.44396 | .966 | -5.5092 | 11.3589 |
| \_ \_ 0 | 5.0066 | 2.51883 | .613 | -3.5927 | 13.6059 |
| \_ \_ 1 | 1.3291 | 2.43113 | 1.000 | -7.0132 | 9.6714 |
| 1 0 0 | 2.7969 | 2.23748 | .954 | -5.0765 | 10.6702 |
| 1 1 0 | 3.4921 | 2.32996 | .880 | -4.5927 | 11.5769 |
| 0 0 1 | -.3595 | 2.21387 | 1.000 | -8.1792 | 7.4601 |
| 0 0 0 | 2.6925 | 2.17516 | .956 | -5.0418 | 10.4268 |
| 1 1 1 | 1 0 1 | .5517 | 3.04243 | 1.000 | -10.2353 | 11.3387 |
| 2 2 0 | -3.6593 | 2.72133 | .934 | -12.9494 | 5.6307 |
| 2 1 0 | -.7345 | 2.37420 | 1.000 | -8.7512 | 7.2822 |
| \_ \_ 0 | 1.3473 | 2.45121 | 1.000 | -6.8566 | 9.5512 |
| \_ \_ 1 | -2.3302 | 2.36099 | .991 | -10.2466 | 5.5862 |
| 1 0 0 | -.8625 | 2.16107 | 1.000 | -8.2321 | 6.5071 |
| 1 1 0 | -.1672 | 2.25668 | 1.000 | -7.7879 | 7.4534 |
| 0 0 1 | -4.0188 | 2.13662 | .681 | -11.3235 | 3.2858 |
| 0 0 0 | -.9668 | 2.09648 | 1.000 | -8.1668 | 6.2331 |
| 2 1 0 | 1 0 1 | 1.2862 | 2.79708 | 1.000 | -8.9114 | 11.4838 |
| 2 2 0 | -2.9248 | 2.44396 | .966 | -11.3589 | 5.5092 |
| 1 1 1 | .7345 | 2.37420 | 1.000 | -7.2822 | 8.7512 |
| \_ \_ 0 | 2.0818 | 2.13909 | .993 | -5.0039 | 9.1675 |
| \_ \_ 1 | -1.5957 | 2.03509 | .999 | -8.3164 | 5.1249 |
| 1 0 0 | -.1280 | 1.79931 | 1.000 | -6.1373 | 5.8814 |
| 1 1 0 | .5673 | 1.91309 | 1.000 | -5.7730 | 6.9075 |
| 0 0 1 | -3.2844 | 1.76987 | .697 | -9.2053 | 2.6366 |
| 0 0 0 | -.2323 | 1.72120 | 1.000 | -6.0085 | 5.5438 |
| \_ \_ 0 | 1 0 1 | -.7956 | 2.86274 | 1.000 | -11.0973 | 9.5061 |
| 2 2 0 | -5.0066 | 2.51883 | .613 | -13.6059 | 3.5927 |
| 1 1 1 | -1.3473 | 2.45121 | 1.000 | -9.5512 | 6.8566 |
| 2 1 0 | -2.0818 | 2.13909 | .993 | -9.1675 | 5.0039 |
| \_ \_ 1 | -3.6775 | 2.12442 | .774 | -10.6328 | 3.2778 |
| 1 0 0 | -2.2098 | 1.89976 | .975 | -8.4696 | 4.0501 |
| 1 1 0 | -1.5145 | 2.00786 | .999 | -8.0993 | 5.0703 |
| 0 0 1 | -5.3662 | 1.87190 | .141 | -11.5395 | .8072 |
| 0 0 0 | -2.3141 | 1.82595 | .957 | -8.3457 | 3.7174 |
| \_ \_ 1 | 1 0 1 | 2.8819 | 2.78588 | .985 | -7.2540 | 13.0178 |
| 2 2 0 | -1.3291 | 2.43113 | 1.000 | -9.6714 | 7.0132 |
| 1 1 1 | 2.3302 | 2.36099 | .991 | -5.5862 | 10.2466 |
| 2 1 0 | 1.5957 | 2.03509 | .999 | -5.1249 | 8.3164 |
| \_ \_ 0 | 3.6775 | 2.12442 | .774 | -3.2778 | 10.6328 |
| 1 0 0 | 1.4677 | 1.78185 | .998 | -4.3419 | 7.2774 |
| 1 1 0 | 2.1630 | 1.89667 | .979 | -4.0059 | 8.3318 |
| 0 0 1 | -1.6886 | 1.75211 | .993 | -7.4013 | 4.0240 |
| 0 0 0 | 1.3634 | 1.70293 | .998 | -4.1891 | 6.9159 |
| 1 0 0 | 1 0 1 | 1.4142 | 2.61860 | 1.000 | -8.4567 | 11.2850 |
| 2 2 0 | -2.7969 | 2.23748 | .954 | -10.6702 | 5.0765 |
| 1 1 1 | .8625 | 2.16107 | 1.000 | -6.5071 | 8.2321 |
| 2 1 0 | .1280 | 1.79931 | 1.000 | -5.8814 | 6.1373 |
| \_ \_ 0 | 2.2098 | 1.89976 | .975 | -4.0501 | 8.4696 |
| \_ \_ 1 | -1.4677 | 1.78185 | .998 | -7.2774 | 4.3419 |
| 1 1 0 | .6953 | 1.64113 | 1.000 | -4.6348 | 6.0253 |
| 0 0 1 | -3.1564 | 1.47168 | .502 | -7.9290 | 1.6163 |
| 0 0 0 | -.1044 | 1.41277 | 1.000 | -4.6713 | 4.4626 |
| 1 1 0 | 1 0 1 | .7189 | 2.69805 | 1.000 | -9.2641 | 10.7020 |
| 2 2 0 | -3.4921 | 2.32996 | .880 | -11.5769 | 4.5927 |
| 1 1 1 | .1672 | 2.25668 | 1.000 | -7.4534 | 7.7879 |
| 2 1 0 | -.5673 | 1.91309 | 1.000 | -6.9075 | 5.7730 |
| \_ \_ 0 | 1.5145 | 2.00786 | .999 | -5.0703 | 8.0993 |
| \_ \_ 1 | -2.1630 | 1.89667 | .979 | -8.3318 | 4.0059 |
| 1 0 0 | -.6953 | 1.64113 | 1.000 | -6.0253 | 4.6348 |
| 0 0 1 | -3.8516 | 1.60880 | .342 | -9.0725 | 1.3693 |
| 0 0 0 | -.7996 | 1.55509 | 1.000 | -5.8388 | 4.2396 |
| 0 0 1 | 1 0 1 | 4.5705 | 2.59846 | .748 | -5.2737 | 14.4148 |
| 2 2 0 | .3595 | 2.21387 | 1.000 | -7.4601 | 8.1792 |
| 1 1 1 | 4.0188 | 2.13662 | .681 | -3.2858 | 11.3235 |
| 2 1 0 | 3.2844 | 1.76987 | .697 | -2.6366 | 9.2053 |
| \_ \_ 0 | 5.3662 | 1.87190 | .141 | -.8072 | 11.5395 |
| \_ \_ 1 | 1.6886 | 1.75211 | .993 | -4.0240 | 7.4013 |
| 1 0 0 | 3.1564 | 1.47168 | .502 | -1.6163 | 7.9290 |
| 1 1 0 | 3.8516 | 1.60880 | .342 | -1.3693 | 9.0725 |
| 0 0 0 | 3.0520 | 1.37508 | .449 | -1.3794 | 7.4835 |
| 0 0 0 | 1 0 1 | 1.5185 | 2.56556 | 1.000 | -8.2856 | 11.3226 |
| 2 2 0 | -2.6925 | 2.17516 | .956 | -10.4268 | 5.0418 |
| 1 1 1 | .9668 | 2.09648 | 1.000 | -6.2331 | 8.1668 |
| 2 1 0 | .2323 | 1.72120 | 1.000 | -5.5438 | 6.0085 |
| \_ \_ 0 | 2.3141 | 1.82595 | .957 | -3.7174 | 8.3457 |
| \_ \_ 1 | -1.3634 | 1.70293 | .998 | -6.9159 | 4.1891 |
| 1 0 0 | .1044 | 1.41277 | 1.000 | -4.4626 | 4.6713 |
| 1 1 0 | .7996 | 1.55509 | 1.000 | -4.2396 | 5.8388 |
| 0 0 1 | -3.0520 | 1.37508 | .449 | -7.4835 | 1.3794 |
| icp\_ebv | Games-Howell | 1 0 1 | 2 2 0 | -.9699 | .88364 | .980 | -4.0775 | 2.1377 |
| 1 1 1 | -.1230 | .78971 | 1.000 | -2.9259 | 2.6800 |
| 2 1 0 | -.8274 | .78062 | .983 | -3.6025 | 1.9478 |
| \_ \_ 0 | -1.0183 | .75012 | .925 | -3.7116 | 1.6751 |
| \_ \_ 1 | -1.2129 | .72981 | .801 | -3.8615 | 1.4357 |
| 1 0 0 | -1.0617 | .69272 | .858 | -3.6482 | 1.5247 |
| 1 1 0 | -1.0906 | .68893 | .835 | -3.6716 | 1.4903 |
| 0 0 1 | -.8236 | .67961 | .957 | -3.3921 | 1.7449 |
| 0 0 0 | -.9401 | .67030 | .905 | -3.4970 | 1.6167 |
| 2 2 0 | 1 0 1 | .9699 | .88364 | .980 | -2.1377 | 4.0775 |
| 1 1 1 | .8469 | .79196 | .984 | -1.8823 | 3.5762 |
| 2 1 0 | .1426 | .78289 | 1.000 | -2.5560 | 2.8412 |
| \_ \_ 0 | -.0483 | .75248 | 1.000 | -2.6542 | 2.5575 |
| \_ \_ 1 | -.2430 | .73224 | 1.000 | -2.7953 | 2.3094 |
| 1 0 0 | -.0918 | .69527 | 1.000 | -2.5619 | 2.3782 |
| 1 1 0 | -.1207 | .69150 | 1.000 | -2.5829 | 2.3415 |
| 0 0 1 | .1463 | .68222 | 1.000 | -2.2973 | 2.5899 |
| 0 0 0 | .0298 | .67294 | 1.000 | -2.3956 | 2.4551 |
| 1 1 1 | 1 0 1 | .1230 | .78971 | 1.000 | -2.6800 | 2.9259 |
| 2 2 0 | -.8469 | .79196 | .984 | -3.5762 | 1.8823 |
| 2 1 0 | -.7044 | .67509 | .987 | -2.9721 | 1.5633 |
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| 1 0 0 | -.9388 | .57117 | .817 | -2.8754 | .9979 |
| 1 1 0 | -.9677 | .56658 | .783 | -2.8919 | .9565 |
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| 2 1 0 | 1 0 1 | .8274 | .78062 | .983 | -1.9478 | 3.6025 |
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| 1 1 1 | .7044 | .67509 | .987 | -1.5633 | 2.9721 |
| \_ \_ 0 | -.1909 | .62832 | 1.000 | -2.2807 | 1.8989 |
| \_ \_ 1 | -.3855 | .60393 | 1.000 | -2.3947 | 1.6236 |
| 1 0 0 | -.2344 | .55853 | 1.000 | -2.1128 | 1.6440 |
| 1 1 0 | -.2633 | .55383 | 1.000 | -2.1285 | 1.6019 |
| 0 0 1 | .0038 | .54220 | 1.000 | -1.8296 | 1.8372 |
| 0 0 0 | -.1128 | .53047 | 1.000 | -1.9139 | 1.6884 |
| \_ \_ 0 | 1 0 1 | 1.0183 | .75012 | .925 | -1.6751 | 3.7116 |
| 2 2 0 | .0483 | .75248 | 1.000 | -2.5575 | 2.6542 |
| 1 1 1 | .8953 | .63958 | .920 | -1.2429 | 3.0334 |
| 2 1 0 | .1909 | .62832 | 1.000 | -1.8989 | 2.2807 |
| \_ \_ 1 | -.1946 | .56395 | 1.000 | -2.0409 | 1.6517 |
| 1 0 0 | -.0435 | .51504 | 1.000 | -1.7373 | 1.6503 |
| 1 1 0 | -.0724 | .50994 | 1.000 | -1.7504 | 1.6056 |
| 0 0 1 | .1947 | .49728 | 1.000 | -1.4450 | 1.8344 |
| 0 0 0 | .0781 | .48447 | 1.000 | -1.5221 | 1.6784 |
| \_ \_ 1 | 1 0 1 | 1.2129 | .72981 | .801 | -1.4357 | 3.8615 |
| 2 2 0 | .2430 | .73224 | 1.000 | -2.3094 | 2.7953 |
| 1 1 1 | 1.0899 | .61564 | .749 | -.9710 | 3.1508 |
| 2 1 0 | .3855 | .60393 | 1.000 | -1.6236 | 2.3947 |
| \_ \_ 0 | .1946 | .56395 | 1.000 | -1.6517 | 2.0409 |
| 1 0 0 | .1512 | .48499 | 1.000 | -1.4286 | 1.7309 |
| 1 1 0 | .1223 | .47957 | 1.000 | -1.4400 | 1.6845 |
| 0 0 1 | .3893 | .46608 | .998 | -1.1302 | 1.9089 |
| 0 0 0 | .2728 | .45239 | 1.000 | -1.2023 | 1.7478 |
| 1 0 0 | 1 0 1 | 1.0617 | .69272 | .858 | -1.5247 | 3.6482 |
| 2 2 0 | .0918 | .69527 | 1.000 | -2.3782 | 2.5619 |
| 1 1 1 | .9388 | .57117 | .817 | -.9979 | 2.8754 |
| 2 1 0 | .2344 | .55853 | 1.000 | -1.6440 | 2.1128 |
| \_ \_ 0 | .0435 | .51504 | 1.000 | -1.6503 | 1.7373 |
| \_ \_ 1 | -.1512 | .48499 | 1.000 | -1.7309 | 1.4286 |
| 1 1 0 | -.0289 | .42097 | 1.000 | -1.3956 | 1.3378 |
| 0 0 1 | .2382 | .40554 | 1.000 | -1.0776 | 1.5539 |
| 0 0 0 | .1216 | .38972 | 1.000 | -1.1399 | 1.3831 |
| 1 1 0 | 1 0 1 | 1.0906 | .68893 | .835 | -1.4903 | 3.6716 |
| 2 2 0 | .1207 | .69150 | 1.000 | -2.3415 | 2.5829 |
| 1 1 1 | .9677 | .56658 | .783 | -.9565 | 2.8919 |
| 2 1 0 | .2633 | .55383 | 1.000 | -1.6019 | 2.1285 |
| \_ \_ 0 | .0724 | .50994 | 1.000 | -1.6056 | 1.7504 |
| \_ \_ 1 | -.1223 | .47957 | 1.000 | -1.6845 | 1.4400 |
| 1 0 0 | .0289 | .42097 | 1.000 | -1.3378 | 1.3956 |
| 0 0 1 | .2671 | .39904 | 1.000 | -1.0264 | 1.5606 |
| 0 0 0 | .1505 | .38296 | 1.000 | -1.0873 | 1.3884 |
| 0 0 1 | 1 0 1 | .8236 | .67961 | .957 | -1.7449 | 3.3921 |
| 2 2 0 | -.1463 | .68222 | 1.000 | -2.5899 | 2.2973 |
| 1 1 1 | .7006 | .55521 | .955 | -1.1937 | 2.5949 |
| 2 1 0 | -.0038 | .54220 | 1.000 | -1.8372 | 1.8296 |
| \_ \_ 0 | -.1947 | .49728 | 1.000 | -1.8344 | 1.4450 |
| \_ \_ 1 | -.3893 | .46608 | .998 | -1.9089 | 1.1302 |
| 1 0 0 | -.2382 | .40554 | 1.000 | -1.5539 | 1.0776 |
| 1 1 0 | -.2671 | .39904 | 1.000 | -1.5606 | 1.0264 |
| 0 0 0 | -.1166 | .36593 | 1.000 | -1.2959 | 1.0628 |
| 0 0 0 | 1 0 1 | .9401 | .67030 | .905 | -1.6167 | 3.4970 |
| 2 2 0 | -.0298 | .67294 | 1.000 | -2.4551 | 2.3956 |
| 1 1 1 | .8172 | .54376 | .880 | -1.0469 | 2.6813 |
| 2 1 0 | .1128 | .53047 | 1.000 | -1.6884 | 1.9139 |
| \_ \_ 0 | -.0781 | .48447 | 1.000 | -1.6784 | 1.5221 |
| \_ \_ 1 | -.2728 | .45239 | 1.000 | -1.7478 | 1.2023 |
| 1 0 0 | -.1216 | .38972 | 1.000 | -1.3831 | 1.1399 |
| 1 1 0 | -.1505 | .38296 | 1.000 | -1.3884 | 1.0873 |
| 0 0 1 | .1166 | .36593 | 1.000 | -1.0628 | 1.2959 |
| skr\_ebv | Games-Howell | 1 0 1 | 2 2 0 | -.5449 | 3.19145 | 1.000 | -11.8591 | 10.7694 |
| 1 1 1 | 5.6365 | 2.85815 | .627 | -4.7425 | 16.0155 |
| 2 1 0 | .5060 | 2.93398 | 1.000 | -10.0303 | 11.0423 |
| \_ \_ 0 | -.0526 | 2.78919 | 1.000 | -10.2577 | 10.1526 |
| \_ \_ 1 | -2.6654 | 2.65713 | .987 | -12.6524 | 7.3217 |
| 1 0 0 | -1.1307 | 2.58977 | 1.000 | -11.0364 | 8.7750 |
| 1 1 0 | .3089 | 2.64794 | 1.000 | -9.6644 | 10.2821 |
| 0 0 1 | -.1895 | 2.63513 | 1.000 | -10.1454 | 9.7663 |
| 0 0 0 | -.4477 | 2.52350 | 1.000 | -10.2925 | 9.3971 |
| 2 2 0 | 1 0 1 | .5449 | 3.19145 | 1.000 | -10.7694 | 11.8591 |
| 1 1 1 | 6.1814 | 2.58457 | .371 | -2.7553 | 15.1180 |
| 2 1 0 | 1.0508 | 2.66819 | 1.000 | -8.1111 | 10.2128 |
| \_ \_ 0 | .4923 | 2.50811 | 1.000 | -8.1910 | 9.1756 |
| \_ \_ 1 | -2.1205 | 2.36037 | .995 | -10.4426 | 6.2016 |
| 1 0 0 | -.5858 | 2.28428 | 1.000 | -8.7486 | 7.5769 |
| 1 1 0 | .8537 | 2.35003 | 1.000 | -7.4436 | 9.1511 |
| 0 0 1 | .3553 | 2.33558 | 1.000 | -7.9096 | 8.6203 |
| 0 0 0 | .0972 | 2.20886 | 1.000 | -7.9233 | 8.1177 |
| 1 1 1 | 1 0 1 | -5.6365 | 2.85815 | .627 | -16.0155 | 4.7425 |
| 2 2 0 | -6.1814 | 2.58457 | .371 | -15.1180 | 2.7553 |
| 2 1 0 | -5.1305 | 2.25896 | .430 | -12.7160 | 2.4550 |
| \_ \_ 0 | -5.6891 | 2.06742 | .186 | -12.5858 | 1.2076 |
| \_ \_ 1 | -8.3019\* | 1.88547 | .003 | -14.6406 | -1.9631 |
| 1 0 0 | -6.7672\* | 1.78929 | .019 | -12.8414 | -.6930 |
| 1 1 0 | -5.3276 | 1.87250 | .159 | -11.6256 | .9704 |
| 0 0 1 | -5.8260 | 1.85434 | .085 | -12.0707 | .4187 |
| 0 0 0 | -6.0842\* | 1.69196 | .035 | -11.9065 | -.2619 |
| 2 1 0 | 1 0 1 | -.5060 | 2.93398 | 1.000 | -11.0423 | 10.0303 |
| 2 2 0 | -1.0508 | 2.66819 | 1.000 | -10.2128 | 8.1111 |
| 1 1 1 | 5.1305 | 2.25896 | .430 | -2.4550 | 12.7160 |
| \_ \_ 0 | -.5586 | 2.17106 | 1.000 | -7.7932 | 6.6761 |
| \_ \_ 1 | -3.1713 | 1.99856 | .846 | -9.8834 | 3.5407 |
| 1 0 0 | -1.6367 | 1.90809 | .997 | -8.1012 | 4.8278 |
| 1 1 0 | -.1971 | 1.98633 | 1.000 | -6.8715 | 6.4772 |
| 0 0 1 | -.6955 | 1.96921 | 1.000 | -7.3202 | 5.9292 |
| 0 0 0 | -.9537 | 1.81713 | 1.000 | -7.1823 | 5.2750 |
| \_ \_ 0 | 1 0 1 | .0526 | 2.78919 | 1.000 | -10.1526 | 10.2577 |
| 2 2 0 | -.4923 | 2.50811 | 1.000 | -9.1756 | 8.1910 |
| 1 1 1 | 5.6891 | 2.06742 | .186 | -1.2076 | 12.5858 |
| 2 1 0 | .5586 | 2.17106 | 1.000 | -6.6761 | 7.7932 |
| \_ \_ 1 | -2.6128 | 1.77920 | .899 | -8.4532 | 3.2276 |
| 1 0 0 | -1.0781 | 1.67695 | 1.000 | -6.6059 | 4.4496 |
| 1 1 0 | .3614 | 1.76546 | 1.000 | -5.4315 | 6.1543 |
| 0 0 1 | -.1370 | 1.74618 | 1.000 | -5.8674 | 5.5935 |
| 0 0 0 | -.3951 | 1.57267 | 1.000 | -5.6134 | 4.8232 |
| \_ \_ 1 | 1 0 1 | 2.6654 | 2.65713 | .987 | -7.3217 | 12.6524 |
| 2 2 0 | 2.1205 | 2.36037 | .995 | -6.2016 | 10.4426 |
| 1 1 1 | 8.3019\* | 1.88547 | .003 | 1.9631 | 14.6406 |
| 2 1 0 | 3.1713 | 1.99856 | .846 | -3.5407 | 9.8834 |
| \_ \_ 0 | 2.6128 | 1.77920 | .899 | -3.2276 | 8.4532 |
| 1 0 0 | 1.5347 | 1.44668 | .987 | -3.1744 | 6.2437 |
| 1 1 0 | 2.9742 | 1.54841 | .655 | -2.0578 | 8.0062 |
| 0 0 1 | 2.4758 | 1.52639 | .834 | -2.4797 | 7.4314 |
| 0 0 0 | 2.2177 | 1.32440 | .806 | -2.0989 | 6.5343 |
| 1 0 0 | 1 0 1 | 1.1307 | 2.58977 | 1.000 | -8.7750 | 11.0364 |
| 2 2 0 | .5858 | 2.28428 | 1.000 | -7.5769 | 8.7486 |
| 1 1 1 | 6.7672\* | 1.78929 | .019 | .6930 | 12.8414 |
| 2 1 0 | 1.6367 | 1.90809 | .997 | -4.8278 | 8.1012 |
| \_ \_ 0 | 1.0781 | 1.67695 | 1.000 | -4.4496 | 6.6059 |
| \_ \_ 1 | -1.5347 | 1.44668 | .987 | -6.2437 | 3.1744 |
| 1 1 0 | 1.4396 | 1.42975 | .991 | -3.2037 | 6.0828 |
| 0 0 1 | .9412 | 1.40587 | 1.000 | -3.6166 | 5.4989 |
| 0 0 0 | .6830 | 1.18348 | 1.000 | -3.1513 | 4.5174 |
| 1 1 0 | 1 0 1 | -.3089 | 2.64794 | 1.000 | -10.2821 | 9.6644 |
| 2 2 0 | -.8537 | 2.35003 | 1.000 | -9.1511 | 7.4436 |
| 1 1 1 | 5.3276 | 1.87250 | .159 | -.9704 | 11.6256 |
| 2 1 0 | .1971 | 1.98633 | 1.000 | -6.4772 | 6.8715 |
| \_ \_ 0 | -.3614 | 1.76546 | 1.000 | -6.1543 | 5.4315 |
| \_ \_ 1 | -2.9742 | 1.54841 | .655 | -8.0062 | 2.0578 |
| 1 0 0 | -1.4396 | 1.42975 | .991 | -6.0828 | 3.2037 |
| 0 0 1 | -.4984 | 1.51035 | 1.000 | -5.3929 | 4.3961 |
| 0 0 0 | -.7566 | 1.30588 | 1.000 | -4.9978 | 3.4847 |
| 0 0 1 | 1 0 1 | .1895 | 2.63513 | 1.000 | -9.7663 | 10.1454 |
| 2 2 0 | -.3553 | 2.33558 | 1.000 | -8.6203 | 7.9096 |
| 1 1 1 | 5.8260 | 1.85434 | .085 | -.4187 | 12.0707 |
| 2 1 0 | .6955 | 1.96921 | 1.000 | -5.9292 | 7.3202 |
| \_ \_ 0 | .1370 | 1.74618 | 1.000 | -5.5935 | 5.8674 |
| \_ \_ 1 | -2.4758 | 1.52639 | .834 | -7.4314 | 2.4797 |
| 1 0 0 | -.9412 | 1.40587 | 1.000 | -5.4989 | 3.6166 |
| 1 1 0 | .4984 | 1.51035 | 1.000 | -4.3961 | 5.3929 |
| 0 0 0 | -.2582 | 1.27969 | 1.000 | -4.4020 | 3.8857 |
| 0 0 0 | 1 0 1 | .4477 | 2.52350 | 1.000 | -9.3971 | 10.2925 |
| 2 2 0 | -.0972 | 2.20886 | 1.000 | -8.1177 | 7.9233 |
| 1 1 1 | 6.0842\* | 1.69196 | .035 | .2619 | 11.9065 |
| 2 1 0 | .9537 | 1.81713 | 1.000 | -5.2750 | 7.1823 |
| \_ \_ 0 | .3951 | 1.57267 | 1.000 | -4.8232 | 5.6134 |
| \_ \_ 1 | -2.2177 | 1.32440 | .806 | -6.5343 | 2.0989 |
| 1 0 0 | -.6830 | 1.18348 | 1.000 | -4.5174 | 3.1513 |
| 1 1 0 | .7566 | 1.30588 | 1.000 | -3.4847 | 4.9978 |
| 0 0 1 | .2582 | 1.27969 | 1.000 | -3.8857 | 4.4020 |
| Longevity | Games-Howell | 1 0 1 | 2 2 0 | -1.1412 | 1.78753 | 1.000 | -7.4295 | 5.1472 |
| 1 1 1 | -1.1842 | 1.72303 | .999 | -7.2062 | 4.8377 |
| 2 1 0 | -.8406 | 1.58737 | 1.000 | -6.4816 | 4.8004 |
| \_ \_ 0 | -4.1193 | 1.46983 | .215 | -9.4821 | 1.2435 |
| \_ \_ 1 | -2.4681 | 1.40668 | .751 | -7.7213 | 2.7851 |
| 1 0 0 | -2.5441 | 1.49715 | .782 | -7.9498 | 2.8617 |
| 1 1 0 | -2.9670 | 1.46896 | .599 | -8.3194 | 2.3854 |
| 0 0 1 | -3.2578 | 1.39948 | .431 | -8.4989 | 1.9833 |
| 0 0 0 | -2.6472 | 1.35249 | .638 | -7.8310 | 2.5366 |
| 2 2 0 | 1 0 1 | 1.1412 | 1.78753 | 1.000 | -5.1472 | 7.4295 |
| 1 1 1 | -.0431 | 1.72000 | 1.000 | -5.9208 | 5.8347 |
| 2 1 0 | .3006 | 1.58408 | 1.000 | -5.1557 | 5.7569 |
| \_ \_ 0 | -2.9781 | 1.46628 | .588 | -8.1061 | 2.1499 |
| \_ \_ 1 | -1.3269 | 1.40297 | .992 | -6.3090 | 3.6552 |
| 1 0 0 | -1.4029 | 1.49367 | .993 | -6.5876 | 3.7818 |
| 1 1 0 | -1.8258 | 1.46541 | .956 | -6.9433 | 3.2916 |
| 0 0 1 | -2.1166 | 1.39576 | .870 | -7.0820 | 2.8488 |
| 0 0 0 | -1.5060 | 1.34863 | .976 | -6.3802 | 3.3681 |
| 1 1 1 | 1 0 1 | 1.1842 | 1.72303 | .999 | -4.8377 | 7.2062 |
| 2 2 0 | .0431 | 1.72000 | 1.000 | -5.8347 | 5.9208 |
| 2 1 0 | .3436 | 1.51092 | 1.000 | -4.7484 | 5.4357 |
| \_ \_ 0 | -2.9351 | 1.38692 | .530 | -7.6394 | 1.7693 |
| \_ \_ 1 | -1.2838 | 1.31981 | .992 | -5.8062 | 3.2385 |
| 1 0 0 | -1.3598 | 1.41584 | .993 | -6.1336 | 3.4139 |
| 1 1 0 | -1.7828 | 1.38600 | .950 | -6.4748 | 2.9092 |
| 0 0 1 | -2.0736 | 1.31214 | .846 | -6.5746 | 2.4275 |
| 0 0 0 | -1.4630 | 1.26189 | .972 | -5.8432 | 2.9173 |
| 2 1 0 | 1 0 1 | .8406 | 1.58737 | 1.000 | -4.8004 | 6.4816 |
| 2 2 0 | -.3006 | 1.58408 | 1.000 | -5.7569 | 5.1557 |
| 1 1 1 | -.3436 | 1.51092 | 1.000 | -5.4357 | 4.7484 |
| \_ \_ 0 | -3.2787 | 1.21427 | .207 | -7.3356 | .7782 |
| \_ \_ 1 | -1.6275 | 1.13701 | .909 | -5.4534 | 2.1985 |
| 1 0 0 | -1.7035 | 1.24720 | .931 | -5.8441 | 2.4372 |
| 1 1 0 | -2.1264 | 1.21322 | .760 | -6.1657 | 1.9130 |
| 0 0 1 | -2.4172 | 1.12810 | .511 | -6.2153 | 1.3809 |
| 0 0 0 | -1.8066 | 1.06924 | .793 | -5.4478 | 1.8346 |
| \_ \_ 0 | 1 0 1 | 4.1193 | 1.46983 | .215 | -1.2435 | 9.4821 |
| 2 2 0 | 2.9781 | 1.46628 | .588 | -2.1499 | 8.1061 |
| 1 1 1 | 2.9351 | 1.38692 | .530 | -1.7693 | 7.6394 |
| 2 1 0 | 3.2787 | 1.21427 | .207 | -.7782 | 7.3356 |
| \_ \_ 1 | 1.6512 | .96615 | .786 | -1.5179 | 4.8203 |
| 1 0 0 | 1.5752 | 1.09369 | .910 | -1.9954 | 5.1458 |
| 1 1 0 | 1.1523 | 1.05478 | .984 | -2.2915 | 4.5961 |
| 0 0 1 | .8615 | .95565 | .996 | -2.2697 | 3.9927 |
| 0 0 0 | 1.4721 | .88540 | .811 | -1.4440 | 4.3882 |
| \_ \_ 1 | 1 0 1 | 2.4681 | 1.40668 | .751 | -2.7851 | 7.7213 |
| 2 2 0 | 1.3269 | 1.40297 | .992 | -3.6552 | 6.3090 |
| 1 1 1 | 1.2838 | 1.31981 | .992 | -3.2385 | 5.8062 |
| 2 1 0 | 1.6275 | 1.13701 | .909 | -2.1985 | 5.4534 |
| \_ \_ 0 | -1.6512 | .96615 | .786 | -4.8203 | 1.5179 |
| 1 0 0 | -.0760 | 1.00723 | 1.000 | -3.3553 | 3.2033 |
| 1 1 0 | -.4989 | .96483 | 1.000 | -3.6354 | 2.6375 |
| 0 0 1 | -.7897 | .85535 | .995 | -3.5662 | 1.9867 |
| 0 0 0 | -.1791 | .77607 | 1.000 | -2.6978 | 2.3395 |
| 1 0 0 | 1 0 1 | 2.5441 | 1.49715 | .782 | -2.8617 | 7.9498 |
| 2 2 0 | 1.4029 | 1.49367 | .993 | -3.7818 | 6.5876 |
| 1 1 1 | 1.3598 | 1.41584 | .993 | -3.4139 | 6.1336 |
| 2 1 0 | 1.7035 | 1.24720 | .931 | -2.4372 | 5.8441 |
| \_ \_ 0 | -1.5752 | 1.09369 | .910 | -5.1458 | 1.9954 |
| \_ \_ 1 | .0760 | 1.00723 | 1.000 | -3.2033 | 3.3553 |
| 1 1 0 | -.4229 | 1.09253 | 1.000 | -3.9704 | 3.1245 |
| 0 0 1 | -.7137 | .99716 | .999 | -3.9566 | 2.5291 |
| 0 0 0 | -.1031 | .93005 | 1.000 | -3.1363 | 2.9301 |
| 1 1 0 | 1 0 1 | 2.9670 | 1.46896 | .599 | -2.3854 | 8.3194 |
| 2 2 0 | 1.8258 | 1.46541 | .956 | -3.2916 | 6.9433 |
| 1 1 1 | 1.7828 | 1.38600 | .950 | -2.9092 | 6.4748 |
| 2 1 0 | 2.1264 | 1.21322 | .760 | -1.9130 | 6.1657 |
| \_ \_ 0 | -1.1523 | 1.05478 | .984 | -4.5961 | 2.2915 |
| \_ \_ 1 | .4989 | .96483 | 1.000 | -2.6375 | 3.6354 |
| 1 0 0 | .4229 | 1.09253 | 1.000 | -3.1245 | 3.9704 |
| 0 0 1 | -.2908 | .95432 | 1.000 | -3.3884 | 2.8068 |
| 0 0 0 | .3198 | .88396 | 1.000 | -2.5546 | 3.1942 |
| 0 0 1 | 1 0 1 | 3.2578 | 1.39948 | .431 | -1.9833 | 8.4989 |
| 2 2 0 | 2.1166 | 1.39576 | .870 | -2.8488 | 7.0820 |
| 1 1 1 | 2.0736 | 1.31214 | .846 | -2.4275 | 6.5746 |
| 2 1 0 | 2.4172 | 1.12810 | .511 | -1.3809 | 6.2153 |
| \_ \_ 0 | -.8615 | .95565 | .996 | -3.9927 | 2.2697 |
| \_ \_ 1 | .7897 | .85535 | .995 | -1.9867 | 3.5662 |
| 1 0 0 | .7137 | .99716 | .999 | -2.5291 | 3.9566 |
| 1 1 0 | .2908 | .95432 | 1.000 | -2.8068 | 3.3884 |
| 0 0 0 | .6106 | .76296 | .998 | -1.8534 | 3.0746 |
| 0 0 0 | 1 0 1 | 2.6472 | 1.35249 | .638 | -2.5366 | 7.8310 |
| 2 2 0 | 1.5060 | 1.34863 | .976 | -3.3681 | 6.3802 |
| 1 1 1 | 1.4630 | 1.26189 | .972 | -2.9173 | 5.8432 |
| 2 1 0 | 1.8066 | 1.06924 | .793 | -1.8346 | 5.4478 |
| \_ \_ 0 | -1.4721 | .88540 | .811 | -4.3882 | 1.4440 |
| \_ \_ 1 | .1791 | .77607 | 1.000 | -2.3395 | 2.6978 |
| 1 0 0 | .1031 | .93005 | 1.000 | -2.9301 | 3.1363 |
| 1 1 0 | -.3198 | .88396 | 1.000 | -3.1942 | 2.5546 |
| 0 0 1 | -.6106 | .76296 | .998 | -3.0746 | 1.8534 |

|  |
| --- |
| Based on observed means.  The error term is Mean Square(Error) = 21.291. |
| \*. The mean difference is significant at the ,05 level. |

**Homogeneous Subsets**

|  |  |  |  |
| --- | --- | --- | --- |
| *BW-dir* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | \_ \_ 0 | 31 | -.1620 |
| 1 1 1 | 19 | -.1154 |
| 0 0 0 | 95 | -.0640 |
| 1 1 0 | 46 | -.0415 |
| 2 2 0 | 14 | -.0241 |
| 1 0 0 | 44 | .0216 |
| \_ \_ 1 | 41 | .4293 |
| 2 1 0 | 21 | .5511 |
| 1 0 1 | 10 | .6534 |
| 0 0 1 | 51 | .9653 |

|  |
| --- |
| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 1.784. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Wean dir* | | | | | |
|  | Variants | N | Subset | | |
| 1 | 2 | 3 |
| Tukey Ba,b,c | 1 1 0 | 46 | 7.9595 |  |  |
| 2 2 0 | 14 | 8.2368 |  |  |
| 1 1 1 | 19 | 8.5030 |  |  |
| 1 0 0 | 44 | 8.6795 | 8.6795 |  |
| 2 1 0 | 21 | 8.9449 | 8.9449 |  |
| 0 0 0 | 95 | 9.0233 | 9.0233 |  |
| \_ \_ 0 | 31 | 10.7215 | 10.7215 | 10.7215 |
| 1 0 1 | 10 | 11.3510 | 11.3510 | 11.3510 |
| 0 0 1 | 51 |  | 13.1977 | 13.1977 |
| \_ \_ 1 | 41 |  |  | 14.5328 |

|  |
| --- |
| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 28.325. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Mature wt* | | | | |
|  | Variants | N | Subset | |
| 1 | 2 |
| Tukey Ba,b,c | 2 2 0 | 14 | 9.7655 |  |
| 1 1 0 | 46 | 9.7723 |  |
| 2 1 0 | 21 | 10.4391 | 10.4391 |
| 0 0 0 | 95 | 12.2171 | 12.2171 |
| 1 0 0 | 44 | 12.6875 | 12.6875 |
| \_ \_ 0 | 31 | 12.9263 | 12.9263 |
| 1 1 1 | 19 | 14.9239 | 14.9239 |
| 1 0 1 | 10 | 15.6503 | 15.6503 |
| \_ \_ 1 | 41 | 18.9087 | 18.9087 |
| 0 0 1 | 51 |  | 19.6737 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 118.747. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *ADG* | | | | |
|  | Variants | N | Subset | |
| 1 | 2 |
| Tukey Ba,b,c | 1 1 1 | 19 | 51.6866 |  |
| 1 1 0 | 46 | 53.0711 |  |
| 2 1 0 | 21 | 53.4288 |  |
| 2 2 0 | 14 | 57.5536 |  |
| 0 0 0 | 95 | 63.8671 |  |
| 1 0 0 | 44 | 66.2499 | 66.2499 |
| \_ \_ 0 | 31 | 77.9130 | 77.9130 |
| 1 0 1 | 10 | 82.2127 | 82.2127 |
| 0 0 1 | 51 | 82.6906 | 82.6906 |
| \_ \_ 1 | 41 |  | 108.6837 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 2570.289. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *FCR* | | | | |
|  | Variants | N | Subset | |
| 1 | 2 |
| Tukey Ba,b,c | \_ \_ 1 | 41 | -57.6713 |  |
| 1 0 1 | 10 | -49.2187 | -49.2187 |
| 0 0 1 | 51 | -47.4923 | -47.4923 |
| \_ \_ 0 | 31 | -45.2615 | -45.2615 |
| 0 0 0 | 95 | -42.1055 | -42.1055 |
| 2 1 0 | 21 | -40.6396 | -40.6396 |
| 1 0 0 | 44 | -40.6350 | -40.6350 |
| 2 2 0 | 14 | -38.9317 | -38.9317 |
| 1 1 0 | 46 | -36.4228 | -36.4228 |
| 1 1 1 | 19 |  | -33.8609 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 585.853. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *Fat* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | \_ \_ 0 | 31 | -.3569 |
| 2 2 0 | 14 | -.0496 |
| 2 1 0 | 21 | -.0059 |
| \_ \_ 1 | 41 | .0493 |
| 1 1 0 | 46 | .0529 |
| 0 0 0 | 95 | .0703 |
| 1 1 1 | 19 | .0935 |
| 1 0 1 | 10 | .1328 |
| 0 0 1 | 51 | .1342 |
| 1 0 0 | 44 | .1718 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 1.613. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *EMA* | | | | | |
|  | Variants | N | Subset | | |
| 1 | 2 | 3 |
| Tukey Ba,b,c | 2 1 0 | 21 | .2932 |  |  |
| 1 0 0 | 44 | .7539 | .7539 |  |
| 1 1 0 | 46 | .7636 | .7636 |  |
| 0 0 0 | 95 | .7874 | .7874 |  |
| 2 2 0 | 14 | .8310 | .8310 |  |
| 1 1 1 | 19 | .8903 | .8903 |  |
| 1 0 1 | 10 | .8978 | .8978 |  |
| \_ \_ 0 | 31 | 1.1529 | 1.1529 | 1.1529 |
| 0 0 1 | 51 |  | 1.6132 | 1.6132 |
| \_ \_ 1 | 41 |  |  | 2.1713 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 1.805. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *Marb* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | \_ \_ 1 | 41 | -.2518 |
| \_ \_ 0 | 31 | -.0771 |
| 1 0 1 | 10 | .0373 |
| 1 0 0 | 44 | .1268 |
| 0 0 1 | 51 | .1285 |
| 2 1 0 | 21 | .1708 |
| 2 2 0 | 14 | .2040 |
| 1 1 0 | 46 | .2507 |
| 1 1 1 | 19 | .3749 |
| 0 0 0 | 95 | .4031 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = .596. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *afc\_ebv* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | \_ \_ 0 | 31 | -4.2318 |
| 1 0 1 | 10 | -3.4362 |
| 1 1 1 | 19 | -2.8845 |
| 1 1 0 | 46 | -2.7173 |
| 2 1 0 | 21 | -2.1500 |
| 1 0 0 | 44 | -2.0220 |
| 0 0 0 | 95 | -1.9176 |
| \_ \_ 1 | 41 | -.5543 |
| 2 2 0 | 14 | .7749 |
| 0 0 1 | 51 | 1.1344 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 68.069. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *icp\_ebv* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | 1 0 1 | 10 | -2.8289 |
| 1 1 1 | 19 | -2.7059 |
| 0 0 1 | 51 | -2.0053 |
| 2 1 0 | 21 | -2.0015 |
| 0 0 0 | 95 | -1.8888 |
| 2 2 0 | 14 | -1.8590 |
| \_ \_ 0 | 31 | -1.8106 |
| 1 0 0 | 44 | -1.7672 |
| 1 1 0 | 46 | -1.7383 |
| \_ \_ 1 | 41 | -1.6160 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 4.852. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *skr\_ebv* | | | | |
|  | Variants | N | Subset | |
| 1 | 2 |
| Tukey Ba,b,c | 1 1 1 | 19 | 6.4164 |  |
| 2 1 0 | 21 | 11.5469 | 11.5469 |
| 1 1 0 | 46 | 11.7440 | 11.7440 |
| 1 0 1 | 10 | 12.0529 | 12.0529 |
| \_ \_ 0 | 31 | 12.1054 | 12.1054 |
| 0 0 1 | 51 | 12.2424 | 12.2424 |
| 0 0 0 | 95 | 12.5006 | 12.5006 |
| 2 2 0 | 14 | 12.5977 | 12.5977 |
| 1 0 0 | 44 |  | 13.1836 |
| \_ \_ 1 | 41 |  | 14.7182 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 51.740. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |

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| *Longevity* | | | |
|  | Variants | N | Subset |
| 1 |
| Tukey Ba,b,c | 1 0 1 | 10 | 22.2332 |
| 2 1 0 | 21 | 23.0738 |
| 2 2 0 | 14 | 23.3744 |
| 1 1 1 | 19 | 23.4174 |
| \_ \_ 1 | 41 | 24.7013 |
| 1 0 0 | 44 | 24.7773 |
| 0 0 0 | 95 | 24.8804 |
| 1 1 0 | 46 | 25.2002 |
| 0 0 1 | 51 | 25.4910 |
| \_ \_ 0 | 31 | 26.3525 |

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| Means for groups in homogeneous subsets are displayed.  Based on observed means.  The error term is Mean Square(Error) = 21.291. |
| a. Uses Harmonic Mean Sample Size = 24.818. |
| b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed. |
| c. Alpha = ,05. |