The REG Procedure
Model: MODEL1
Dependent Variable: Y_cont_noint

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 3 | 51.16269 | 17.05423 | 17.63 | <.0001 |
| Error | 996 | 963.29955 | 0.96717 | | |
| Corrected Total | 999 | 1014.46223 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 0.98345 | R-Square | 0.0504 |
| Dependent Mean | -3.07165 | Adj R-Sq | 0.0476 |
| Coeff Var | -32.01694 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -3.24076 | 0.05199 | -62.34 | <.0001 |
| A | 1 | 0.10778 | 0.06309 | 1.71 | 0.0879 |
| M_cont | 1 | 0.15837 | 0.02968 | 5.34 | <.0001 |
| C | 1 | 0.10903 | 0.03078 | 3.54 | 0.0004 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24076 | 0.10778 | 0.15837 | 0.10903 |
| 2 | 0.00270 | -0.00172 | 0.00016 | -0.00098 |
| 3 | -0.00172 | 0.00398 | -0.00015 | 0.00004 |
| 4 | 0.00016 | -0.00015 | 0.00088 | -0.00015 |
| 5 | -0.00098 | 0.00004 | -0.00015 | 0.00095 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 36.70777 | 18.35388 | 16.67 | <.0001 |
| Error | 997 | 1097.64333 | 1.10095 | | |
| Corrected Total | 999 | 1134.35110 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04926 | R-Square | 0.0324 |
| Dependent Mean | 0.06887 | Adj R-Sq | 0.0304 |
| Coeff Var | 1523.46932 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17686 | 0.05518 | -3.20 | 0.0014 |
| A | 1 | 0.16769 | 0.06710 | 2.50 | 0.0126 |
| C | 1 | 0.16923 | 0.03240 | 5.22 | <.0001 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.17686 | 0.16769 | 0.16923 |
| 2 | 0.00305 | -0.00193 | -0.00109 |
| 3 | -0.00193 | 0.00450 | 0.00002 |
| 4 | -0.00109 | 0.00002 | 0.00105 |

| Obs | Effect | Estimate | s_e_ | p_value | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|---|
| 1 | cde=nde | 0.10778 | 0.063089 | 0.087557 | -0.015872 | 0.23144 |
| 2 | nie | 0.02656 | 0.011735 | 0.023629 | 0.003557 | 0.04956 |
| 3 | total effect | 0.13434 | 0.063784 | 0.035188 | 0.009325 | 0.25936 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.30296 | 0.091570 | 0.19621 | 0.15759 |
| 2 | 0.00274 | -0.001793 | 0.00017 | -0.00098 |
| 3 | -0.00179 | 0.003999 | -0.00020 | 0.00009 |
| 4 | 0.00017 | -0.000202 | 0.00086 | -0.00014 |
| 5 | -0.00098 | 0.000094 | -0.00014 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.19350 | 0.23407 | 0.16697 |
| 2 | 0.00315 | -0.00204 | -0.00111 |
| 3 | -0.00204 | 0.00459 | 0.00007 |
| 4 | -0.00111 | 0.00007 | 0.00104 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22849 | 0.095955 | 0.16910 | 0.13326 |
| 2 | 0.00269 | -0.001779 | 0.00012 | -0.00097 |
| 3 | -0.00178 | 0.004120 | -0.00013 | 0.00010 |
| 4 | 0.00012 | -0.000134 | 0.00093 | -0.00014 |
| 5 | -0.00097 | 0.000099 | -0.00014 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12616 | 0.14389 | 0.14949 |
| 2 | 0.00288 | -0.00190 | -0.00102 |
| 3 | -0.00190 | 0.00441 | 0.00009 |
| 4 | -0.00102 | 0.00009 | 0.00097 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.25356 | 0.074538 | 0.12597 | 0.17841 |
| 2 | 0.00253 | -0.001699 | 0.00011 | -0.00088 |
| 3 | -0.00170 | 0.003730 | -0.00005 | 0.00005 |
| 4 | 0.00011 | -0.000045 | 0.00086 | -0.00017 |
| 5 | -0.00088 | 0.000051 | -0.00017 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.13254 | 0.052241 | 0.19276 |
| 2 | 0.00292 | -0.001965 | -0.00100 |
| 3 | -0.00197 | 0.004327 | 0.00005 |
| 4 | -0.00100 | 0.000049 | 0.00099 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22028 | 0.033872 | 0.11432 | 0.12244 |
| 2 | 0.00266 | -0.001713 | 0.00020 | -0.00101 |
| 3 | -0.00171 | 0.003821 | -0.00021 | 0.00008 |
| 4 | 0.00020 | -0.000214 | 0.00081 | -0.00016 |
| 5 | -0.00101 | 0.000076 | -0.00016 | 0.00100 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25252 | 0.26556 | 0.20009 |
| 2 | 0.00323 | -0.00206 | -0.00121 |
| 3 | -0.00206 | 0.00467 | 0.00004 |
| 4 | -0.00121 | 0.00004 | 0.00120 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.21211 | 0.032666 | 0.078985 | 0.10030 |
| 2 | 0.00250 | -0.001589 | 0.000125 | -0.00091 |
| 3 | -0.00159 | 0.003943 | -0.000206 | -0.00003 |
| 4 | 0.00012 | -0.000206 | 0.000842 | -0.00011 |
| 5 | -0.00091 | -0.000025 | -0.000113 | 0.00093 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.14831 | 0.24493 | 0.13475 |
| 2 | 0.00295 | -0.00186 | -0.00106 |
| 3 | -0.00186 | 0.00464 | -0.00006 |
| 4 | -0.00106 | -0.00006 | 0.00109 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.26027 | 0.044495 | 0.16295 | 0.14749 |
| 2 | 0.00306 | -0.001869 | 0.00011 | -0.00115 |
| 3 | -0.00187 | 0.004218 | -0.00001 | 0.00002 |
| 4 | 0.00011 | -0.000013 | 0.00090 | -0.00013 |
| 5 | -0.00115 | 0.000017 | -0.00013 | 0.00110 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.11822 | 0.013984 | 0.14883 |
| 2 | 0.00339 | -0.002076 | -0.00126 |
| 3 | -0.00208 | 0.004687 | 0.00002 |
| 4 | -0.00126 | 0.000017 | 0.00120 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27193 | 0.11380 | 0.13020 | 0.11603 |
| 2 | 0.00291 | -0.00189 | 0.00010 | -0.00103 |
| 3 | -0.00189 | 0.00413 | -0.00009 | 0.00007 |
| 4 | 0.00010 | -0.00009 | 0.00098 | -0.00014 |
| 5 | -0.00103 | 0.00007 | -0.00014 | 0.00098 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.10492 | 0.093795 | 0.14735 |
| 2 | 0.00298 | -0.001934 | -0.00104 |
| 3 | -0.00193 | 0.004238 | 0.00006 |
| 4 | -0.00104 | 0.000059 | 0.00099 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.25847 | 0.093315 | 0.12246 | 0.15008 |
| 2 | 0.00302 | -0.001957 | 0.00023 | -0.00108 |
| 3 | -0.00196 | 0.004116 | -0.00021 | 0.00008 |
| 4 | 0.00023 | -0.000209 | 0.00091 | -0.00016 |
| 5 | -0.00108 | 0.000084 | -0.00016 | 0.00099 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25503 | 0.22962 | 0.18087 |
| 2 | 0.00327 | -0.00210 | -0.00114 |
| 3 | -0.00210 | 0.00449 | 0.00005 |
| 4 | -0.00114 | 0.00005 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27226 | 0.073759 | 0.18799 | 0.10506 |
| 2 | 0.00267 | -0.001709 | 0.00009 | -0.00100 |
| 3 | -0.00171 | 0.003992 | -0.00010 | 0.00008 |
| 4 | 0.00009 | -0.000098 | 0.00084 | -0.00015 |
| 5 | -0.00100 | 0.000082 | -0.00015 | 0.00096 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.11305 | 0.11724 | 0.18114 |
| 2 | 0.00318 | -0.00203 | -0.00117 |
| 3 | -0.00203 | 0.00476 | 0.00008 |
| 4 | -0.00117 | 0.00008 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.28110 | 0.16053 | 0.11714 | 0.090038 |
| 2 | 0.00295 | -0.00195 | 0.00013 | -0.001098 |
| 3 | -0.00195 | 0.00434 | -0.00011 | 0.000149 |
| 4 | 0.00013 | -0.00011 | 0.00092 | -0.000146 |
| 5 | -0.00110 | 0.00015 | -0.00015 | 0.001045 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.14325 | 0.12052 | 0.15857 |
| 2 | 0.00319 | -0.00210 | -0.00117 |
| 3 | -0.00210 | 0.00470 | 0.00014 |
| 4 | -0.00117 | 0.00014 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.17672 | -.004843992 | 0.20582 | 0.084540 |
| 2 | 0.00237 | -.001529646 | 0.00005 | -0.000866 |
| 3 | -0.00153 | 0.003688291 | -0.00016 | 0.000009 |
| 4 | 0.00005 | -.000155613 | 0.00083 | -0.000097 |
| 5 | -0.00087 | 0.000009102 | -0.00010 | 0.000892 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.058871 | 0.18811 | 0.11731 |
| 2 | 0.002874 | -0.00184 | -0.00104 |
| 3 | -0.001844 | 0.00444 | -0.00001 |
| 4 | -0.001043 | -0.00001 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.25176 | 0.13669 | 0.18590 | 0.084886 |
| 2 | 0.00291 | -0.00193 | 0.00019 | -0.001038 |
| 3 | -0.00193 | 0.00422 | -0.00016 | 0.000074 |
| 4 | 0.00019 | -0.00016 | 0.00101 | -0.000140 |
| 5 | -0.00104 | 0.00007 | -0.00014 | 0.001017 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18644 | 0.15746 | 0.13852 |
| 2 | 0.00285 | -0.00188 | -0.00100 |
| 3 | -0.00188 | 0.00416 | 0.00005 |
| 4 | -0.00100 | 0.00005 | 0.00099 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24067 | 0.026906 | 0.15008 | 0.14304 |
| 2 | 0.00279 | -0.001821 | 0.00026 | -0.00102 |
| 3 | -0.00182 | 0.004150 | -0.00025 | 0.00012 |
| 4 | 0.00026 | -0.000245 | 0.00089 | -0.00020 |
| 5 | -0.00102 | 0.000115 | -0.00020 | 0.00095 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.29591 | 0.27615 | 0.22550 |
| 2 | 0.00306 | -0.00197 | -0.00109 |
| 3 | -0.00197 | 0.00461 | 0.00007 |
| 4 | -0.00109 | 0.00007 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24040 | 0.11954 | 0.18555 | 0.086283 |
| 2 | 0.00252 | -0.00163 | 0.00016 | -0.000948 |
| 3 | -0.00163 | 0.00392 | -0.00021 | 0.000063 |
| 4 | 0.00016 | -0.00021 | 0.00091 | -0.000145 |
| 5 | -0.00095 | 0.00006 | -0.00014 | 0.000944 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18000 | 0.23230 | 0.15859 |
| 2 | 0.00274 | -0.00175 | -0.00101 |
| 3 | -0.00175 | 0.00425 | 0.00003 |
| 4 | -0.00101 | 0.00003 | 0.00101 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.18083 | 0.063908 | 0.13244 | 0.095434 |
| 2 | 0.00259 | -0.001650 | 0.00017 | -0.000900 |
| 3 | -0.00165 | 0.004008 | -0.00021 | -0.000045 |
| 4 | 0.00017 | -0.000205 | 0.00086 | -0.000110 |
| 5 | -0.00090 | -0.000045 | -0.00011 | 0.000895 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20005 | 0.23845 | 0.12798 |
| 2 | 0.00298 | -0.00188 | -0.00102 |
| 3 | -0.00188 | 0.00462 | -0.00008 |
| 4 | -0.00102 | -0.00008 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.18000 | 0.10744 | 0.16084 | 0.062665 |
| 2 | 0.00298 | -0.00185 | 0.00014 | -0.001102 |
| 3 | -0.00185 | 0.00411 | -0.00018 | 0.000050 |
| 4 | 0.00014 | -0.00018 | 0.00096 | -0.000084 |
| 5 | -0.00110 | 0.00005 | -0.00008 | 0.001026 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.14508 | 0.18886 | 0.086626 |
| 2 | 0.00308 | -0.00190 | -0.001134 |
| 3 | -0.00190 | 0.00424 | 0.000035 |
| 4 | -0.00113 | 0.00004 | 0.001060 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.25813 | 0.21160 | 0.16569 | 0.077332 |
| 2 | 0.00230 | -0.00136 | 0.00004 | -0.000875 |
| 3 | -0.00136 | 0.00365 | -0.00008 | -0.000077 |
| 4 | 0.00004 | -0.00008 | 0.00079 | -0.000102 |
| 5 | -0.00087 | -0.00008 | -0.00010 | 0.000892 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.055677 | 0.10686 | 0.12926 |
| 2 | 0.002912 | -0.00172 | -0.00110 |
| 3 | -0.001716 | 0.00461 | -0.00011 |
| 4 | -0.001099 | -0.00011 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27771 | 0.072687 | 0.12967 | 0.13893 |
| 2 | 0.00250 | -0.001471 | 0.00014 | -0.00094 |
| 3 | -0.00147 | 0.003978 | -0.00004 | -0.00007 |
| 4 | 0.00014 | -0.000039 | 0.00079 | -0.00017 |
| 5 | -0.00094 | -0.000069 | -0.00017 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18090 | 0.048561 | 0.21868 |
| 2 | 0.00313 | -0.001852 | -0.00114 |
| 3 | -0.00185 | 0.005028 | -0.00010 |
| 4 | -0.00114 | -0.000098 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27907 | 0.12801 | 0.14859 | 0.12272 |
| 2 | 0.00278 | -0.00172 | 0.00009 | -0.00101 |
| 3 | -0.00172 | 0.00389 | -0.00009 | 0.00004 |
| 4 | 0.00009 | -0.00009 | 0.00086 | -0.00011 |
| 5 | -0.00101 | 0.00004 | -0.00011 | 0.00093 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.10136 | 0.10705 | 0.12246 |
| 2 | 0.00323 | -0.00199 | -0.00116 |
| 3 | -0.00199 | 0.00452 | 0.00003 |
| 4 | -0.00116 | 0.00003 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.14251 | 0.10978 | 0.14514 | 0.045626 |
| 2 | 0.00254 | -0.00159 | 0.00016 | -0.000936 |
| 3 | -0.00159 | 0.00372 | -0.00015 | 0.000008 |
| 4 | 0.00016 | -0.00015 | 0.00083 | -0.000134 |
| 5 | -0.00094 | 0.00001 | -0.00013 | 0.000911 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.19903 | 0.17847 | 0.16217 |
| 2 | 0.00304 | -0.00189 | -0.00110 |
| 3 | -0.00189 | 0.00448 | -0.00002 |
| 4 | -0.00110 | -0.00002 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.33704 | 0.15111 | 0.17079 | 0.16772 |
| 2 | 0.00280 | -0.00176 | 0.00021 | -0.00105 |
| 3 | -0.00176 | 0.00391 | -0.00018 | 0.00006 |
| 4 | 0.00021 | -0.00018 | 0.00083 | -0.00018 |
| 5 | -0.00105 | 0.00006 | -0.00018 | 0.00099 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24799 | 0.21372 | 0.21026 |
| 2 | 0.00330 | -0.00206 | -0.00121 |
| 3 | -0.00206 | 0.00466 | 0.00003 |
| 4 | -0.00121 | 0.00003 | 0.00115 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.26629 | 0.064266 | 0.18316 | 0.14908 |
| 2 | 0.00273 | -0.001757 | 0.00016 | -0.00100 |
| 3 | -0.00176 | 0.003925 | -0.00019 | 0.00004 |
| 4 | 0.00016 | -0.000192 | 0.00084 | -0.00010 |
| 5 | -0.00100 | 0.000037 | -0.00010 | 0.00099 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18561 | 0.22771 | 0.12202 |
| 2 | 0.00321 | -0.00204 | -0.00117 |
| 3 | -0.00204 | 0.00461 | 0.00002 |
| 4 | -0.00117 | 0.00002 | 0.00116 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.20796 | 0.14213 | 0.18595 | 0.066090 |
| 2 | 0.00277 | -0.00175 | 0.00017 | -0.001042 |
| 3 | -0.00175 | 0.00394 | -0.00012 | 0.000090 |
| 4 | 0.00017 | -0.00012 | 0.00085 | -0.000174 |
| 5 | -0.00104 | 0.00009 | -0.00017 | 0.000972 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.19766 | 0.13999 | 0.20445 |
| 2 | 0.00323 | -0.00204 | -0.00119 |
| 3 | -0.00204 | 0.00463 | 0.00008 |
| 4 | -0.00119 | 0.00008 | 0.00110 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.19449 | 0.002384415 | 0.16520 | 0.10471 |
| 2 | 0.00259 | -.001660908 | 0.00011 | -0.00095 |
| 3 | -0.00166 | 0.003745242 | -0.00009 | 0.00005 |
| 4 | 0.00011 | -.000093222 | 0.00081 | -0.00013 |
| 5 | -0.00095 | 0.000053529 | -0.00013 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.13091 | 0.11565 | 0.16198 |
| 2 | 0.00320 | -0.00205 | -0.00116 |
| 3 | -0.00205 | 0.00465 | 0.00005 |
| 4 | -0.00116 | 0.00005 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.18841 | 0.069324 | 0.15479 | 0.096888 |
| 2 | 0.00259 | -0.001668 | 0.00009 | -0.000947 |
| 3 | -0.00167 | 0.003971 | -0.00018 | 0.000017 |
| 4 | 0.00009 | -0.000183 | 0.00084 | -0.000109 |
| 5 | -0.00095 | 0.000017 | -0.00011 | 0.000962 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.10350 | 0.21701 | 0.12872 |
| 2 | 0.00307 | -0.00196 | -0.00111 |
| 3 | -0.00196 | 0.00467 | -0.00001 |
| 4 | -0.00111 | -0.00001 | 0.00113 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.21898 | 0.035565 | 0.12875 | 0.11308 |
| 2 | 0.00318 | -0.002055 | 0.00019 | -0.00117 |
| 3 | -0.00206 | 0.004303 | -0.00023 | 0.00015 |
| 4 | 0.00019 | -0.000228 | 0.00094 | -0.00018 |
| 5 | -0.00117 | 0.000146 | -0.00018 | 0.00107 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20797 | 0.24314 | 0.18699 |
| 2 | 0.00336 | -0.00215 | -0.00122 |
| 3 | -0.00215 | 0.00454 | 0.00011 |
| 4 | -0.00122 | 0.00011 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24815 | 0.16517 | 0.13515 | 0.099911 |
| 2 | 0.00274 | -0.00175 | 0.00016 | -0.001015 |
| 3 | -0.00175 | 0.00383 | -0.00019 | 0.000079 |
| 4 | 0.00016 | -0.00019 | 0.00092 | -0.000162 |
| 5 | -0.00101 | 0.00008 | -0.00016 | 0.000961 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.17774 | 0.20664 | 0.17575 |
| 2 | 0.00296 | -0.00187 | -0.00107 |
| 3 | -0.00187 | 0.00414 | 0.00005 |
| 4 | -0.00107 | 0.00005 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.15309 | -0.015573 | 0.14630 | 0.11234 |
| 2 | 0.00273 | -0.001730 | 0.00016 | -0.00101 |
| 3 | -0.00173 | 0.003805 | -0.00020 | 0.00010 |
| 4 | 0.00016 | -0.000196 | 0.00085 | -0.00011 |
| 5 | -0.00101 | 0.000105 | -0.00011 | 0.00091 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18628 | 0.22945 | 0.13263 |
| 2 | 0.00317 | -0.00199 | -0.00116 |
| 3 | -0.00199 | 0.00441 | 0.00009 |
| 4 | -0.00116 | 0.00009 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.10786 | -0.011777 | 0.14103 | 0.046484 |
| 2 | 0.00251 | -0.001565 | 0.00012 | -0.000953 |
| 3 | -0.00156 | 0.003666 | -0.00017 | 0.000061 |
| 4 | 0.00012 | -0.000171 | 0.00081 | -0.000127 |
| 5 | -0.00095 | 0.000061 | -0.00013 | 0.000899 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.15201 | 0.21042 | 0.15612 |
| 2 | 0.00308 | -0.00190 | -0.00115 |
| 3 | -0.00190 | 0.00448 | 0.00004 |
| 4 | -0.00115 | 0.00004 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.26317 | 0.12280 | 0.10931 | 0.13059 |
| 2 | 0.00258 | -0.00160 | 0.00014 | -0.00095 |
| 3 | -0.00160 | 0.00397 | -0.00009 | 0.00004 |
| 4 | 0.00014 | -0.00009 | 0.00078 | -0.00013 |
| 5 | -0.00095 | 0.00004 | -0.00013 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18567 | 0.11716 | 0.17061 |
| 2 | 0.00329 | -0.00204 | -0.00119 |
| 3 | -0.00204 | 0.00509 | 0.00003 |
| 4 | -0.00119 | 0.00003 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.37886 | 0.12637 | 0.14263 | 0.17442 |
| 2 | 0.00258 | -0.00169 | 0.00016 | -0.00090 |
| 3 | -0.00169 | 0.00393 | -0.00023 | 0.00000 |
| 4 | 0.00016 | -0.00023 | 0.00082 | -0.00015 |
| 5 | -0.00090 | 0.00000 | -0.00015 | 0.00090 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20140 | 0.28266 | 0.18251 |
| 2 | 0.00313 | -0.00202 | -0.00107 |
| 3 | -0.00202 | 0.00474 | -0.00005 |
| 4 | -0.00107 | -0.00005 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.20511 | -0.029014 | 0.17231 | 0.17398 |
| 2 | 0.00242 | -0.001571 | 0.00011 | -0.00090 |
| 3 | -0.00157 | 0.003918 | -0.00006 | -0.00001 |
| 4 | 0.00011 | -0.000058 | 0.00090 | -0.00014 |
| 5 | -0.00090 | -0.000013 | -0.00014 | 0.00097 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.11967 | 0.063852 | 0.15615 |
| 2 | 0.00267 | -0.001735 | -0.00098 |
| 3 | -0.00174 | 0.004342 | -0.00002 |
| 4 | -0.00098 | -0.000025 | 0.00105 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.28940 | 0.18757 | 0.15027 | 0.13998 |
| 2 | 0.00268 | -0.00173 | 0.00022 | -0.00099 |
| 3 | -0.00173 | 0.00381 | -0.00014 | 0.00007 |
| 4 | 0.00022 | -0.00014 | 0.00085 | -0.00015 |
| 5 | -0.00099 | 0.00007 | -0.00015 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25744 | 0.15948 | 0.17824 |
| 2 | 0.00311 | -0.00201 | -0.00112 |
| 3 | -0.00201 | 0.00448 | 0.00006 |
| 4 | -0.00112 | 0.00006 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27283 | 0.20119 | 0.11751 | 0.12262 |
| 2 | 0.00266 | -0.00168 | 0.00011 | -0.00099 |
| 3 | -0.00168 | 0.00380 | -0.00013 | -0.00001 |
| 4 | 0.00011 | -0.00013 | 0.00089 | -0.00014 |
| 5 | -0.00099 | -0.00001 | -0.00014 | 0.00100 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12499 | 0.14537 | 0.15310 |
| 2 | 0.00298 | -0.00187 | -0.00109 |
| 3 | -0.00187 | 0.00427 | -0.00003 |
| 4 | -0.00109 | -0.00003 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22584 | 0.18582 | 0.16158 | 0.052215 |
| 2 | 0.00259 | -0.00166 | 0.00012 | -0.000917 |
| 3 | -0.00166 | 0.00409 | -0.00012 | -0.000047 |
| 4 | 0.00012 | -0.00012 | 0.00091 | -0.000123 |
| 5 | -0.00092 | -0.00005 | -0.00012 | 0.000949 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12811 | 0.13046 | 0.13455 |
| 2 | 0.00283 | -0.00180 | -0.00099 |
| 3 | -0.00180 | 0.00448 | -0.00007 |
| 4 | -0.00099 | -0.00007 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.15366 | 0.008381936 | 0.16040 | 0.10321 |
| 2 | 0.00269 | -.001674632 | 0.00021 | -0.00098 |
| 3 | -0.00167 | 0.004003280 | -0.00012 | -0.00007 |
| 4 | 0.00021 | -.000121389 | 0.00089 | -0.00019 |
| 5 | -0.00098 | -.000070816 | -0.00019 | 0.00102 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24150 | 0.13704 | 0.21271 |
| 2 | 0.00298 | -0.00186 | -0.00106 |
| 3 | -0.00186 | 0.00451 | -0.00011 |
| 4 | -0.00106 | -0.00011 | 0.00110 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27937 | 0.15248 | 0.21273 | 0.11220 |
| 2 | 0.00273 | -0.00174 | 0.00023 | -0.00100 |
| 3 | -0.00174 | 0.00395 | -0.00010 | 0.00007 |
| 4 | 0.00023 | -0.00010 | 0.00091 | -0.00020 |
| 5 | -0.00100 | 0.00007 | -0.00020 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25712 | 0.11021 | 0.22139 |
| 2 | 0.00296 | -0.00190 | -0.00105 |
| 3 | -0.00190 | 0.00436 | 0.00005 |
| 4 | -0.00105 | 0.00005 | 0.00099 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24490 | 0.10251 | 0.17007 | 0.11891 |
| 2 | 0.00274 | -0.00178 | 0.00013 | -0.00099 |
| 3 | -0.00178 | 0.00412 | -0.00006 | 0.00005 |
| 4 | 0.00013 | -0.00006 | 0.00089 | -0.00014 |
| 5 | -0.00099 | 0.00005 | -0.00014 | 0.00096 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.15135 | 0.072597 | 0.16005 |
| 2 | 0.00306 | -0.001987 | -0.00109 |
| 3 | -0.00199 | 0.004632 | 0.00005 |
| 4 | -0.00109 | 0.000045 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.34952 | 0.17145 | 0.16397 | 0.14344 |
| 2 | 0.00259 | -0.00171 | 0.00020 | -0.00089 |
| 3 | -0.00171 | 0.00360 | -0.00012 | 0.00009 |
| 4 | 0.00020 | -0.00012 | 0.00084 | -0.00014 |
| 5 | -0.00089 | 0.00009 | -0.00014 | 0.00080 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23862 | 0.14232 | 0.16176 |
| 2 | 0.00304 | -0.00201 | -0.00102 |
| 3 | -0.00201 | 0.00428 | 0.00008 |
| 4 | -0.00102 | 0.00008 | 0.00093 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.23355 | 0.063685 | 0.17964 | 0.095827 |
| 2 | 0.00242 | -0.001516 | 0.00017 | -0.000885 |
| 3 | -0.00152 | 0.003913 | -0.00020 | -0.000047 |
| 4 | 0.00017 | -0.000196 | 0.00080 | -0.000127 |
| 5 | -0.00089 | -0.000047 | -0.00013 | 0.000905 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20692 | 0.24361 | 0.15766 |
| 2 | 0.00298 | -0.00184 | -0.00107 |
| 3 | -0.00184 | 0.00483 | -0.00010 |
| 4 | -0.00107 | -0.00010 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32804 | 0.065344 | 0.15618 | 0.15887 |
| 2 | 0.00261 | -0.001630 | 0.00009 | -0.00095 |
| 3 | -0.00163 | 0.003747 | -0.00007 | 0.00002 |
| 4 | 0.00009 | -0.000066 | 0.00085 | -0.00016 |
| 5 | -0.00095 | 0.000018 | -0.00016 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.11077 | 0.078018 | 0.18423 |
| 2 | 0.00307 | -0.001921 | -0.00110 |
| 3 | -0.00192 | 0.004430 | 0.00001 |
| 4 | -0.00110 | 0.000007 | 0.00105 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.30458 | 0.11196 | 0.10687 | 0.15955 |
| 2 | 0.00283 | -0.00181 | 0.00011 | -0.00102 |
| 3 | -0.00181 | 0.00404 | -0.00012 | 0.00008 |
| 4 | 0.00011 | -0.00012 | 0.00091 | -0.00014 |
| 5 | -0.00102 | 0.00008 | -0.00014 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12558 | 0.13387 | 0.15165 |
| 2 | 0.00310 | -0.00197 | -0.00110 |
| 3 | -0.00197 | 0.00442 | 0.00006 |
| 4 | -0.00110 | 0.00006 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.12858 | -.006567766 | 0.14807 | 0.081932 |
| 2 | 0.00259 | -.001674270 | 0.00016 | -0.000923 |
| 3 | -0.00167 | 0.003692129 | -0.00017 | 0.000082 |
| 4 | 0.00016 | -.000174319 | 0.00075 | -0.000113 |
| 5 | -0.00092 | 0.000082014 | -0.00011 | 0.000840 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21366 | 0.23149 | 0.14953 |
| 2 | 0.00341 | -0.00218 | -0.00120 |
| 3 | -0.00218 | 0.00486 | 0.00007 |
| 4 | -0.00120 | 0.00007 | 0.00110 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27978 | 0.13691 | 0.18476 | 0.11579 |
| 2 | 0.00264 | -0.00174 | 0.00021 | -0.00095 |
| 3 | -0.00174 | 0.00390 | -0.00022 | 0.00003 |
| 4 | 0.00021 | -0.00022 | 0.00087 | -0.00016 |
| 5 | -0.00095 | 0.00003 | -0.00016 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23641 | 0.24874 | 0.18249 |
| 2 | 0.00298 | -0.00193 | -0.00104 |
| 3 | -0.00193 | 0.00441 | -0.00001 |
| 4 | -0.00104 | -0.00001 | 0.00105 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.17062 | 0.034539 | 0.18424 | 0.12726 |
| 2 | 0.00263 | -0.001703 | 0.00019 | -0.00097 |
| 3 | -0.00170 | 0.003814 | -0.00018 | 0.00004 |
| 4 | 0.00019 | -0.000177 | 0.00084 | -0.00011 |
| 5 | -0.00097 | 0.000036 | -0.00011 | 0.00097 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.22685 | 0.21126 | 0.13103 |
| 2 | 0.00310 | -0.00200 | -0.00113 |
| 3 | -0.00200 | 0.00453 | 0.00002 |
| 4 | -0.00113 | 0.00002 | 0.00114 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.29535 | 0.14327 | 0.16851 | 0.14100 |
| 2 | 0.00278 | -0.00173 | 0.00023 | -0.00103 |
| 3 | -0.00173 | 0.00403 | -0.00023 | 0.00003 |
| 4 | 0.00023 | -0.00023 | 0.00085 | -0.00013 |
| 5 | -0.00103 | 0.00003 | -0.00013 | 0.00097 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.27007 | 0.27109 | 0.15690 |
| 2 | 0.00319 | -0.00196 | -0.00117 |
| 3 | -0.00196 | 0.00466 | -0.00001 |
| 4 | -0.00117 | -0.00001 | 0.00112 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.19133 | 0.12060 | 0.18856 | 0.089705 |
| 2 | 0.00274 | -0.00177 | 0.00016 | -0.000965 |
| 3 | -0.00177 | 0.00386 | -0.00012 | 0.000071 |
| 4 | 0.00016 | -0.00012 | 0.00086 | -0.000162 |
| 5 | -0.00096 | 0.00007 | -0.00016 | 0.000893 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18808 | 0.13664 | 0.18817 |
| 2 | 0.00315 | -0.00204 | -0.00109 |
| 3 | -0.00204 | 0.00448 | 0.00006 |
| 4 | -0.00109 | 0.00006 | 0.00100 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.25104 | 0.077828 | 0.17057 | 0.15238 |
| 2 | 0.00268 | -0.001706 | 0.00021 | -0.00100 |
| 3 | -0.00171 | 0.003888 | -0.00019 | 0.00010 |
| 4 | 0.00021 | -0.000192 | 0.00086 | -0.00015 |
| 5 | -0.00100 | 0.000102 | -0.00015 | 0.00091 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24465 | 0.22220 | 0.17827 |
| 2 | 0.00305 | -0.00193 | -0.00111 |
| 3 | -0.00193 | 0.00447 | 0.00008 |
| 4 | -0.00111 | 0.00008 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.30338 | 0.17678 | 0.15904 | 0.13147 |
| 2 | 0.00249 | -0.00159 | 0.00017 | -0.00089 |
| 3 | -0.00159 | 0.00390 | -0.00011 | -0.00001 |
| 4 | 0.00017 | -0.00011 | 0.00083 | -0.00014 |
| 5 | -0.00089 | -0.00001 | -0.00014 | 0.00089 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20970 | 0.13694 | 0.17120 |
| 2 | 0.00295 | -0.00189 | -0.00103 |
| 3 | -0.00189 | 0.00467 | -0.00004 |
| 4 | -0.00103 | -0.00004 | 0.00104 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.23574 | 0.026242 | 0.15225 | 0.071892 |
| 2 | 0.00235 | -0.001502 | 0.00013 | -0.000869 |
| 3 | -0.00150 | 0.003830 | -0.00009 | 0.000004 |
| 4 | 0.00013 | -0.000093 | 0.00083 | -0.000153 |
| 5 | -0.00087 | 0.000004 | -0.00015 | 0.000890 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.15899 | 0.11280 | 0.18430 |
| 2 | 0.00282 | -0.00180 | -0.00102 |
| 3 | -0.00180 | 0.00463 | -0.00002 |
| 4 | -0.00102 | -0.00002 | 0.00104 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22822 | 0.22398 | 0.16200 | 0.073783 |
| 2 | 0.00287 | -0.00182 | 0.00023 | -0.001077 |
| 3 | -0.00182 | 0.00399 | -0.00006 | 0.000178 |
| 4 | 0.00023 | -0.00006 | 0.00090 | -0.000188 |
| 5 | -0.00108 | 0.00018 | -0.00019 | 0.000929 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25191 | 0.062405 | 0.20962 |
| 2 | 0.00314 | -0.002021 | -0.00115 |
| 3 | -0.00202 | 0.004452 | 0.00019 |
| 4 | -0.00115 | 0.000185 | 0.00099 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32690 | 0.082561 | 0.14289 | 0.19718 |
| 2 | 0.00272 | -0.001680 | 0.00021 | -0.00103 |
| 3 | -0.00168 | 0.004331 | -0.00027 | -0.00000 |
| 4 | 0.00021 | -0.000271 | 0.00086 | -0.00017 |
| 5 | -0.00103 | -0.000004 | -0.00017 | 0.00101 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24289 | 0.31531 | 0.19230 |
| 2 | 0.00311 | -0.00188 | -0.00115 |
| 3 | -0.00188 | 0.00495 | -0.00007 |
| 4 | -0.00115 | -0.00007 | 0.00114 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.29987 | 0.21651 | 0.17370 | 0.11247 |
| 2 | 0.00315 | -0.00203 | 0.00020 | -0.00119 |
| 3 | -0.00203 | 0.00421 | -0.00016 | 0.00017 |
| 4 | 0.00020 | -0.00016 | 0.00088 | -0.00019 |
| 5 | -0.00119 | 0.00017 | -0.00019 | 0.00109 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23087 | 0.18482 | 0.22174 |
| 2 | 0.00356 | -0.00229 | -0.00132 |
| 3 | -0.00229 | 0.00479 | 0.00016 |
| 4 | -0.00132 | 0.00016 | 0.00120 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.23840 | 0.049321 | 0.16784 | 0.10320 |
| 2 | 0.00279 | -0.001765 | 0.00016 | -0.00102 |
| 3 | -0.00176 | 0.004028 | -0.00016 | -0.00002 |
| 4 | 0.00016 | -0.000156 | 0.00094 | -0.00014 |
| 5 | -0.00102 | -0.000019 | -0.00014 | 0.00102 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.17350 | 0.16633 | 0.15457 |
| 2 | 0.00296 | -0.00186 | -0.00106 |
| 3 | -0.00186 | 0.00428 | -0.00005 |
| 4 | -0.00106 | -0.00005 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22314 | 0.071397 | 0.17000 | 0.13078 |
| 2 | 0.00272 | -0.001785 | 0.00021 | -0.00096 |
| 3 | -0.00178 | 0.004137 | -0.00029 | -0.00001 |
| 4 | 0.00021 | -0.000289 | 0.00097 | -0.00019 |
| 5 | -0.00096 | -0.000006 | -0.00019 | 0.00098 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21164 | 0.29749 | 0.19770 |
| 2 | 0.00277 | -0.00178 | -0.00095 |
| 3 | -0.00178 | 0.00419 | -0.00007 |
| 4 | -0.00095 | -0.00007 | 0.00098 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22374 | 0.060415 | 0.18834 | 0.050472 |
| 2 | 0.00287 | -0.001827 | 0.00019 | -0.001039 |
| 3 | -0.00183 | 0.004005 | -0.00012 | 0.000054 |
| 4 | 0.00019 | -0.000123 | 0.00088 | -0.000150 |
| 5 | -0.00104 | 0.000054 | -0.00015 | 0.000977 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21358 | 0.13919 | 0.16967 |
| 2 | 0.00322 | -0.00205 | -0.00115 |
| 3 | -0.00205 | 0.00454 | 0.00004 |
| 4 | -0.00115 | 0.00004 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.23968 | 0.12678 | 0.17704 | 0.11739 |
| 2 | 0.00268 | -0.00172 | 0.00019 | -0.00095 |
| 3 | -0.00172 | 0.00396 | -0.00014 | -0.00001 |
| 4 | 0.00019 | -0.00014 | 0.00090 | -0.00017 |
| 5 | -0.00095 | -0.00001 | -0.00017 | 0.00095 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21318 | 0.15976 | 0.18396 |
| 2 | 0.00295 | -0.00188 | -0.00102 |
| 3 | -0.00188 | 0.00440 | -0.00004 |
| 4 | -0.00102 | -0.00004 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.34052 | 0.17144 | 0.15110 | 0.12867 |
| 2 | 0.00274 | -0.00171 | 0.00006 | -0.00098 |
| 3 | -0.00171 | 0.00422 | -0.00008 | 0.00001 |
| 4 | 0.00006 | -0.00008 | 0.00096 | -0.00013 |
| 5 | -0.00098 | 0.00001 | -0.00013 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.065392 | 0.084588 | 0.13948 |
| 2 | 0.002843 | -0.001770 | -0.00101 |
| 3 | -0.001770 | 0.004382 | 0.00000 |
| 4 | -0.001006 | 0.000000 | 0.00094 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.36316 | 0.23338 | 0.18158 | 0.11409 |
| 2 | 0.00272 | -0.00175 | 0.00010 | -0.00096 |
| 3 | -0.00175 | 0.00387 | -0.00012 | 0.00004 |
| 4 | 0.00010 | -0.00012 | 0.00090 | -0.00014 |
| 5 | -0.00096 | 0.00004 | -0.00014 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.11550 | 0.12893 | 0.15549 |
| 2 | 0.00300 | -0.00192 | -0.00105 |
| 3 | -0.00192 | 0.00428 | 0.00003 |
| 4 | -0.00105 | 0.00003 | 0.00100 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.17762 | 0.035589 | 0.12900 | 0.11034 |
| 2 | 0.00314 | -0.002078 | 0.00025 | -0.00115 |
| 3 | -0.00208 | 0.004427 | -0.00021 | 0.00018 |
| 4 | 0.00025 | -0.000214 | 0.00105 | -0.00018 |
| 5 | -0.00115 | 0.000178 | -0.00018 | 0.00104 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24300 | 0.20412 | 0.17584 |
| 2 | 0.00295 | -0.00194 | -0.00106 |
| 3 | -0.00194 | 0.00420 | 0.00013 |
| 4 | -0.00106 | 0.00013 | 0.00097 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.30250 | 0.19486 | 0.19772 | 0.11280 |
| 2 | 0.00275 | -0.00180 | 0.00019 | -0.00098 |
| 3 | -0.00180 | 0.00370 | -0.00021 | 0.00012 |
| 4 | 0.00019 | -0.00021 | 0.00083 | -0.00014 |
| 5 | -0.00098 | 0.00012 | -0.00014 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.22643 | 0.25856 | 0.17192 |
| 2 | 0.00329 | -0.00213 | -0.00116 |
| 3 | -0.00213 | 0.00443 | 0.00011 |
| 4 | -0.00116 | 0.00011 | 0.00104 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32133 | 0.19696 | 0.12434 | 0.16414 |
| 2 | 0.00272 | -0.00172 | 0.00019 | -0.00101 |
| 3 | -0.00172 | 0.00390 | -0.00015 | 0.00008 |
| 4 | 0.00019 | -0.00015 | 0.00085 | -0.00018 |
| 5 | -0.00101 | 0.00008 | -0.00018 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.22529 | 0.17232 | 0.21467 |
| 2 | 0.00315 | -0.00199 | -0.00114 |
| 3 | -0.00199 | 0.00457 | 0.00006 |
| 4 | -0.00114 | 0.00006 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22104 | -0.018442 | 0.18907 | 0.082048 |
| 2 | 0.00227 | -0.001497 | 0.00017 | -0.000810 |
| 3 | -0.00150 | 0.003580 | -0.00018 | 0.000004 |
| 4 | 0.00017 | -0.000182 | 0.00087 | -0.000149 |
| 5 | -0.00081 | 0.000004 | -0.00015 | 0.000838 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.19856 | 0.21028 | 0.17239 |
| 2 | 0.00259 | -0.00169 | -0.00090 |
| 3 | -0.00169 | 0.00411 | -0.00003 |
| 4 | -0.00090 | -0.00003 | 0.00094 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.19433 | 0.010023 | 0.13070 | 0.13948 |
| 2 | 0.00272 | -0.001761 | 0.00016 | -0.00096 |
| 3 | -0.00176 | 0.003846 | -0.00011 | 0.00007 |
| 4 | 0.00016 | -0.000105 | 0.00079 | -0.00014 |
| 5 | -0.00096 | 0.000069 | -0.00014 | 0.00089 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20591 | 0.13307 | 0.17582 |
| 2 | 0.00342 | -0.00221 | -0.00119 |
| 3 | -0.00221 | 0.00487 | 0.00006 |
| 4 | -0.00119 | 0.00006 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.35522 | 0.13437 | 0.16166 | 0.18644 |
| 2 | 0.00251 | -0.00156 | 0.00022 | -0.00093 |
| 3 | -0.00156 | 0.00373 | -0.00014 | 0.00003 |
| 4 | 0.00022 | -0.00014 | 0.00073 | -0.00016 |
| 5 | -0.00093 | 0.00003 | -0.00016 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.30623 | 0.18708 | 0.21903 |
| 2 | 0.00336 | -0.00210 | -0.00122 |
| 3 | -0.00210 | 0.00510 | -0.00000 |
| 4 | -0.00122 | -0.00000 | 0.00117 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.21359 | 0.12283 | 0.18104 | 0.064914 |
| 2 | 0.00274 | -0.00166 | 0.00017 | -0.001016 |
| 3 | -0.00166 | 0.00410 | -0.00010 | -0.000052 |
| 4 | 0.00017 | -0.00010 | 0.00103 | -0.000145 |
| 5 | -0.00102 | -0.00005 | -0.00015 | 0.000999 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.16217 | 0.097657 | 0.14100 |
| 2 | 0.00265 | -0.001599 | -0.00097 |
| 3 | -0.00160 | 0.003987 | -0.00006 |
| 4 | -0.00097 | -0.000065 | 0.00095 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.15939 | 0.088622 | 0.23385 | 0.062830 |
| 2 | 0.00282 | -0.001748 | 0.00009 | -0.001051 |
| 3 | -0.00175 | 0.004119 | -0.00011 | 0.000004 |
| 4 | 0.00009 | -0.000113 | 0.00088 | -0.000096 |
| 5 | -0.00105 | 0.000004 | -0.00010 | 0.001025 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.10017 | 0.12907 | 0.10902 |
| 2 | 0.00321 | -0.00198 | -0.00119 |
| 3 | -0.00198 | 0.00468 | -0.00001 |
| 4 | -0.00119 | -0.00001 | 0.00116 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.31766 | 0.22651 | 0.13673 | 0.12567 |
| 2 | 0.00268 | -0.00168 | 0.00011 | -0.00092 |
| 3 | -0.00168 | 0.00396 | -0.00012 | -0.00005 |
| 4 | 0.00011 | -0.00012 | 0.00086 | -0.00013 |
| 5 | -0.00092 | -0.00005 | -0.00013 | 0.00090 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12635 | 0.14041 | 0.15285 |
| 2 | 0.00309 | -0.00193 | -0.00105 |
| 3 | -0.00193 | 0.00458 | -0.00008 |
| 4 | -0.00105 | -0.00008 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.19934 | 0.083607 | 0.16298 | 0.046720 |
| 2 | 0.00319 | -0.002070 | 0.00009 | -0.001145 |
| 3 | -0.00207 | 0.004385 | -0.00016 | 0.000133 |
| 4 | 0.00009 | -0.000157 | 0.00101 | -0.000133 |
| 5 | -0.00114 | 0.000133 | -0.00013 | 0.001040 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.090967 | 0.15600 | 0.13169 |
| 2 | 0.003167 | -0.00204 | -0.00113 |
| 3 | -0.002044 | 0.00434 | 0.00011 |
| 4 | -0.001126 | 0.00011 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.09983 | -0.024232 | 0.19473 | 0.084653 |
| 2 | 0.00262 | -0.001737 | 0.00012 | -0.000954 |
| 3 | -0.00174 | 0.003813 | -0.00008 | 0.000141 |
| 4 | 0.00012 | -0.000081 | 0.00080 | -0.000169 |
| 5 | -0.00095 | 0.000141 | -0.00017 | 0.000892 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.14644 | 0.10099 | 0.21105 |
| 2 | 0.00326 | -0.00216 | -0.00116 |
| 3 | -0.00216 | 0.00477 | 0.00016 |
| 4 | -0.00116 | 0.00016 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.23510 | 0.10379 | 0.17122 | 0.10520 |
| 2 | 0.00253 | -0.00151 | 0.00008 | -0.00099 |
| 3 | -0.00151 | 0.00395 | -0.00006 | -0.00002 |
| 4 | 0.00008 | -0.00006 | 0.00087 | -0.00013 |
| 5 | -0.00099 | -0.00002 | -0.00013 | 0.00099 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.095093 | 0.073685 | 0.14426 |
| 2 | 0.002892 | -0.001725 | -0.00112 |
| 3 | -0.001725 | 0.004528 | -0.00004 |
| 4 | -0.001121 | -0.000035 | 0.00111 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24757 | 0.012623 | 0.17345 | 0.14970 |
| 2 | 0.00274 | -0.001633 | 0.00010 | -0.00102 |
| 3 | -0.00163 | 0.003764 | -0.00009 | 0.00002 |
| 4 | 0.00010 | -0.000090 | 0.00084 | -0.00010 |
| 5 | -0.00102 | 0.000017 | -0.00010 | 0.00092 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12305 | 0.10672 | 0.11851 |
| 2 | 0.00326 | -0.00194 | -0.00120 |
| 3 | -0.00194 | 0.00449 | 0.00001 |
| 4 | -0.00120 | 0.00001 | 0.00109 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.21859 | 0.072978 | 0.14081 | 0.12982 |
| 2 | 0.00296 | -0.001835 | 0.00022 | -0.00108 |
| 3 | -0.00183 | 0.004331 | -0.00021 | 0.00003 |
| 4 | 0.00022 | -0.000208 | 0.00100 | -0.00018 |
| 5 | -0.00108 | 0.000031 | -0.00018 | 0.00101 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21814 | 0.20739 | 0.18025 |
| 2 | 0.00291 | -0.00179 | -0.00104 |
| 3 | -0.00179 | 0.00429 | -0.00001 |
| 4 | -0.00104 | -0.00001 | 0.00098 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22863 | 0.19573 | 0.20494 | 0.083095 |
| 2 | 0.00247 | -0.00159 | 0.00017 | -0.000898 |
| 3 | -0.00159 | 0.00364 | -0.00015 | 0.000035 |
| 4 | 0.00017 | -0.00015 | 0.00082 | -0.000152 |
| 5 | -0.00090 | 0.00003 | -0.00015 | 0.000880 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21049 | 0.17666 | 0.18469 |
| 2 | 0.00297 | -0.00190 | -0.00106 |
| 3 | -0.00190 | 0.00441 | 0.00001 |
| 4 | -0.00106 | 0.00001 | 0.00104 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.20879 | 0.12300 | 0.17944 | 0.11460 |
| 2 | 0.00260 | -0.00172 | 0.00014 | -0.00089 |
| 3 | -0.00172 | 0.00405 | -0.00010 | -0.00000 |
| 4 | 0.00014 | -0.00010 | 0.00084 | -0.00013 |
| 5 | -0.00089 | -0.00000 | -0.00013 | 0.00091 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.16534 | 0.11426 | 0.15917 |
| 2 | 0.00307 | -0.00204 | -0.00103 |
| 3 | -0.00204 | 0.00482 | -0.00002 |
| 4 | -0.00103 | -0.00002 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32112 | 0.15530 | 0.17520 | 0.15648 |
| 2 | 0.00262 | -0.00166 | 0.00021 | -0.00093 |
| 3 | -0.00166 | 0.00390 | -0.00021 | 0.00001 |
| 4 | 0.00021 | -0.00021 | 0.00084 | -0.00016 |
| 5 | -0.00093 | 0.00001 | -0.00016 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.24467 | 0.25343 | 0.19215 |
| 2 | 0.00307 | -0.00192 | -0.00106 |
| 3 | -0.00192 | 0.00460 | -0.00004 |
| 4 | -0.00106 | -0.00004 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.26584 | 0.081501 | 0.10149 | 0.12250 |
| 2 | 0.00280 | -0.001906 | 0.00022 | -0.00099 |
| 3 | -0.00191 | 0.003938 | -0.00031 | 0.00017 |
| 4 | 0.00022 | -0.000309 | 0.00087 | -0.00017 |
| 5 | -0.00099 | 0.000174 | -0.00017 | 0.00090 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.25639 | 0.35518 | 0.19903 |
| 2 | 0.00316 | -0.00211 | -0.00109 |
| 3 | -0.00211 | 0.00441 | 0.00013 |
| 4 | -0.00109 | 0.00013 | 0.00100 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.19411 | 0.11281 | 0.14137 | 0.060881 |
| 2 | 0.00273 | -0.00176 | 0.00014 | -0.000991 |
| 3 | -0.00176 | 0.00413 | -0.00017 | 0.000061 |
| 4 | 0.00014 | -0.00017 | 0.00092 | -0.000188 |
| 5 | -0.00099 | 0.00006 | -0.00019 | 0.000957 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.15018 | 0.17995 | 0.20466 |
| 2 | 0.00296 | -0.00189 | -0.00105 |
| 3 | -0.00189 | 0.00447 | 0.00003 |
| 4 | -0.00105 | 0.00003 | 0.00100 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27213 | 0.087671 | 0.18453 | 0.17062 |
| 2 | 0.00281 | -0.001766 | 0.00015 | -0.00108 |
| 3 | -0.00177 | 0.004150 | -0.00010 | 0.00010 |
| 4 | 0.00015 | -0.000103 | 0.00091 | -0.00019 |
| 5 | -0.00108 | 0.000099 | -0.00019 | 0.00102 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.16848 | 0.11346 | 0.20706 |
| 2 | 0.00308 | -0.00194 | -0.00116 |
| 3 | -0.00194 | 0.00458 | 0.00009 |
| 4 | -0.00116 | 0.00009 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.29844 | 0.086602 | 0.19608 | 0.13704 |
| 2 | 0.00248 | -0.001505 | 0.00017 | -0.00093 |
| 3 | -0.00150 | 0.003606 | -0.00018 | -0.00005 |
| 4 | 0.00017 | -0.000182 | 0.00081 | -0.00017 |
| 5 | -0.00093 | -0.000047 | -0.00017 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21397 | 0.22499 | 0.20981 |
| 2 | 0.00303 | -0.00182 | -0.00111 |
| 3 | -0.00182 | 0.00443 | -0.00011 |
| 4 | -0.00111 | -0.00011 | 0.00113 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32591 | 0.11812 | 0.14155 | 0.15518 |
| 2 | 0.00280 | -0.00186 | 0.00021 | -0.00101 |
| 3 | -0.00186 | 0.00415 | -0.00022 | 0.00006 |
| 4 | 0.00021 | -0.00022 | 0.00096 | -0.00020 |
| 5 | -0.00101 | 0.00006 | -0.00020 | 0.00102 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21917 | 0.23383 | 0.20781 |
| 2 | 0.00287 | -0.00189 | -0.00100 |
| 3 | -0.00189 | 0.00427 | 0.00001 |
| 4 | -0.00100 | 0.00001 | 0.00102 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27215 | 0.15551 | 0.14375 | 0.097208 |
| 2 | 0.00276 | -0.00171 | 0.00008 | -0.001043 |
| 3 | -0.00171 | 0.00405 | 0.00007 | 0.000058 |
| 4 | 0.00008 | 0.00007 | 0.00087 | -0.000147 |
| 5 | -0.00104 | 0.00006 | -0.00015 | 0.000971 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.091850 | -0.078782 | 0.16933 |
| 2 | 0.003187 | -0.001979 | -0.00119 |
| 3 | -0.001979 | 0.004677 | 0.00008 |
| 4 | -0.001190 | 0.000080 | 0.00109 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.20342 | 0.12305 | 0.13739 | 0.072197 |
| 2 | 0.00236 | -0.00145 | 0.00020 | -0.000890 |
| 3 | -0.00145 | 0.00373 | -0.00014 | -0.000040 |
| 4 | 0.00020 | -0.00014 | 0.00085 | -0.000183 |
| 5 | -0.00089 | -0.00004 | -0.00018 | 0.000900 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23936 | 0.16231 | 0.21464 |
| 2 | 0.00272 | -0.00166 | -0.00100 |
| 3 | -0.00166 | 0.00437 | -0.00008 |
| 4 | -0.00100 | -0.00008 | 0.00101 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.31052 | 0.12701 | 0.16143 | 0.13785 |
| 2 | 0.00274 | -0.00178 | 0.00026 | -0.00098 |
| 3 | -0.00178 | 0.00418 | -0.00032 | 0.00001 |
| 4 | 0.00026 | -0.00032 | 0.00096 | -0.00015 |
| 5 | -0.00098 | 0.00001 | -0.00015 | 0.00096 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.26876 | 0.32872 | 0.15924 |
| 2 | 0.00279 | -0.00177 | -0.00098 |
| 3 | -0.00177 | 0.00427 | -0.00004 |
| 4 | -0.00098 | -0.00004 | 0.00098 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.21400 | 0.090408 | 0.15818 | 0.14234 |
| 2 | 0.00288 | -0.001825 | 0.00020 | -0.00108 |
| 3 | -0.00182 | 0.004194 | -0.00014 | 0.00005 |
| 4 | 0.00020 | -0.000139 | 0.00093 | -0.00016 |
| 5 | -0.00108 | 0.000052 | -0.00016 | 0.00104 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21343 | 0.14855 | 0.16690 |
| 2 | 0.00305 | -0.00193 | -0.00112 |
| 3 | -0.00193 | 0.00448 | 0.00003 |
| 4 | -0.00112 | 0.00003 | 0.00109 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.17098 | 0.027483 | 0.16434 | 0.11855 |
| 2 | 0.00255 | -0.001686 | 0.00018 | -0.00091 |
| 3 | -0.00169 | 0.003828 | -0.00021 | 0.00007 |
| 4 | 0.00018 | -0.000205 | 0.00086 | -0.00013 |
| 5 | -0.00091 | 0.000067 | -0.00013 | 0.00088 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.20954 | 0.23725 | 0.15017 |
| 2 | 0.00292 | -0.00191 | -0.00103 |
| 3 | -0.00191 | 0.00439 | 0.00004 |
| 4 | -0.00103 | 0.00004 | 0.00100 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.20118 | 0.027949 | 0.18596 | 0.12392 |
| 2 | 0.00255 | -0.001568 | 0.00021 | -0.00094 |
| 3 | -0.00157 | 0.004039 | -0.00016 | -0.00010 |
| 4 | 0.00021 | -0.000157 | 0.00087 | -0.00017 |
| 5 | -0.00094 | -0.000104 | -0.00017 | 0.00098 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23931 | 0.17945 | 0.19102 |
| 2 | 0.00288 | -0.00176 | -0.00103 |
| 3 | -0.00176 | 0.00461 | -0.00015 |
| 4 | -0.00103 | -0.00015 | 0.00109 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22910 | 0.060133 | 0.20043 | 0.071048 |
| 2 | 0.00303 | -0.001974 | 0.00013 | -0.001099 |
| 3 | -0.00197 | 0.004001 | -0.00015 | 0.000153 |
| 4 | 0.00013 | -0.000151 | 0.00090 | -0.000153 |
| 5 | -0.00110 | 0.000153 | -0.00015 | 0.000988 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.14657 | 0.16769 | 0.16970 |
| 2 | 0.00336 | -0.00218 | -0.00120 |
| 3 | -0.00218 | 0.00443 | 0.00014 |
| 4 | -0.00120 | 0.00014 | 0.00107 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.29528 | 0.12653 | 0.15320 | 0.10615 |
| 2 | 0.00284 | -0.00181 | 0.00021 | -0.00105 |
| 3 | -0.00181 | 0.00418 | -0.00015 | 0.00007 |
| 4 | 0.00021 | -0.00015 | 0.00090 | -0.00019 |
| 5 | -0.00105 | 0.00007 | -0.00019 | 0.00100 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23158 | 0.16720 | 0.20979 |
| 2 | 0.00310 | -0.00198 | -0.00112 |
| 3 | -0.00198 | 0.00463 | 0.00005 |
| 4 | -0.00112 | 0.00005 | 0.00106 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24017 | 0.099397 | 0.11940 | 0.11850 |
| 2 | 0.00268 | -0.001703 | 0.00013 | -0.00097 |
| 3 | -0.00170 | 0.004342 | -0.00020 | -0.00002 |
| 4 | 0.00013 | -0.000199 | 0.00101 | -0.00012 |
| 5 | -0.00097 | -0.000019 | -0.00012 | 0.00097 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.12865 | 0.19709 | 0.12081 |
| 2 | 0.00265 | -0.00167 | -0.00095 |
| 3 | -0.00167 | 0.00428 | -0.00004 |
| 4 | -0.00095 | -0.00004 | 0.00096 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24088 | 0.11079 | 0.19564 | 0.14986 |
| 2 | 0.00264 | -0.00171 | 0.00018 | -0.00095 |
| 3 | -0.00171 | 0.00390 | -0.00019 | 0.00001 |
| 4 | 0.00018 | -0.00019 | 0.00084 | -0.00017 |
| 5 | -0.00095 | 0.00001 | -0.00017 | 0.00095 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.21554 | 0.22846 | 0.20438 |
| 2 | 0.00313 | -0.00200 | -0.00110 |
| 3 | -0.00200 | 0.00463 | -0.00004 |
| 4 | -0.00110 | -0.00004 | 0.00110 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.16608 | -0.014263 | 0.14270 | 0.10380 |
| 2 | 0.00249 | -0.001619 | 0.00012 | -0.00086 |
| 3 | -0.00162 | 0.003926 | -0.00007 | -0.00004 |
| 4 | 0.00012 | -0.000070 | 0.00089 | -0.00008 |
| 5 | -0.00086 | -0.000039 | -0.00008 | 0.00089 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.13620 | 0.078466 | 0.094191 |
| 2 | 0.00279 | -0.001815 | -0.000961 |
| 3 | -0.00182 | 0.004422 | -0.000051 |
| 4 | -0.00096 | -0.000051 | 0.000993 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.31880 | 0.16912 | 0.12567 | 0.12841 |
| 2 | 0.00299 | -0.00187 | 0.00009 | -0.00113 |
| 3 | -0.00187 | 0.00413 | -0.00007 | 0.00009 |
| 4 | 0.00009 | -0.00007 | 0.00100 | -0.00015 |
| 5 | -0.00113 | 0.00009 | -0.00015 | 0.00106 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.089069 | 0.072977 | 0.15124 |
| 2 | 0.002981 | -0.001862 | -0.00112 |
| 3 | -0.001862 | 0.004113 | 0.00008 |
| 4 | -0.001117 | 0.000081 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.29503 | 0.11400 | 0.15300 | 0.12888 |
| 2 | 0.00278 | -0.00164 | 0.00007 | -0.00105 |
| 3 | -0.00164 | 0.00400 | -0.00019 | 0.00003 |
| 4 | 0.00007 | -0.00019 | 0.00088 | -0.00006 |
| 5 | -0.00105 | 0.00003 | -0.00006 | 0.00094 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.075441 | 0.21513 | 0.067178 |
| 2 | 0.003181 | -0.00186 | -0.001202 |
| 3 | -0.001857 | 0.00454 | 0.000022 |
| 4 | -0.001202 | 0.00002 | 0.001071 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.22868 | 0.15170 | 0.14865 | 0.12366 |
| 2 | 0.00293 | -0.00187 | 0.00017 | -0.00109 |
| 3 | -0.00187 | 0.00433 | -0.00012 | 0.00008 |
| 4 | 0.00017 | -0.00012 | 0.00103 | -0.00018 |
| 5 | -0.00109 | 0.00008 | -0.00018 | 0.00104 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.16747 | 0.11149 | 0.17916 |
| 2 | 0.00282 | -0.00180 | -0.00103 |
| 3 | -0.00180 | 0.00420 | 0.00006 |
| 4 | -0.00103 | 0.00006 | 0.00098 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.16169 | 0.093924 | 0.16196 | 0.095492 |
| 2 | 0.00270 | -0.001788 | 0.00016 | -0.000949 |
| 3 | -0.00179 | 0.004085 | -0.00014 | 0.000072 |
| 4 | 0.00016 | -0.000140 | 0.00087 | -0.000126 |
| 5 | -0.00095 | 0.000072 | -0.00013 | 0.000912 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.17808 | 0.15984 | 0.14417 |
| 2 | 0.00306 | -0.00202 | -0.00106 |
| 3 | -0.00202 | 0.00466 | 0.00006 |
| 4 | -0.00106 | 0.00006 | 0.00103 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.13416 | 0.068439 | 0.15127 | 0.072161 |
| 2 | 0.00259 | -0.001622 | 0.00016 | -0.000977 |
| 3 | -0.00162 | 0.003993 | -0.00015 | -0.000006 |
| 4 | 0.00016 | -0.000154 | 0.00086 | -0.000150 |
| 5 | -0.00098 | -0.000006 | -0.00015 | 0.000987 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18811 | 0.17853 | 0.17308 |
| 2 | 0.00297 | -0.00185 | -0.00110 |
| 3 | -0.00185 | 0.00460 | -0.00004 |
| 4 | -0.00110 | -0.00004 | 0.00112 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.27817 | 0.20102 | 0.20403 | 0.083879 |
| 2 | 0.00261 | -0.00163 | 0.00015 | -0.000950 |
| 3 | -0.00163 | 0.00405 | -0.00019 | -0.000061 |
| 4 | 0.00015 | -0.00019 | 0.00084 | -0.000172 |
| 5 | -0.00095 | -0.00006 | -0.00017 | 0.000985 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18192 | 0.23126 | 0.20485 |
| 2 | 0.00307 | -0.00190 | -0.00109 |
| 3 | -0.00190 | 0.00478 | -0.00012 |
| 4 | -0.00109 | -0.00012 | 0.00113 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.32576 | 0.16105 | 0.15931 | 0.12563 |
| 2 | 0.00284 | -0.00190 | 0.00020 | -0.00104 |
| 3 | -0.00190 | 0.00402 | -0.00016 | 0.00017 |
| 4 | 0.00020 | -0.00016 | 0.00087 | -0.00015 |
| 5 | -0.00104 | 0.00017 | -0.00015 | 0.00097 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.23424 | 0.18017 | 0.17200 |
| 2 | 0.00320 | -0.00214 | -0.00116 |
| 3 | -0.00214 | 0.00458 | 0.00016 |
| 4 | -0.00116 | 0.00016 | 0.00108 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.16601 | 0.10807 | 0.16474 | 0.021282 |
| 2 | 0.00262 | -0.00170 | 0.00016 | -0.000934 |
| 3 | -0.00170 | 0.00399 | -0.00010 | 0.000001 |
| 4 | 0.00016 | -0.00010 | 0.00089 | -0.000179 |
| 5 | -0.00093 | 0.00000 | -0.00018 | 0.000950 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.17481 | 0.11047 | 0.20025 |
| 2 | 0.00292 | -0.00189 | -0.00101 |
| 3 | -0.00189 | 0.00448 | -0.00002 |
| 4 | -0.00101 | -0.00002 | 0.00103 |

The REG Procedure
Model: MODEL1
Dependent Variable: Y_cont_noint

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 3 | 5257.87924 | 1752.62641 | 1820.76 | <.0001 |
| Error | 99996 | 96254 | 0.96258 | | |
| Corrected Total | 99999 | 101512 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 0.98111 | R-Square | 0.0518 |
| Dependent Mean | -3.07394 | Adj R-Sq | 0.0518 |
| Coeff Var | -31.91703 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -3.24392 | 0.00519 | -625.14 | <.0001 |
| A | 1 | 0.10002 | 0.00630 | 15.89 | <.0001 |
| M_cont | 1 | 0.15971 | 0.00296 | 54.00 | <.0001 |
| C | 1 | 0.11406 | 0.00308 | 37.04 | <.0001 |

| Obs | Intercept | A | M_cont | C |
|---|---|---|---|---|
| 1 | -3.24392 | 0.10002 | 0.15971 | 0.11406 |
| 2 | 0.00003 | -0.00002 | 0.00000 | -0.00001 |
| 3 | -0.00002 | 0.00004 | -0.00000 | 0.00000 |
| 4 | 0.00000 | -0.00000 | 0.00001 | -0.00000 |
| 5 | -0.00001 | 0.00000 | -0.00000 | 0.00001 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3634.53015 | 1817.26507 | 1651.45 | <.0001 |
| Error | 99997 | 110037 | 1.10041 | | |
| Corrected Total | 99999 | 113672 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04900 | R-Square | 0.0320 |
| Dependent Mean | 0.06401 | Adj R-Sq | 0.0320 |
| Coeff Var | 1638.74261 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.18095 | 0.00552 | -32.79 | <.0001 |
| A | 1 | 0.16852 | 0.00671 | 25.11 | <.0001 |
| C | 1 | 0.16863 | 0.00325 | 51.91 | <.0001 |

| Obs | Intercept | A | C |
|---|---|---|---|
| 1 | -0.18095 | 0.16852 | 0.16863 |
| 2 | 0.00003 | -0.00002 | -0.00001 |
| 3 | -0.00002 | 0.00005 | 0.00000 |
| 4 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.10007 | 0.063697 | -0.018442 | 0.22398 |
| 2 | nie | 0.02690 | 0.011873 | 0.006297 | 0.05057 |
| 3 | total effect | 0.12697 | 0.064168 | -0.003066 | 0.24821 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04043 | -0.12842 | 0.14880 | 0.14214 |
| 2 | 1.04043 | 0.00293 | -0.00186 | -0.00104 |
| 3 | 1.04043 | -0.00186 | 0.00449 | 0.00004 |
| 4 | 1.04043 | -0.00104 | 0.00004 | 0.00098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03412 | -0.22416 | 0.21667 | 0.19923 |
| 2 | 1.03412 | 0.00283 | -0.00174 | -0.00102 |
| 3 | 1.03412 | -0.00174 | 0.00443 | -0.00007 |
| 4 | 1.03412 | -0.00102 | -0.00007 | 0.00103 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01811 | -0.16069 | 0.15279 | 0.12825 |
| 2 | 1.01811 | 0.00285 | -0.00179 | -0.00100 |
| 3 | 1.01811 | -0.00179 | 0.00424 | -0.00002 |
| 4 | 1.01811 | -0.00100 | -0.00002 | 0.00097 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02559 | -0.19242 | 0.13314 | 0.18907 |
| 2 | 1.02559 | 0.00277 | -0.00175 | -0.00096 |
| 3 | 1.02559 | -0.00175 | 0.00432 | -0.00008 |
| 4 | 1.02559 | -0.00096 | -0.00008 | 0.00097 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03656 | -0.14890 | 0.12606 | 0.20692 |
| 2 | 1.03656 | 0.00291 | -0.00182 | -0.00103 |
| 3 | 1.03656 | -0.00182 | 0.00443 | -0.00001 |
| 4 | 1.03656 | -0.00103 | -0.00001 | 0.00099 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06595 | -0.092703 | 0.11766 | 0.094252 |
| 2 | 1.06595 | 0.002777 | -0.00176 | -0.000978 |
| 3 | 1.06595 | -0.001765 | 0.00476 | -0.000139 |
| 4 | 1.06595 | -0.000978 | -0.00014 | 0.001080 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09933 | -0.29838 | 0.16164 | 0.23289 |
| 2 | 1.09933 | 0.00348 | -0.00214 | -0.00124 |
| 3 | 1.09933 | -0.00214 | 0.00490 | -0.00002 |
| 4 | 1.09933 | -0.00124 | -0.00002 | 0.00117 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08011 | -0.20523 | 0.19161 | 0.19311 |
| 2 | 1.08011 | 0.00332 | -0.00206 | -0.00119 |
| 3 | 1.08011 | -0.00206 | 0.00474 | -0.00001 |
| 4 | 1.08011 | -0.00119 | -0.00001 | 0.00113 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06233 | -0.17952 | 0.13611 | 0.19388 |
| 2 | 1.06233 | 0.00296 | -0.00190 | -0.00103 |
| 3 | 1.06233 | -0.00190 | 0.00468 | 0.00000 |
| 4 | 1.06233 | -0.00103 | 0.00000 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05881 | -0.22587 | 0.18391 | 0.19603 |
| 2 | 1.05881 | 0.00309 | -0.00196 | -0.00115 |
| 3 | 1.05881 | -0.00196 | 0.00464 | 0.00007 |
| 4 | 1.05881 | -0.00115 | 0.00007 | 0.00111 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09380 | -0.25916 | 0.19597 | 0.24820 |
| 2 | 1.09380 | 0.00356 | -0.00217 | -0.00130 |
| 3 | 1.09380 | -0.00217 | 0.00486 | 0.00004 |
| 4 | 1.09380 | -0.00130 | 0.00004 | 0.00117 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04975 | -0.12155 | 0.15082 | 0.12485 |
| 2 | 1.04975 | 0.00283 | -0.00182 | -0.00099 |
| 3 | 1.04975 | -0.00182 | 0.00457 | -0.00003 |
| 4 | 1.04975 | -0.00099 | -0.00003 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04977 | -0.16556 | 0.17506 | 0.17837 |
| 2 | 1.04977 | 0.00303 | -0.00193 | -0.00109 |
| 3 | 1.04977 | -0.00193 | 0.00454 | 0.00004 |
| 4 | 1.04977 | -0.00109 | 0.00004 | 0.00104 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06109 | -0.15967 | 0.13087 | 0.15061 |
| 2 | 1.06109 | 0.00312 | -0.00201 | -0.00110 |
| 3 | 1.06109 | -0.00201 | 0.00457 | -0.00001 |
| 4 | 1.06109 | -0.00110 | -0.00001 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06133 | -0.10259 | 0.15260 | 0.15880 |
| 2 | 1.06133 | 0.00312 | -0.00199 | -0.00103 |
| 3 | 1.06133 | -0.00199 | 0.00454 | -0.00009 |
| 4 | 1.06133 | -0.00103 | -0.00009 | 0.00103 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09337 | -0.14444 | 0.16212 | 0.16268 |
| 2 | 1.09337 | 0.00343 | -0.00209 | -0.00125 |
| 3 | 1.09337 | -0.00209 | 0.00491 | 0.00003 |
| 4 | 1.09337 | -0.00125 | 0.00003 | 0.00114 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03348 | -0.098494 | 0.003821588 | 0.14769 |
| 2 | 1.03348 | 0.002906 | -.001800983 | -0.00103 |
| 3 | 1.03348 | -0.001801 | 0.004415491 | -0.00001 |
| 4 | 1.03348 | -0.001028 | -.000008762 | 0.00096 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02908 | -0.068988 | 0.16130 | 0.12421 |
| 2 | 1.02908 | 0.002933 | -0.00186 | -0.00100 |
| 3 | 1.02908 | -0.001860 | 0.00431 | -0.00001 |
| 4 | 1.02908 | -0.001004 | -0.00001 | 0.00095 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05844 | -0.18891 | 0.055382 | 0.18126 |
| 2 | 1.05844 | 0.00326 | -0.002129 | -0.00112 |
| 3 | 1.05844 | -0.00213 | 0.004557 | 0.00011 |
| 4 | 1.05844 | -0.00112 | 0.000112 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01933 | -0.21311 | 0.14503 | 0.21604 |
| 2 | 1.01933 | 0.00269 | -0.00172 | -0.00096 |
| 3 | 1.01933 | -0.00172 | 0.00431 | -0.00003 |
| 4 | 1.01933 | -0.00096 | -0.00003 | 0.00098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05415 | -0.16760 | 0.16077 | 0.13624 |
| 2 | 1.05415 | 0.00285 | -0.00189 | -0.00099 |
| 3 | 1.05415 | -0.00189 | 0.00455 | -0.00004 |
| 4 | 1.05415 | -0.00099 | -0.00004 | 0.00107 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05282 | -0.22343 | 0.19326 | 0.12836 |
| 2 | 1.05282 | 0.00318 | -0.00203 | -0.00110 |
| 3 | 1.05282 | -0.00203 | 0.00451 | 0.00005 |
| 4 | 1.05282 | -0.00110 | 0.00005 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00325 | -0.14450 | 0.11898 | 0.17487 |
| 2 | 1.00325 | 0.00287 | -0.00185 | -0.00101 |
| 3 | 1.00325 | -0.00185 | 0.00413 | 0.00009 |
| 4 | 1.00325 | -0.00101 | 0.00009 | 0.00090 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06990 | -0.24687 | 0.24905 | 0.16461 |
| 2 | 1.06990 | 0.00329 | -0.00212 | -0.00127 |
| 3 | 1.06990 | -0.00212 | 0.00476 | 0.00017 |
| 4 | 1.06990 | -0.00127 | 0.00017 | 0.00119 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07931 | -0.18630 | 0.14712 | 0.18946 |
| 2 | 1.07931 | 0.00299 | -0.00201 | -0.00099 |
| 3 | 1.07931 | -0.00201 | 0.00478 | -0.00000 |
| 4 | 1.07931 | -0.00099 | -0.00000 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08235 | -0.19791 | 0.13000 | 0.15177 |
| 2 | 1.08235 | 0.00333 | -0.00211 | -0.00118 |
| 3 | 1.08235 | -0.00211 | 0.00476 | 0.00003 |
| 4 | 1.08235 | -0.00118 | 0.00003 | 0.00112 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08478 | -0.27141 | 0.21582 | 0.21855 |
| 2 | 1.08478 | 0.00325 | -0.00195 | -0.00117 |
| 3 | 1.08478 | -0.00195 | 0.00485 | -0.00006 |
| 4 | 1.08478 | -0.00117 | -0.00006 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05126 | -0.10493 | 0.075826 | 0.17550 |
| 2 | 1.05126 | 0.00303 | -0.001991 | -0.00104 |
| 3 | 1.05126 | -0.00199 | 0.004509 | 0.00005 |
| 4 | 1.05126 | -0.00104 | 0.000047 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06551 | -0.26519 | 0.18915 | 0.18345 |
| 2 | 1.06551 | 0.00312 | -0.00202 | -0.00109 |
| 3 | 1.06551 | -0.00202 | 0.00462 | 0.00001 |
| 4 | 1.06551 | -0.00109 | 0.00001 | 0.00108 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04109 | -0.099330 | 0.19603 | 0.13620 |
| 2 | 1.04109 | 0.003268 | -0.00203 | -0.00118 |
| 3 | 1.04109 | -0.002029 | 0.00440 | 0.00007 |
| 4 | 1.04109 | -0.001181 | 0.00007 | 0.00106 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06549 | -0.22084 | 0.10629 | 0.22559 |
| 2 | 1.06549 | 0.00301 | -0.00181 | -0.00113 |
| 3 | 1.06549 | -0.00181 | 0.00475 | -0.00007 |
| 4 | 1.06549 | -0.00113 | -0.00007 | 0.00113 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03233 | -0.17105 | 0.15823 | 0.11350 |
| 2 | 1.03233 | 0.00289 | -0.00188 | -0.00096 |
| 3 | 1.03233 | -0.00188 | 0.00431 | -0.00004 |
| 4 | 1.03233 | -0.00096 | -0.00004 | 0.00095 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07137 | -0.21331 | 0.20661 | 0.18824 |
| 2 | 1.07137 | 0.00325 | -0.00201 | -0.00122 |
| 3 | 1.07137 | -0.00201 | 0.00473 | 0.00005 |
| 4 | 1.07137 | -0.00122 | 0.00005 | 0.00117 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03077 | -0.18707 | 0.19982 | 0.16549 |
| 2 | 1.03077 | 0.00288 | -0.00177 | -0.00102 |
| 3 | 1.03077 | -0.00177 | 0.00436 | -0.00007 |
| 4 | 1.03077 | -0.00102 | -0.00007 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01965 | -0.20806 | 0.089928 | 0.20487 |
| 2 | 1.01965 | 0.00295 | -0.001976 | -0.00102 |
| 3 | 1.01965 | -0.00198 | 0.004244 | 0.00012 |
| 4 | 1.01965 | -0.00102 | 0.000123 | 0.00094 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06394 | -0.17544 | 0.13313 | 0.22884 |
| 2 | 1.06394 | 0.00310 | -0.00190 | -0.00111 |
| 3 | 1.06394 | -0.00190 | 0.00462 | -0.00010 |
| 4 | 1.06394 | -0.00111 | -0.00010 | 0.00113 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05606 | -0.24369 | 0.19482 | 0.21879 |
| 2 | 1.05606 | 0.00317 | -0.00200 | -0.00119 |
| 3 | 1.05606 | -0.00200 | 0.00462 | 0.00010 |
| 4 | 1.05606 | -0.00119 | 0.00010 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05152 | -0.14404 | 0.17390 | 0.19756 |
| 2 | 1.05152 | 0.00296 | -0.00192 | -0.00105 |
| 3 | 1.05152 | -0.00192 | 0.00455 | 0.00002 |
| 4 | 1.05152 | -0.00105 | 0.00002 | 0.00103 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05364 | -0.12378 | 0.20443 | 0.11552 |
| 2 | 1.05364 | 0.00319 | -0.00195 | -0.00119 |
| 3 | 1.05364 | -0.00195 | 0.00458 | 0.00005 |
| 4 | 1.05364 | -0.00119 | 0.00005 | 0.00109 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00522 | -0.18026 | 0.15485 | 0.19715 |
| 2 | 1.00522 | 0.00276 | -0.00176 | -0.00100 |
| 3 | 1.00522 | -0.00176 | 0.00417 | 0.00004 |
| 4 | 1.00522 | -0.00100 | 0.00004 | 0.00096 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06292 | -0.17134 | 0.16887 | 0.22099 |
| 2 | 1.06292 | 0.00299 | -0.00192 | -0.00100 |
| 3 | 1.06292 | -0.00192 | 0.00460 | -0.00009 |
| 4 | 1.06292 | -0.00100 | -0.00009 | 0.00102 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07834 | -0.26277 | 0.21024 | 0.20574 |
| 2 | 1.07834 | 0.00336 | -0.00221 | -0.00122 |
| 3 | 1.07834 | -0.00221 | 0.00475 | 0.00015 |
| 4 | 1.07834 | -0.00122 | 0.00015 | 0.00115 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07409 | -0.22495 | 0.25022 | 0.15602 |
| 2 | 1.07409 | 0.00293 | -0.00183 | -0.00103 |
| 3 | 1.07409 | -0.00183 | 0.00477 | -0.00016 |
| 4 | 1.07409 | -0.00103 | -0.00016 | 0.00112 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04571 | -0.18075 | 0.17815 | 0.18520 |
| 2 | 1.04571 | 0.00306 | -0.00203 | -0.00108 |
| 3 | 1.04571 | -0.00203 | 0.00447 | 0.00011 |
| 4 | 1.04571 | -0.00108 | 0.00011 | 0.00102 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03676 | -0.098241 | 0.11541 | 0.14042 |
| 2 | 1.03676 | 0.002929 | -0.00182 | -0.00103 |
| 3 | 1.03676 | -0.001816 | 0.00440 | -0.00006 |
| 4 | 1.03676 | -0.001031 | -0.00006 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03628 | -0.14275 | 0.16564 | 0.18364 |
| 2 | 1.03628 | 0.00296 | -0.00187 | -0.00103 |
| 3 | 1.03628 | -0.00187 | 0.00434 | -0.00009 |
| 4 | 1.03628 | -0.00103 | -0.00009 | 0.00106 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01217 | -0.27598 | 0.22732 | 0.22428 |
| 2 | 1.01217 | 0.00277 | -0.00178 | -0.00101 |
| 3 | 1.01217 | -0.00178 | 0.00422 | 0.00003 |
| 4 | 1.01217 | -0.00101 | 0.00003 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01411 | -0.16863 | 0.15467 | 0.20510 |
| 2 | 1.01411 | 0.00275 | -0.00175 | -0.00098 |
| 3 | 1.01411 | -0.00175 | 0.00427 | 0.00002 |
| 4 | 1.01411 | -0.00098 | 0.00002 | 0.00094 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05263 | -0.16512 | 0.13439 | 0.20152 |
| 2 | 1.05263 | 0.00305 | -0.00170 | -0.00117 |
| 3 | 1.05263 | -0.00170 | 0.00471 | -0.00008 |
| 4 | 1.05263 | -0.00117 | -0.00008 | 0.00108 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04312 | -0.22872 | 0.12788 | 0.20026 |
| 2 | 1.04312 | 0.00297 | -0.00191 | -0.00110 |
| 3 | 1.04312 | -0.00191 | 0.00449 | 0.00005 |
| 4 | 1.04312 | -0.00110 | 0.00005 | 0.00108 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06810 | -0.22570 | 0.17254 | 0.19928 |
| 2 | 1.06810 | 0.00326 | -0.00195 | -0.00117 |
| 3 | 1.06810 | -0.00195 | 0.00465 | -0.00005 |
| 4 | 1.06810 | -0.00117 | -0.00005 | 0.00109 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03480 | -0.30021 | 0.21447 | 0.23683 |
| 2 | 1.03480 | 0.00298 | -0.00195 | -0.00105 |
| 3 | 1.03480 | -0.00195 | 0.00443 | 0.00011 |
| 4 | 1.03480 | -0.00105 | 0.00011 | 0.00095 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02635 | -0.12327 | 0.12425 | 0.13896 |
| 2 | 1.02635 | 0.00279 | -0.00179 | -0.00102 |
| 3 | 1.02635 | -0.00179 | 0.00438 | 0.00003 |
| 4 | 1.02635 | -0.00102 | 0.00003 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08128 | -0.14402 | 0.23343 | 0.14896 |
| 2 | 1.08128 | 0.00332 | -0.00209 | -0.00122 |
| 3 | 1.08128 | -0.00209 | 0.00480 | 0.00007 |
| 4 | 1.08128 | -0.00122 | 0.00007 | 0.00115 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02183 | -0.14173 | 0.26296 | 0.12081 |
| 2 | 1.02183 | 0.00282 | -0.00181 | -0.00096 |
| 3 | 1.02183 | -0.00181 | 0.00426 | -0.00002 |
| 4 | 1.02183 | -0.00096 | -0.00002 | 0.00093 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04537 | -0.16194 | 0.11130 | 0.16065 |
| 2 | 1.04537 | 0.00297 | -0.00188 | -0.00105 |
| 3 | 1.04537 | -0.00188 | 0.00449 | -0.00000 |
| 4 | 1.04537 | -0.00105 | -0.00000 | 0.00102 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04670 | -0.27477 | 0.32420 | 0.22859 |
| 2 | 1.04670 | 0.00312 | -0.00200 | -0.00115 |
| 3 | 1.04670 | -0.00200 | 0.00454 | 0.00013 |
| 4 | 1.04670 | -0.00115 | 0.00013 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08272 | -0.17721 | 0.16076 | 0.17360 |
| 2 | 1.08272 | 0.00361 | -0.00224 | -0.00141 |
| 3 | 1.08272 | -0.00224 | 0.00484 | 0.00020 |
| 4 | 1.08272 | -0.00141 | 0.00020 | 0.00125 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.10408 | -0.22685 | 0.16709 | 0.19145 |
| 2 | 1.10408 | 0.00338 | -0.00219 | -0.00122 |
| 3 | 1.10408 | -0.00219 | 0.00496 | 0.00004 |
| 4 | 1.10408 | -0.00122 | 0.00004 | 0.00120 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00406 | -0.25486 | 0.17396 | 0.17665 |
| 2 | 1.00406 | 0.00291 | -0.00177 | -0.00107 |
| 3 | 1.00406 | -0.00177 | 0.00414 | 0.00003 |
| 4 | 1.00406 | -0.00107 | 0.00003 | 0.00098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06096 | -0.14079 | 0.22679 | 0.15141 |
| 2 | 1.06096 | 0.00319 | -0.00201 | -0.00117 |
| 3 | 1.06096 | -0.00201 | 0.00459 | 0.00004 |
| 4 | 1.06096 | -0.00117 | 0.00004 | 0.00114 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05865 | -0.12680 | 0.11859 | 0.14199 |
| 2 | 1.05865 | 0.00305 | -0.00185 | -0.00108 |
| 3 | 1.05865 | -0.00185 | 0.00460 | -0.00009 |
| 4 | 1.05865 | -0.00108 | -0.00009 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02509 | -0.20663 | 0.21168 | 0.16438 |
| 2 | 1.02509 | 0.00294 | -0.00177 | -0.00110 |
| 3 | 1.02509 | -0.00177 | 0.00435 | 0.00000 |
| 4 | 1.02509 | -0.00110 | 0.00000 | 0.00104 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07987 | -0.28301 | 0.21773 | 0.23266 |
| 2 | 1.07987 | 0.00321 | -0.00216 | -0.00112 |
| 3 | 1.07987 | -0.00216 | 0.00477 | 0.00011 |
| 4 | 1.07987 | -0.00112 | 0.00011 | 0.00108 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03882 | -0.14296 | 0.10453 | 0.18812 |
| 2 | 1.03882 | 0.00318 | -0.00197 | -0.00117 |
| 3 | 1.03882 | -0.00197 | 0.00443 | 0.00009 |
| 4 | 1.03882 | -0.00117 | 0.00009 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02910 | -0.26314 | 0.23725 | 0.21632 |
| 2 | 1.02910 | 0.00285 | -0.00178 | -0.00101 |
| 3 | 1.02910 | -0.00178 | 0.00434 | -0.00006 |
| 4 | 1.02910 | -0.00101 | -0.00006 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02222 | -0.23445 | 0.22320 | 0.16492 |
| 2 | 1.02222 | 0.00299 | -0.00176 | -0.00110 |
| 3 | 1.02222 | -0.00176 | 0.00424 | -0.00015 |
| 4 | 1.02222 | -0.00110 | -0.00015 | 0.00111 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99416 | -0.13779 | 0.060215 | 0.16275 |
| 2 | 0.99416 | 0.00271 | -0.001756 | -0.00095 |
| 3 | 0.99416 | -0.00176 | 0.004011 | -0.00001 |
| 4 | 0.99416 | -0.00095 | -0.000009 | 0.00096 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06221 | -0.16224 | 0.16742 | 0.15397 |
| 2 | 1.06221 | 0.00323 | -0.00204 | -0.00124 |
| 3 | 1.06221 | -0.00204 | 0.00465 | 0.00010 |
| 4 | 1.06221 | -0.00124 | 0.00010 | 0.00120 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04656 | -0.074502 | 0.14025 | 0.15068 |
| 2 | 1.04656 | 0.003065 | -0.00200 | -0.00106 |
| 3 | 1.04656 | -0.002005 | 0.00446 | 0.00006 |
| 4 | 1.04656 | -0.001063 | 0.00006 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00305 | -0.13732 | 0.24334 | 0.077208 |
| 2 | 1.00305 | 0.00280 | -0.00173 | -0.001046 |
| 3 | 1.00305 | -0.00173 | 0.00417 | 0.000030 |
| 4 | 1.00305 | -0.00105 | 0.00003 | 0.000993 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03608 | -0.16327 | 0.21358 | 0.12451 |
| 2 | 1.03608 | 0.00320 | -0.00208 | -0.00114 |
| 3 | 1.03608 | -0.00208 | 0.00440 | 0.00016 |
| 4 | 1.03608 | -0.00114 | 0.00016 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00786 | -0.32441 | 0.27908 | 0.25980 |
| 2 | 1.00786 | 0.00288 | -0.00180 | -0.00104 |
| 3 | 1.00786 | -0.00180 | 0.00417 | 0.00004 |
| 4 | 1.00786 | -0.00104 | 0.00004 | 0.00096 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05343 | -0.17915 | 0.31088 | 0.14912 |
| 2 | 1.05343 | 0.00311 | -0.00199 | -0.00110 |
| 3 | 1.05343 | -0.00199 | 0.00452 | 0.00004 |
| 4 | 1.05343 | -0.00110 | 0.00004 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08129 | -0.19273 | 0.13144 | 0.22909 |
| 2 | 1.08129 | 0.00322 | -0.00208 | -0.00115 |
| 3 | 1.08129 | -0.00208 | 0.00481 | 0.00007 |
| 4 | 1.08129 | -0.00115 | 0.00007 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04387 | -0.22006 | 0.14430 | 0.23985 |
| 2 | 1.04387 | 0.00293 | -0.00201 | -0.00099 |
| 3 | 1.04387 | -0.00201 | 0.00443 | 0.00007 |
| 4 | 1.04387 | -0.00099 | 0.00007 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06576 | -0.14843 | 0.15582 | 0.15051 |
| 2 | 1.06576 | 0.00318 | -0.00208 | -0.00112 |
| 3 | 1.06576 | -0.00208 | 0.00463 | 0.00008 |
| 4 | 1.06576 | -0.00112 | 0.00008 | 0.00106 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04553 | -0.17549 | 0.003071952 | 0.22114 |
| 2 | 1.04553 | 0.00312 | -.002027892 | -0.00113 |
| 3 | 1.04553 | -0.00203 | 0.004483020 | 0.00011 |
| 4 | 1.04553 | -0.00113 | 0.000114802 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05051 | -0.17596 | 0.10196 | 0.17150 |
| 2 | 1.05051 | 0.00306 | -0.00189 | -0.00113 |
| 3 | 1.05051 | -0.00189 | 0.00457 | 0.00002 |
| 4 | 1.05051 | -0.00113 | 0.00002 | 0.00107 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04718 | -0.23299 | 0.25319 | 0.18372 |
| 2 | 1.04718 | 0.00299 | -0.00190 | -0.00110 |
| 3 | 1.04718 | -0.00190 | 0.00455 | 0.00005 |
| 4 | 1.04718 | -0.00110 | 0.00005 | 0.00107 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02648 | -0.28807 | 0.26117 | 0.22554 |
| 2 | 1.02648 | 0.00287 | -0.00179 | -0.00105 |
| 3 | 1.02648 | -0.00179 | 0.00435 | -0.00000 |
| 4 | 1.02648 | -0.00105 | -0.00000 | 0.00102 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06158 | -0.23634 | 0.16363 | 0.22730 |
| 2 | 1.06158 | 0.00312 | -0.00194 | -0.00113 |
| 3 | 1.06158 | -0.00194 | 0.00462 | -0.00001 |
| 4 | 1.06158 | -0.00113 | -0.00001 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03774 | -0.16250 | 0.25176 | 0.14437 |
| 2 | 1.03774 | 0.00313 | -0.00193 | -0.00118 |
| 3 | 1.03774 | -0.00193 | 0.00440 | 0.00004 |
| 4 | 1.03774 | -0.00118 | 0.00004 | 0.00112 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08753 | -0.15535 | 0.14369 | 0.14219 |
| 2 | 1.08753 | 0.00299 | -0.00187 | -0.00108 |
| 3 | 1.08753 | -0.00187 | 0.00501 | -0.00005 |
| 4 | 1.08753 | -0.00108 | -0.00005 | 0.00110 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06105 | -0.18740 | 0.27445 | 0.17202 |
| 2 | 1.06105 | 0.00307 | -0.00206 | -0.00104 |
| 3 | 1.06105 | -0.00206 | 0.00458 | 0.00006 |
| 4 | 1.06105 | -0.00104 | 0.00006 | 0.00102 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05755 | -0.17613 | 0.18003 | 0.16944 |
| 2 | 1.05755 | 0.00304 | -0.00202 | -0.00107 |
| 3 | 1.05755 | -0.00202 | 0.00465 | 0.00012 |
| 4 | 1.05755 | -0.00107 | 0.00012 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06079 | -0.035836 | 0.045459 | 0.12506 |
| 2 | 1.06079 | 0.002981 | -0.001925 | -0.00102 |
| 3 | 1.06079 | -0.001925 | 0.004583 | -0.00007 |
| 4 | 1.06079 | -0.001020 | -0.000068 | 0.00105 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05851 | -0.19180 | 0.21024 | 0.19535 |
| 2 | 1.05851 | 0.00308 | -0.00190 | -0.00107 |
| 3 | 1.05851 | -0.00190 | 0.00455 | -0.00010 |
| 4 | 1.05851 | -0.00107 | -0.00010 | 0.00106 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06926 | -0.18335 | 0.23799 | 0.15167 |
| 2 | 1.06926 | 0.00325 | -0.00200 | -0.00124 |
| 3 | 1.06926 | -0.00200 | 0.00469 | 0.00002 |
| 4 | 1.06926 | -0.00124 | 0.00002 | 0.00120 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03531 | -0.25159 | 0.26225 | 0.20278 |
| 2 | 1.03531 | 0.00273 | -0.00172 | -0.00096 |
| 3 | 1.03531 | -0.00172 | 0.00446 | -0.00009 |
| 4 | 1.03531 | -0.00096 | -0.00009 | 0.00100 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04061 | -0.19799 | 0.21542 | 0.18883 |
| 2 | 1.04061 | 0.00291 | -0.00188 | -0.00100 |
| 3 | 1.04061 | -0.00188 | 0.00442 | -0.00001 |
| 4 | 1.04061 | -0.00100 | -0.00001 | 0.00098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05784 | -0.16712 | 0.18782 | 0.15442 |
| 2 | 1.05784 | 0.00312 | -0.00196 | -0.00110 |
| 3 | 1.05784 | -0.00196 | 0.00458 | 0.00001 |
| 4 | 1.05784 | -0.00110 | 0.00001 | 0.00103 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06526 | -0.099612 | 0.099025 | 0.12789 |
| 2 | 1.06526 | 0.003462 | -0.002159 | -0.00125 |
| 3 | 1.06526 | -0.002159 | 0.004609 | 0.00011 |
| 4 | 1.06526 | -0.001246 | 0.000106 | 0.00109 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01145 | -0.22903 | 0.24026 | 0.16044 |
| 2 | 1.01145 | 0.00283 | -0.00175 | -0.00110 |
| 3 | 1.01145 | -0.00175 | 0.00426 | 0.00004 |
| 4 | 1.01145 | -0.00110 | 0.00004 | 0.00109 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05344 | -0.15874 | 0.20907 | 0.20068 |
| 2 | 1.05344 | 0.00301 | -0.00196 | -0.00106 |
| 3 | 1.05344 | -0.00196 | 0.00453 | 0.00001 |
| 4 | 1.05344 | -0.00106 | 0.00001 | 0.00106 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02733 | -0.18284 | 0.21535 | 0.17795 |
| 2 | 1.02733 | 0.00294 | -0.00180 | -0.00108 |
| 3 | 1.02733 | -0.00180 | 0.00437 | 0.00001 |
| 4 | 1.02733 | -0.00108 | 0.00001 | 0.00101 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06812 | -0.23575 | 0.10056 | 0.20617 |
| 2 | 1.06812 | 0.00332 | -0.00206 | -0.00121 |
| 3 | 1.06812 | -0.00206 | 0.00467 | 0.00006 |
| 4 | 1.06812 | -0.00121 | 0.00006 | 0.00109 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05407 | -0.35224 | 0.33884 | 0.25551 |
| 2 | 1.05407 | 0.00328 | -0.00215 | -0.00121 |
| 3 | 1.05407 | -0.00215 | 0.00457 | 0.00018 |
| 4 | 1.05407 | -0.00121 | 0.00018 | 0.00108 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03492 | -0.17840 | 0.077912 | 0.20498 |
| 2 | 1.03492 | 0.00294 | -0.001800 | -0.00103 |
| 3 | 1.03492 | -0.00180 | 0.004389 | -0.00006 |
| 4 | 1.03492 | -0.00103 | -0.000057 | 0.00098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06166 | -0.22358 | 0.21674 | 0.16054 |
| 2 | 1.06166 | 0.00303 | -0.00196 | -0.00109 |
| 3 | 1.06166 | -0.00196 | 0.00465 | 0.00004 |
| 4 | 1.06166 | -0.00109 | 0.00004 | 0.00108 |

The LOGISTIC Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Response Variable | Y_bin_noint |
| Number of Response Levels | 2 |
| Model | binary logit |
| Optimization Technique | Fisher's scoring |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 3626 |
| 2 | 0 | 96374 |

Probability modeled is Y_bin_noint='1'.

| Model Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Intercept Only | Intercept and Covariates |
| AIC | 31176.077 | 30818.214 |
| SC | 31185.590 | 30856.266 |
| -2 Log L | 31174.077 | 30810.214 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 363.8631 | 3 | <.0001 |
| Score | 362.4488 | 3 | <.0001 |
| Wald | 359.3816 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | |
|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2974 | 0.0288 | 13132.1939 | <.0001 |
| A | 1 | -0.4498 | 0.0362 | 154.5653 | <.0001 |
| M_cont | 1 | 0.1665 | 0.0162 | 105.4403 | <.0001 |
| C | 1 | 0.1424 | 0.0167 | 73.0953 | <.0001 |

The LOGISTIC Procedure

| Odds Ratio Estimates | | | |
|---|---|---|---|
| Effect | Point Estimate | 95% Wald Confidence Limits | |
| A | 0.638 | 0.594 | 0.685 |
| M_cont | 1.181 | 1.144 | 1.219 |
| C | 1.153 | 1.116 | 1.191 |

| Association of Predicted Probabilities and Observed Responses | | | |
|---|---|---|---|
| Percent Concordant | 57.7 | Somers' D | 0.153 |
| Percent Discordant | 42.3 | Gamma | 0.153 |
| Percent Tied | 0.0 | Tau-a | 0.011 |
| Pairs | 349452124 | c | 0.577 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 4043.53835 | 2021.76917 | 1834.07 | <.0001 |
| Error | 99997 | 110231 | 1.10234 | | |
| Corrected Total | 99999 | 114274 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04992 | R-Square | 0.0354 |
| Dependent Mean | 0.07013 | Adj R-Sq | 0.0354 |
| Coeff Var | 1497.15692 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.18697 | 0.00551 | -33.90 | <.0001 |
| A | 1 | 0.17329 | 0.00672 | 25.78 | <.0001 |
| C | 1 | 0.17796 | 0.00324 | 55.00 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04992 | -0.18697 | 0.17329 | 0.17796 |
| 2 | 1.04992 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.04992 | -0.00002 | 0.00005 | 0.00000 |
| 4 | 1.04992 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.66186 | 0.21675 | 0.29359 | 1.25330 |
| 2 | nie | 1.02942 | 0.02711 | 0.97800 | 1.08605 |
| 3 | total effect | 0.68139 | 0.22243 | 0.30595 | 1.25628 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA11 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -151.5961 | |
| Full Log Likelihood | | -151.5961 | |
| AIC (smaller is better) | | 311.1921 | |
| AICC (smaller is better) | | 311.2323 | |
| BIC (smaller is better) | | 330.8231 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08018 | -0.03997 | 0.007914 | -0.03413 |
| Prm2 | -0.03997 | 0.14432 | -0.002734 | 0.003471 |
| Prm3 | 0.007914 | -0.002734 | 0.02454 | -0.004292 |
| Prm4 | -0.03413 | 0.003471 | -0.004292 | 0.02603 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3591 | 0.2832 | -3.9141 | -2.8041 | 140.73 | <.0001 |
| A | 1 | -0.6776 | 0.3799 | -1.4222 | 0.0669 | 3.18 | 0.0745 |
| M_cont | 1 | -0.1863 | 0.1566 | -0.4933 | 0.1207 | 1.41 | 0.2343 |
| C | 1 | 0.2257 | 0.1614 | -0.0905 | 0.5420 | 1.96 | 0.1618 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02697 | -0.12506 | 0.12498 | 0.17953 |
| 2 | 1.02697 | 0.00301 | -0.00188 | -0.00114 |
| 3 | 1.02697 | -0.00188 | 0.00438 | 0.00010 |
| 4 | 1.02697 | -0.00114 | 0.00010 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA12 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 33 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 33 |
| 2 | 0 | 967 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -143.4591 | |
| Full Log Likelihood | | -143.4591 | |
| AIC (smaller is better) | | 294.9183 | |
| AICC (smaller is better) | | 294.9585 | |
| BIC (smaller is better) | | 314.5493 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10212 | -0.05513 | 0.002629 | -0.03832 |
| Prm2 | -0.05513 | 0.12277 | -0.008930 | 0.004105 |
| Prm3 | 0.002629 | -0.008930 | 0.02656 | -0.004513 |
| Prm4 | -0.03832 | 0.004105 | -0.004513 | 0.02884 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.7426 | 0.3196 | -4.3689 | -3.1162 | 137.16 | <.0001 |
| A | 1 | 0.0383 | 0.3504 | -0.6485 | 0.7250 | 0.01 | 0.9130 |
| M_cont | 1 | 0.1057 | 0.1630 | -0.2137 | 0.4252 | 0.42 | 0.5165 |
| C | 1 | 0.2564 | 0.1698 | -0.0764 | 0.5893 | 2.28 | 0.1310 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04317 | -0.21473 | 0.30281 | 0.17852 |
| 2 | 1.04317 | 0.00296 | -0.00189 | -0.00108 |
| 3 | 1.04317 | -0.00189 | 0.00450 | 0.00005 |
| 4 | 1.04317 | -0.00108 | 0.00005 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA13 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -161.3464 | |
| Full Log Likelihood | | -161.3464 | |
| AIC (smaller is better) | | 330.6928 | |
| AICC (smaller is better) | | 330.7330 | |
| BIC (smaller is better) | | 350.3238 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08011 | -0.03603 | 0.001288 | -0.03309 |
| Prm2 | -0.03603 | 0.11605 | -0.002252 | 0.0008377 |
| Prm3 | 0.001288 | -0.002252 | 0.02047 | -0.002209 |
| Prm4 | -0.03309 | 0.0008377 | -0.002209 | 0.02440 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4446 | 0.2830 | -3.9994 | -2.8898 | 148.10 | <.0001 |
| A | 1 | -0.5054 | 0.3407 | -1.1731 | 0.1622 | 2.20 | 0.1379 |
| M_cont | 1 | 0.0384 | 0.1431 | -0.2420 | 0.3188 | 0.07 | 0.7885 |
| C | 1 | 0.3247 | 0.1562 | 0.0186 | 0.6309 | 4.32 | 0.0376 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08495 | -0.092649 | 0.12183 | 0.089293 |
| 2 | 1.08495 | 0.003259 | -0.00206 | -0.001199 |
| 3 | 1.08495 | -0.002059 | 0.00482 | 0.000018 |
| 4 | 1.08495 | -0.001199 | 0.00002 | 0.001180 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA14 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -164.2408 | |
| Full Log Likelihood | | -164.2408 | |
| AIC (smaller is better) | | 336.4817 | |
| AICC (smaller is better) | | 336.5219 | |
| BIC (smaller is better) | | 356.1127 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06579 | -0.04162 | 0.001696 | -0.02375 |
| Prm2 | -0.04162 | 0.10553 | -0.005438 | 0.002190 |
| Prm3 | 0.001696 | -0.005438 | 0.02354 | -0.004154 |
| Prm4 | -0.02375 | 0.002190 | -0.004154 | 0.02206 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1596 | 0.2565 | -3.6623 | -2.6569 | 151.74 | <.0001 |
| A | 1 | -0.2331 | 0.3248 | -0.8697 | 0.4036 | 0.51 | 0.4731 |
| M_cont | 1 | 0.1180 | 0.1534 | -0.1828 | 0.4187 | 0.59 | 0.4420 |
| C | 1 | -0.0057 | 0.1485 | -0.2968 | 0.2854 | 0.00 | 0.9693 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02584 | -0.17580 | 0.20517 | 0.16220 |
| 2 | 1.02584 | 0.00298 | -0.00195 | -0.00102 |
| 3 | 1.02584 | -0.00195 | 0.00429 | 0.00008 |
| 4 | 1.02584 | -0.00102 | 0.00008 | 0.00093 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA15 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -132.9170 | |
| Full Log Likelihood | | -132.9170 | |
| AIC (smaller is better) | | 273.8340 | |
| AICC (smaller is better) | | 273.8742 | |
| BIC (smaller is better) | | 293.4650 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09493 | -0.05227 | -0.002846 | -0.03503 |
| Prm2 | -0.05227 | 0.13595 | -0.006966 | 0.0008836 |
| Prm3 | -0.002846 | -0.006966 | 0.02919 | -0.005997 |
| Prm4 | -0.03503 | 0.0008836 | -0.005997 | 0.03212 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5990 | 0.3081 | -4.2029 | -2.9951 | 136.44 | <.0001 |
| A | 1 | -0.1944 | 0.3687 | -0.9171 | 0.5283 | 0.28 | 0.5980 |
| M_cont | 1 | 0.2885 | 0.1709 | -0.0464 | 0.6233 | 2.85 | 0.0913 |
| C | 1 | 0.0938 | 0.1792 | -0.2575 | 0.4451 | 0.27 | 0.6007 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03869 | -0.17724 | 0.20690 | 0.17040 |
| 2 | 1.03869 | 0.00296 | -0.00191 | -0.00106 |
| 3 | 1.03869 | -0.00191 | 0.00440 | 0.00001 |
| 4 | 1.03869 | -0.00106 | 0.00001 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA16 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -148.9579 | |
| Full Log Likelihood | | -148.9579 | |
| AIC (smaller is better) | | 305.9158 | |
| AICC (smaller is better) | | 305.9560 | |
| BIC (smaller is better) | | 325.5468 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07646 | -0.03808 | 0.002275 | -0.03034 |
| Prm2 | -0.03808 | 0.13624 | -0.004128 | 0.0005310 |
| Prm3 | 0.002275 | -0.004128 | 0.02485 | -0.005208 |
| Prm4 | -0.03034 | 0.0005310 | -0.005208 | 0.02449 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3636 | 0.2765 | -3.9056 | -2.8217 | 147.97 | <.0001 |
| A | 1 | -0.6190 | 0.3691 | -1.3424 | 0.1045 | 2.81 | 0.0936 |
| M_cont | 1 | 0.1513 | 0.1576 | -0.1577 | 0.4603 | 0.92 | 0.3372 |
| C | 1 | 0.1823 | 0.1565 | -0.1244 | 0.4890 | 1.36 | 0.2440 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05556 | -0.22054 | 0.15733 | 0.17204 |
| 2 | 1.05556 | 0.00297 | -0.00186 | -0.00104 |
| 3 | 1.05556 | -0.00186 | 0.00458 | -0.00006 |
| 4 | 1.05556 | -0.00104 | -0.00006 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA17 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -127.6609 | |
| Full Log Likelihood | | -127.6609 | |
| AIC (smaller is better) | | 263.3217 | |
| AICC (smaller is better) | | 263.3619 | |
| BIC (smaller is better) | | 282.9527 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10047 | -0.04076 | 0.001051 | -0.04382 |
| Prm2 | -0.04076 | 0.23579 | -0.004586 | 0.003062 |
| Prm3 | 0.001051 | -0.004586 | 0.02858 | -0.007541 |
| Prm4 | -0.04382 | 0.003062 | -0.007541 | 0.03233 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6172 | 0.3170 | -4.2385 | -2.9960 | 130.24 | <.0001 |
| A | 1 | -1.2366 | 0.4856 | -2.1884 | -0.2849 | 6.49 | 0.0109 |
| M_cont | 1 | 0.1848 | 0.1691 | -0.1466 | 0.5161 | 1.19 | 0.2744 |
| C | 1 | 0.3417 | 0.1798 | -0.0107 | 0.6941 | 3.61 | 0.0574 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06230 | -0.17807 | 0.19477 | 0.19464 |
| 2 | 1.06230 | 0.00296 | -0.00192 | -0.00107 |
| 3 | 1.06230 | -0.00192 | 0.00469 | 0.00003 |
| 4 | 1.06230 | -0.00107 | 0.00003 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA18 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 45 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 45 |
| 2 | 0 | 955 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -178.2838 | |
| Full Log Likelihood | | -178.2838 | |
| AIC (smaller is better) | | 364.5675 | |
| AICC (smaller is better) | | 364.6077 | |
| BIC (smaller is better) | | 384.1985 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06811 | -0.03049 | 0.007848 | -0.02965 |
| Prm2 | -0.03049 | 0.11598 | -0.001986 | 0.002057 |
| Prm3 | 0.007848 | -0.001986 | 0.02057 | -0.004234 |
| Prm4 | -0.02965 | 0.002057 | -0.004234 | 0.02178 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2300 | 0.2610 | -3.7415 | -2.7184 | 153.17 | <.0001 |
| A | 1 | -0.6940 | 0.3406 | -1.3614 | -0.0265 | 4.15 | 0.0416 |
| M_cont | 1 | -0.2100 | 0.1434 | -0.4911 | 0.0711 | 2.14 | 0.1431 |
| C | 1 | 0.3012 | 0.1476 | 0.0120 | 0.5905 | 4.17 | 0.0413 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01757 | -0.15340 | 0.14902 | 0.18829 |
| 2 | 1.01757 | 0.00288 | -0.00181 | -0.00108 |
| 3 | 1.01757 | -0.00181 | 0.00431 | 0.00007 |
| 4 | 1.01757 | -0.00108 | 0.00007 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA19 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -149.2844 | |
| Full Log Likelihood | | -149.2844 | |
| AIC (smaller is better) | | 306.5688 | |
| AICC (smaller is better) | | 306.6090 | |
| BIC (smaller is better) | | 326.1998 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08089 | -0.04655 | -0.001776 | -0.02765 |
| Prm2 | -0.04655 | 0.11584 | -0.009523 | 0.001852 |
| Prm3 | -0.001776 | -0.009523 | 0.02354 | -0.006050 |
| Prm4 | -0.02765 | 0.001852 | -0.006050 | 0.02564 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4184 | 0.2844 | -3.9758 | -2.8609 | 144.45 | <.0001 |
| A | 1 | -0.1867 | 0.3404 | -0.8538 | 0.4804 | 0.30 | 0.5833 |
| M_cont | 1 | 0.3206 | 0.1534 | 0.0199 | 0.6214 | 4.37 | 0.0366 |
| C | 1 | 0.0355 | 0.1601 | -0.2783 | 0.3493 | 0.05 | 0.8245 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06615 | -0.20386 | 0.27510 | 0.21399 |
| 2 | 1.06615 | 0.00324 | -0.00210 | -0.00111 |
| 3 | 1.06615 | -0.00210 | 0.00460 | 0.00004 |
| 4 | 1.06615 | -0.00111 | 0.00004 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA110 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 42 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 42 |
| 2 | 0 | 958 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -165.3840 | |
| Full Log Likelihood | | -165.3840 | |
| AIC (smaller is better) | | 338.7681 | |
| AICC (smaller is better) | | 338.8083 | |
| BIC (smaller is better) | | 358.3991 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06654 | -0.03409 | -0.000723 | -0.02763 |
| Prm2 | -0.03409 | 0.15140 | -0.003121 | 0.005606 |
| Prm3 | -0.000723 | -0.003121 | 0.02086 | -0.004985 |
| Prm4 | -0.02763 | 0.005606 | -0.004985 | 0.02093 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0771 | 0.2580 | -3.5827 | -2.5715 | 142.29 | <.0001 |
| A | 1 | -1.1747 | 0.3891 | -1.9373 | -0.4120 | 9.11 | 0.0025 |
| M_cont | 1 | 0.2671 | 0.1444 | -0.0160 | 0.5501 | 3.42 | 0.0645 |
| C | 1 | 0.1746 | 0.1447 | -0.1090 | 0.4581 | 1.46 | 0.2275 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06001 | -0.26908 | 0.16431 | 0.22979 |
| 2 | 1.06001 | 0.00329 | -0.00214 | -0.00119 |
| 3 | 1.06001 | -0.00214 | 0.00460 | 0.00015 |
| 4 | 1.06001 | -0.00119 | 0.00015 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA111 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 33 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 33 |
| 2 | 0 | 967 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -144.4574 | |
| Full Log Likelihood | | -144.4574 | |
| AIC (smaller is better) | | 296.9149 | |
| AICC (smaller is better) | | 296.9551 | |
| BIC (smaller is better) | | 316.5459 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09225 | -0.05458 | 0.001494 | -0.03223 |
| Prm2 | -0.05458 | 0.11835 | -0.002985 | 0.001052 |
| Prm3 | 0.001494 | -0.002985 | 0.02594 | -0.004568 |
| Prm4 | -0.03223 | 0.001052 | -0.004568 | 0.02743 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6382 | 0.3037 | -4.2334 | -3.0429 | 143.49 | <.0001 |
| A | 1 | 0.1405 | 0.3440 | -0.5338 | 0.8148 | 0.17 | 0.6830 |
| M_cont | 1 | 0.0479 | 0.1611 | -0.2677 | 0.3636 | 0.09 | 0.7660 |
| C | 1 | 0.1433 | 0.1656 | -0.1813 | 0.4679 | 0.75 | 0.3870 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04562 | -0.10748 | 0.13122 | 0.16463 |
| 2 | 1.04562 | 0.00294 | -0.00192 | -0.00102 |
| 3 | 1.04562 | -0.00192 | 0.00449 | 0.00003 |
| 4 | 1.04562 | -0.00102 | 0.00003 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA112 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -140.1133 | |
| Full Log Likelihood | | -140.1133 | |
| AIC (smaller is better) | | 288.2266 | |
| AICC (smaller is better) | | 288.2668 | |
| BIC (smaller is better) | | 307.8576 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09503 | -0.05092 | -0.002996 | -0.03684 |
| Prm2 | -0.05092 | 0.12945 | -0.003074 | 0.002994 |
| Prm3 | -0.002996 | -0.003074 | 0.02850 | -0.004449 |
| Prm4 | -0.03684 | 0.002994 | -0.004449 | 0.03055 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5444 | 0.3083 | -4.1486 | -2.9402 | 132.19 | <.0001 |
| A | 1 | -0.2377 | 0.3598 | -0.9428 | 0.4675 | 0.44 | 0.5089 |
| M_cont | 1 | 0.2153 | 0.1688 | -0.1155 | 0.5462 | 1.63 | 0.2021 |
| C | 1 | 0.1377 | 0.1748 | -0.2048 | 0.4803 | 0.62 | 0.4307 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04532 | -0.12947 | 0.10633 | 0.15156 |
| 2 | 1.04532 | 0.00320 | -0.00202 | -0.00119 |
| 3 | 1.04532 | -0.00202 | 0.00447 | 0.00010 |
| 4 | 1.04532 | -0.00119 | 0.00010 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA113 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 42 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 42 |
| 2 | 0 | 958 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -173.8128 | |
| Full Log Likelihood | | -173.8128 | |
| AIC (smaller is better) | | 355.6255 | |
| AICC (smaller is better) | | 355.6657 | |
| BIC (smaller is better) | | 375.2565 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06680 | -0.04035 | 0.002844 | -0.02323 |
| Prm2 | -0.04035 | 0.09386 | -0.004052 | 0.0005265 |
| Prm3 | 0.002844 | -0.004052 | 0.02033 | -0.003104 |
| Prm4 | -0.02323 | 0.0005265 | -0.003104 | 0.02007 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2903 | 0.2585 | -3.7968 | -2.7837 | 162.07 | <.0001 |
| A | 1 | -0.0037 | 0.3064 | -0.6041 | 0.5968 | 0.00 | 0.9904 |
| M_cont | 1 | 0.0615 | 0.1426 | -0.2180 | 0.3410 | 0.19 | 0.6664 |
| C | 1 | 0.1073 | 0.1417 | -0.1704 | 0.3850 | 0.57 | 0.4488 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04169 | -0.20190 | 0.19723 | 0.14537 |
| 2 | 1.04169 | 0.00289 | -0.00189 | -0.00098 |
| 3 | 1.04169 | -0.00189 | 0.00444 | -0.00000 |
| 4 | 1.04169 | -0.00098 | -0.00000 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA114 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -152.4749 | |
| Full Log Likelihood | | -152.4749 | |
| AIC (smaller is better) | | 312.9499 | |
| AICC (smaller is better) | | 312.9901 | |
| BIC (smaller is better) | | 332.5809 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07895 | -0.03531 | -0.001999 | -0.03173 |
| Prm2 | -0.03531 | 0.14215 | -0.006136 | 0.004165 |
| Prm3 | -0.001999 | -0.006136 | 0.02315 | -0.005806 |
| Prm4 | -0.03173 | 0.004165 | -0.005806 | 0.02367 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3927 | 0.2810 | -3.9435 | -2.8420 | 145.80 | <.0001 |
| A | 1 | -1.0121 | 0.3770 | -1.7510 | -0.2731 | 7.21 | 0.0073 |
| M_cont | 1 | 0.3308 | 0.1522 | 0.0326 | 0.6290 | 4.73 | 0.0297 |
| C | 1 | 0.3103 | 0.1539 | 0.0088 | 0.6119 | 4.07 | 0.0437 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04813 | -0.19968 | 0.27439 | 0.17289 |
| 2 | 1.04813 | 0.00305 | -0.00194 | -0.00111 |
| 3 | 1.04813 | -0.00194 | 0.00446 | -0.00002 |
| 4 | 1.04813 | -0.00111 | -0.00002 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA115 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 29 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 29 |
| 2 | 0 | 971 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -130.7357 | |
| Full Log Likelihood | | -130.7357 | |
| AIC (smaller is better) | | 269.4715 | |
| AICC (smaller is better) | | 269.5117 | |
| BIC (smaller is better) | | 289.1025 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08217 | -0.05865 | -0.000413 | -0.02584 |
| Prm2 | -0.05865 | 0.13541 | -0.000313 | -0.002364 |
| Prm3 | -0.000413 | -0.000313 | 0.03091 | -0.003070 |
| Prm4 | -0.02584 | -0.002364 | -0.003070 | 0.03142 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3955 | 0.2867 | -3.9574 | -2.8337 | 140.32 | <.0001 |
| A | 1 | 0.0359 | 0.3680 | -0.6853 | 0.7571 | 0.01 | 0.9223 |
| M_cont | 1 | 0.0628 | 0.1758 | -0.2818 | 0.4074 | 0.13 | 0.7209 |
| C | 1 | -0.1724 | 0.1773 | -0.5198 | 0.1750 | 0.95 | 0.3308 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03923 | -0.065013 | 0.023430 | 0.10171 |
| 2 | 1.03923 | 0.002987 | -0.001896 | -0.00102 |
| 3 | 1.03923 | -0.001896 | 0.004380 | -0.00004 |
| 4 | 1.03923 | -0.001016 | -0.000039 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA116 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -134.1346 | |
| Full Log Likelihood | | -134.1346 | |
| AIC (smaller is better) | | 276.2692 | |
| AICC (smaller is better) | | 276.3094 | |
| BIC (smaller is better) | | 295.9002 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07150 | -0.03971 | -0.006609 | -0.02703 |
| Prm2 | -0.03971 | 0.18090 | -0.005520 | 0.001780 |
| Prm3 | -0.006609 | -0.005520 | 0.02935 | -0.003711 |
| Prm4 | -0.02703 | 0.001780 | -0.003711 | 0.02615 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2891 | 0.2674 | -3.8132 | -2.7650 | 151.29 | <.0001 |
| A | 1 | -0.8904 | 0.4253 | -1.7240 | -0.0568 | 4.38 | 0.0363 |
| M_cont | 1 | 0.3299 | 0.1713 | -0.0059 | 0.6657 | 3.71 | 0.0542 |
| C | 1 | 0.0140 | 0.1617 | -0.3030 | 0.3309 | 0.01 | 0.9311 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01693 | -0.14092 | 0.21708 | 0.12531 |
| 2 | 1.01693 | 0.00266 | -0.00177 | -0.00091 |
| 3 | 1.01693 | -0.00177 | 0.00431 | 0.00005 |
| 4 | 1.01693 | -0.00091 | 0.00005 | 0.00089 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA117 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 34 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 34 |
| 2 | 0 | 966 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -140.9465 | |
| Full Log Likelihood | | -140.9465 | |
| AIC (smaller is better) | | 289.8930 | |
| AICC (smaller is better) | | 289.9332 | |
| BIC (smaller is better) | | 309.5240 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10871 | -0.03872 | 0.006186 | -0.04445 |
| Prm2 | -0.03872 | 0.13623 | -0.002465 | -0.000145 |
| Prm3 | 0.006186 | -0.002465 | 0.02549 | -0.005318 |
| Prm4 | -0.04445 | -0.000145 | -0.005318 | 0.02849 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.8486 | 0.3297 | -4.4948 | -3.2024 | 136.25 | <.0001 |
| A | 1 | -0.6566 | 0.3691 | -1.3800 | 0.0668 | 3.16 | 0.0753 |
| M_cont | 1 | 0.0326 | 0.1597 | -0.2803 | 0.3456 | 0.04 | 0.8380 |
| C | 1 | 0.5577 | 0.1688 | 0.2269 | 0.8885 | 10.92 | 0.0010 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05097 | -0.21859 | 0.19546 | 0.13232 |
| 2 | 1.05097 | 0.00294 | -0.00197 | -0.00100 |
| 3 | 1.05097 | -0.00197 | 0.00448 | -0.00000 |
| 4 | 1.05097 | -0.00100 | -0.00000 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA118 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -135.7354 | |
| Full Log Likelihood | | -135.7354 | |
| AIC (smaller is better) | | 279.4709 | |
| AICC (smaller is better) | | 279.5111 | |
| BIC (smaller is better) | | 299.1019 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08287 | -0.04383 | -0.000327 | -0.03250 |
| Prm2 | -0.04383 | 0.15391 | -0.006835 | 0.001374 |
| Prm3 | -0.000327 | -0.006835 | 0.02818 | -0.004464 |
| Prm4 | -0.03250 | 0.001374 | -0.004464 | 0.02767 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3578 | 0.2879 | -3.9220 | -2.7936 | 136.06 | <.0001 |
| A | 1 | -0.6979 | 0.3923 | -1.4668 | 0.0711 | 3.16 | 0.0753 |
| M_cont | 1 | 0.1939 | 0.1679 | -0.1351 | 0.5230 | 1.33 | 0.2480 |
| C | 1 | 0.0938 | 0.1663 | -0.2322 | 0.4198 | 0.32 | 0.5729 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07539 | -0.17794 | 0.20401 | 0.13650 |
| 2 | 1.07539 | 0.00321 | -0.00202 | -0.00109 |
| 3 | 1.07539 | -0.00202 | 0.00470 | -0.00005 |
| 4 | 1.07539 | -0.00109 | -0.00005 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA119 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -158.9038 | |
| Full Log Likelihood | | -158.9038 | |
| AIC (smaller is better) | | 325.8076 | |
| AICC (smaller is better) | | 325.8478 | |
| BIC (smaller is better) | | 345.4387 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05999 | -0.03456 | 0.002526 | -0.02483 |
| Prm2 | -0.03456 | 0.12539 | -0.006333 | 0.0002509 |
| Prm3 | 0.002526 | -0.006333 | 0.02550 | -0.005973 |
| Prm4 | -0.02483 | 0.0002509 | -0.005973 | 0.02532 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0030 | 0.2449 | -3.4830 | -2.5229 | 150.32 | <.0001 |
| A | 1 | -0.7197 | 0.3541 | -1.4138 | -0.0257 | 4.13 | 0.0421 |
| M_cont | 1 | 0.1768 | 0.1597 | -0.1362 | 0.4898 | 1.23 | 0.2684 |
| C | 1 | -0.0278 | 0.1591 | -0.3397 | 0.2841 | 0.03 | 0.8612 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01114 | -0.26120 | 0.23258 | 0.21628 |
| 2 | 1.01114 | 0.00283 | -0.00179 | -0.00099 |
| 3 | 1.01114 | -0.00179 | 0.00414 | -0.00005 |
| 4 | 1.01114 | -0.00099 | -0.00005 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA120 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -133.5915 | |
| Full Log Likelihood | | -133.5915 | |
| AIC (smaller is better) | | 275.1830 | |
| AICC (smaller is better) | | 275.2232 | |
| BIC (smaller is better) | | 294.8141 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07229 | -0.04126 | 0.001752 | -0.02946 |
| Prm2 | -0.04126 | 0.16807 | -0.007339 | -0.001583 |
| Prm3 | 0.001752 | -0.007339 | 0.03153 | -0.006311 |
| Prm4 | -0.02946 | -0.001583 | -0.006311 | 0.03113 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3074 | 0.2689 | -3.8344 | -2.7805 | 151.33 | <.0001 |
| A | 1 | -0.5180 | 0.4100 | -1.3215 | 0.2855 | 1.60 | 0.2064 |
| M_cont | 1 | 0.1531 | 0.1776 | -0.1949 | 0.5011 | 0.74 | 0.3887 |
| C | 1 | -0.0546 | 0.1764 | -0.4004 | 0.2912 | 0.10 | 0.7571 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02110 | -0.20015 | 0.19414 | 0.19360 |
| 2 | 1.02110 | 0.00264 | -0.00155 | -0.00098 |
| 3 | 1.02110 | -0.00155 | 0.00448 | -0.00011 |
| 4 | 1.02110 | -0.00098 | -0.00011 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA121 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -132.0921 | |
| Full Log Likelihood | | -132.0921 | |
| AIC (smaller is better) | | 272.1842 | |
| AICC (smaller is better) | | 272.2244 | |
| BIC (smaller is better) | | 291.8152 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07869 | -0.04155 | 0.003204 | -0.03446 |
| Prm2 | -0.04155 | 0.23577 | -0.005999 | 0.004839 |
| Prm3 | 0.003204 | -0.005999 | 0.02961 | -0.006733 |
| Prm4 | -0.03446 | 0.004839 | -0.006733 | 0.02879 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2594 | 0.2805 | -3.8092 | -2.7096 | 135.01 | <.0001 |
| A | 1 | -1.3641 | 0.4856 | -2.3158 | -0.4124 | 7.89 | 0.0050 |
| M_cont | 1 | 0.1574 | 0.1721 | -0.1799 | 0.4947 | 0.84 | 0.3604 |
| C | 1 | 0.1380 | 0.1697 | -0.1946 | 0.4705 | 0.66 | 0.4161 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04349 | -0.25258 | 0.18777 | 0.20355 |
| 2 | 1.04349 | 0.00299 | -0.00200 | -0.00105 |
| 3 | 1.04349 | -0.00200 | 0.00446 | 0.00010 |
| 4 | 1.04349 | -0.00105 | 0.00010 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA122 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 54 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 54 |
| 2 | 0 | 946 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -207.1891 | |
| Full Log Likelihood | | -207.1891 | |
| AIC (smaller is better) | | 422.3782 | |
| AICC (smaller is better) | | 422.4184 | |
| BIC (smaller is better) | | 442.0092 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06074 | -0.02952 | 0.003134 | -0.02424 |
| Prm2 | -0.02952 | 0.07431 | -0.003805 | 0.0008856 |
| Prm3 | 0.003134 | -0.003805 | 0.01579 | -0.002453 |
| Prm4 | -0.02424 | 0.0008856 | -0.002453 | 0.01815 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2252 | 0.2465 | -3.7083 | -2.7422 | 171.26 | <.0001 |
| A | 1 | -0.1413 | 0.2726 | -0.6756 | 0.3929 | 0.27 | 0.6041 |
| M_cont | 1 | 0.0143 | 0.1257 | -0.2320 | 0.2606 | 0.01 | 0.9096 |
| C | 1 | 0.3138 | 0.1347 | 0.0498 | 0.5779 | 5.43 | 0.0198 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04213 | -0.20177 | 0.22826 | 0.14763 |
| 2 | 1.04213 | 0.00296 | -0.00186 | -0.00109 |
| 3 | 1.04213 | -0.00186 | 0.00446 | -0.00001 |
| 4 | 1.04213 | -0.00109 | -0.00001 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA123 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -133.2065 | |
| Full Log Likelihood | | -133.2065 | |
| AIC (smaller is better) | | 274.4130 | |
| AICC (smaller is better) | | 274.4532 | |
| BIC (smaller is better) | | 294.0440 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10278 | -0.04667 | -0.003454 | -0.04063 |
| Prm2 | -0.04667 | 0.15294 | -0.005324 | 0.003665 |
| Prm3 | -0.003454 | -0.005324 | 0.02960 | -0.004468 |
| Prm4 | -0.04063 | 0.003665 | -0.004468 | 0.02928 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5950 | 0.3206 | -4.2234 | -2.9667 | 125.74 | <.0001 |
| A | 1 | -0.7696 | 0.3911 | -1.5361 | -0.0031 | 3.87 | 0.0491 |
| M_cont | 1 | 0.2711 | 0.1721 | -0.0661 | 0.6083 | 2.48 | 0.1151 |
| C | 1 | 0.2875 | 0.1711 | -0.0479 | 0.6229 | 2.82 | 0.0929 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05379 | -0.13711 | 0.16402 | 0.11852 |
| 2 | 1.05379 | 0.00324 | -0.00205 | -0.00113 |
| 3 | 1.05379 | -0.00205 | 0.00447 | -0.00000 |
| 4 | 1.05379 | -0.00113 | -0.00000 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA124 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -152.9364 | |
| Full Log Likelihood | | -152.9364 | |
| AIC (smaller is better) | | 313.8729 | |
| AICC (smaller is better) | | 313.9131 | |
| BIC (smaller is better) | | 333.5039 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07353 | -0.03868 | 0.0003590 | -0.02864 |
| Prm2 | -0.03868 | 0.12665 | 0.0004455 | 0.0003510 |
| Prm3 | 0.0003590 | 0.0004455 | 0.02408 | -0.004063 |
| Prm4 | -0.02864 | 0.0003510 | -0.004063 | 0.02378 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3481 | 0.2712 | -3.8795 | -2.8166 | 152.45 | <.0001 |
| A | 1 | -0.5338 | 0.3559 | -1.2313 | 0.1637 | 2.25 | 0.1336 |
| M_cont | 1 | 0.0447 | 0.1552 | -0.2594 | 0.3489 | 0.08 | 0.7733 |
| C | 1 | 0.1918 | 0.1542 | -0.1105 | 0.4941 | 1.55 | 0.2136 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04453 | -0.063893 | 0.024400 | 0.15223 |
| 2 | 1.04453 | 0.002854 | -0.001871 | -0.00096 |
| 3 | 1.04453 | -0.001871 | 0.004458 | -0.00004 |
| 4 | 1.04453 | -0.000963 | -0.000037 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA125 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -141.5985 | |
| Full Log Likelihood | | -141.5985 | |
| AIC (smaller is better) | | 291.1970 | |
| AICC (smaller is better) | | 291.2372 | |
| BIC (smaller is better) | | 310.8280 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08133 | -0.04742 | 0.005642 | -0.03005 |
| Prm2 | -0.04742 | 0.12676 | -0.004063 | -0.003538 |
| Prm3 | 0.005642 | -0.004063 | 0.02513 | -0.005129 |
| Prm4 | -0.03005 | -0.003538 | -0.005129 | 0.02970 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4523 | 0.2852 | -4.0113 | -2.8934 | 146.55 | <.0001 |
| A | 1 | -0.0514 | 0.3560 | -0.7492 | 0.6465 | 0.02 | 0.8853 |
| M_cont | 1 | 0.0124 | 0.1585 | -0.2983 | 0.3231 | 0.01 | 0.9375 |
| C | 1 | 0.0293 | 0.1723 | -0.3085 | 0.3670 | 0.03 | 0.8651 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08885 | -0.24236 | 0.17559 | 0.20086 |
| 2 | 1.08885 | 0.00311 | -0.00187 | -0.00110 |
| 3 | 1.08885 | -0.00187 | 0.00490 | -0.00016 |
| 4 | 1.08885 | -0.00110 | -0.00016 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA126 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -160.9340 | |
| Full Log Likelihood | | -160.9340 | |
| AIC (smaller is better) | | 329.8680 | |
| AICC (smaller is better) | | 329.9082 | |
| BIC (smaller is better) | | 349.4990 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06149 | -0.03232 | -0.004017 | -0.02344 |
| Prm2 | -0.03232 | 0.12254 | -0.003220 | -0.000162 |
| Prm3 | -0.004017 | -0.003220 | 0.02171 | -0.004232 |
| Prm4 | -0.02344 | -0.000162 | -0.004232 | 0.02259 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0716 | 0.2480 | -3.5577 | -2.5856 | 153.44 | <.0001 |
| A | 1 | -0.6604 | 0.3501 | -1.3465 | 0.0257 | 3.56 | 0.0592 |
| M_cont | 1 | 0.2992 | 0.1473 | 0.0104 | 0.5880 | 4.12 | 0.0423 |
| C | 1 | -0.0185 | 0.1503 | -0.3131 | 0.2761 | 0.02 | 0.9019 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08772 | -0.15519 | 0.092103 | 0.19468 |
| 2 | 1.08772 | 0.00336 | -0.002030 | -0.00121 |
| 3 | 1.08772 | -0.00203 | 0.004848 | -0.00002 |
| 4 | 1.08772 | -0.00121 | -0.000019 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA127 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -159.9039 | |
| Full Log Likelihood | | -159.9039 | |
| AIC (smaller is better) | | 327.8078 | |
| AICC (smaller is better) | | 327.8480 | |
| BIC (smaller is better) | | 347.4388 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06675 | -0.04292 | -0.002546 | -0.02229 |
| Prm2 | -0.04292 | 0.10485 | -0.005456 | 0.0009168 |
| Prm3 | -0.002546 | -0.005456 | 0.02145 | -0.003730 |
| Prm4 | -0.02229 | 0.0009168 | -0.003730 | 0.02327 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2472 | 0.2584 | -3.7536 | -2.7408 | 157.96 | <.0001 |
| A | 1 | -0.0427 | 0.3238 | -0.6774 | 0.5919 | 0.02 | 0.8950 |
| M_cont | 1 | 0.2636 | 0.1464 | -0.0234 | 0.5506 | 3.24 | 0.0719 |
| C | 1 | -0.0655 | 0.1526 | -0.3645 | 0.2335 | 0.18 | 0.6676 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08281 | -0.15985 | 0.15859 | 0.16804 |
| 2 | 1.08281 | 0.00313 | -0.00203 | -0.00108 |
| 3 | 1.08281 | -0.00203 | 0.00482 | 0.00001 |
| 4 | 1.08281 | -0.00108 | 0.00001 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA128 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -150.8093 | |
| Full Log Likelihood | | -150.8093 | |
| AIC (smaller is better) | | 309.6187 | |
| AICC (smaller is better) | | 309.6589 | |
| BIC (smaller is better) | | 329.2497 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06077 | -0.04169 | 0.004713 | -0.02215 |
| Prm2 | -0.04169 | 0.12347 | -0.004249 | -0.000349 |
| Prm3 | 0.004713 | -0.004249 | 0.02376 | -0.003552 |
| Prm4 | -0.02215 | -0.000349 | -0.003552 | 0.02586 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0948 | 0.2465 | -3.5779 | -2.6116 | 157.59 | <.0001 |
| A | 1 | -0.3714 | 0.3514 | -1.0601 | 0.3173 | 1.12 | 0.2905 |
| M_cont | 1 | -0.0127 | 0.1542 | -0.3148 | 0.2895 | 0.01 | 0.9345 |
| C | 1 | -0.1219 | 0.1608 | -0.4371 | 0.1933 | 0.57 | 0.4485 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07239 | -0.19683 | 0.19878 | 0.15514 |
| 2 | 1.07239 | 0.00308 | -0.00201 | -0.00106 |
| 3 | 1.07239 | -0.00201 | 0.00469 | -0.00002 |
| 4 | 1.07239 | -0.00106 | -0.00002 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA129 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 41 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 41 |
| 2 | 0 | 959 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.5689 | 0.0000 | -0.5689 | -0.5689 | . | . |
| A | 0 | -0.3303 | 0.0000 | -0.3303 | -0.3303 | . | . |
| M_cont | 0 | 0.2335 | 0.0000 | 0.2335 | 0.2335 | . | . |
| C | 0 | -0.0194 | 0.0000 | -0.0194 | -0.0194 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04744 | -0.24266 | 0.23059 | 0.21475 |
| 2 | 1.04744 | 0.00307 | -0.00193 | -0.00110 |
| 3 | 1.04744 | -0.00193 | 0.00449 | 0.00003 |
| 4 | 1.04744 | -0.00110 | 0.00003 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA130 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -1.0290 | 0.0000 | -1.0290 | -1.0290 | . | . |
| A | 0 | 0.0456 | 0.0000 | 0.0456 | 0.0456 | . | . |
| M_cont | 0 | 0.1581 | 0.0000 | 0.1581 | 0.1581 | . | . |
| C | 0 | 0.1497 | 0.0000 | 0.1497 | 0.1497 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09137 | -0.18011 | 0.21723 | 0.16576 |
| 2 | 1.09137 | 0.00337 | -0.00205 | -0.00122 |
| 3 | 1.09137 | -0.00205 | 0.00485 | -0.00005 |
| 4 | 1.09137 | -0.00122 | -0.00005 | 0.00118 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA131 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -150.9143 | |
| Full Log Likelihood | | -150.9143 | |
| AIC (smaller is better) | | 309.8287 | |
| AICC (smaller is better) | | 309.8689 | |
| BIC (smaller is better) | | 329.4597 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08015 | -0.04374 | 0.001543 | -0.02987 |
| Prm2 | -0.04374 | 0.11552 | -0.003688 | -0.001036 |
| Prm3 | 0.001543 | -0.003688 | 0.02485 | -0.006038 |
| Prm4 | -0.02987 | -0.001036 | -0.006038 | 0.02684 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4084 | 0.2831 | -3.9633 | -2.8535 | 144.94 | <.0001 |
| A | 1 | -0.1936 | 0.3399 | -0.8597 | 0.4726 | 0.32 | 0.5690 |
| M_cont | 1 | 0.1323 | 0.1576 | -0.1767 | 0.4413 | 0.70 | 0.4014 |
| C | 1 | 0.0997 | 0.1638 | -0.2213 | 0.4208 | 0.37 | 0.5427 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04398 | -0.17224 | 0.13539 | 0.21111 |
| 2 | 1.04398 | 0.00301 | -0.00187 | -0.00104 |
| 3 | 1.04398 | -0.00187 | 0.00443 | -0.00007 |
| 4 | 1.04398 | -0.00104 | -0.00007 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA132 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -157.3063 | |
| Full Log Likelihood | | -157.3063 | |
| AIC (smaller is better) | | 322.6126 | |
| AICC (smaller is better) | | 322.6528 | |
| BIC (smaller is better) | | 342.2436 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08170 | -0.04033 | 0.007440 | -0.03343 |
| Prm2 | -0.04033 | 0.13248 | -0.003771 | 0.004584 |
| Prm3 | 0.007440 | -0.003771 | 0.02254 | -0.005270 |
| Prm4 | -0.03343 | 0.004584 | -0.005270 | 0.02332 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3838 | 0.2858 | -3.9441 | -2.8236 | 140.15 | <.0001 |
| A | 1 | -0.6971 | 0.3640 | -1.4105 | 0.0163 | 3.67 | 0.0555 |
| M_cont | 1 | -0.0695 | 0.1501 | -0.3638 | 0.2247 | 0.21 | 0.6433 |
| C | 1 | 0.2958 | 0.1527 | -0.0036 | 0.5951 | 3.75 | 0.0528 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06195 | -0.22775 | 0.20287 | 0.20664 |
| 2 | 1.06195 | 0.00322 | -0.00214 | -0.00113 |
| 3 | 1.06195 | -0.00214 | 0.00462 | 0.00014 |
| 4 | 1.06195 | -0.00113 | 0.00014 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA133 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 46 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 46 |
| 2 | 0 | 954 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -183.1775 | |
| Full Log Likelihood | | -183.1775 | |
| AIC (smaller is better) | | 374.3549 | |
| AICC (smaller is better) | | 374.3951 | |
| BIC (smaller is better) | | 393.9859 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05137 | -0.03073 | -0.003225 | -0.01702 |
| Prm2 | -0.03073 | 0.08784 | -0.004222 | -0.001512 |
| Prm3 | -0.003225 | -0.004222 | 0.01807 | -0.003267 |
| Prm4 | -0.01702 | -0.001512 | -0.003267 | 0.01871 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0506 | 0.2266 | -3.4949 | -2.6064 | 181.16 | <.0001 |
| A | 1 | -0.2536 | 0.2964 | -0.8345 | 0.3272 | 0.73 | 0.3921 |
| M_cont | 1 | 0.3381 | 0.1344 | 0.0746 | 0.6015 | 6.32 | 0.0119 |
| C | 1 | -0.0052 | 0.1368 | -0.2733 | 0.2629 | 0.00 | 0.9695 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07102 | -0.18466 | 0.17708 | 0.16170 |
| 2 | 1.07102 | 0.00294 | -0.00196 | -0.00098 |
| 3 | 1.07102 | -0.00196 | 0.00467 | -0.00007 |
| 4 | 1.07102 | -0.00098 | -0.00007 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA134 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -140.2073 | |
| Full Log Likelihood | | -140.2073 | |
| AIC (smaller is better) | | 288.4146 | |
| AICC (smaller is better) | | 288.4548 | |
| BIC (smaller is better) | | 308.0456 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09374 | -0.05012 | 0.004925 | -0.03869 |
| Prm2 | -0.05012 | 0.14280 | -0.005661 | 0.005512 |
| Prm3 | 0.004925 | -0.005661 | 0.02878 | -0.006850 |
| Prm4 | -0.03869 | 0.005512 | -0.006850 | 0.03023 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5355 | 0.3062 | -4.1356 | -2.9354 | 133.34 | <.0001 |
| A | 1 | -0.3810 | 0.3779 | -1.1216 | 0.3597 | 1.02 | 0.3134 |
| M_cont | 1 | 0.0694 | 0.1697 | -0.2631 | 0.4019 | 0.17 | 0.6825 |
| C | 1 | 0.1927 | 0.1739 | -0.1481 | 0.5335 | 1.23 | 0.2678 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03346 | -0.20754 | 0.15892 | 0.21434 |
| 2 | 1.03346 | 0.00302 | -0.00195 | -0.00114 |
| 3 | 1.03346 | -0.00195 | 0.00446 | 0.00015 |
| 4 | 1.03346 | -0.00114 | 0.00015 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA135 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 37 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 37 |
| 2 | 0 | 963 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -156.3415 | |
| Full Log Likelihood | | -156.3415 | |
| AIC (smaller is better) | | 320.6830 | |
| AICC (smaller is better) | | 320.7232 | |
| BIC (smaller is better) | | 340.3141 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07169 | -0.03416 | 0.001975 | -0.02985 |
| Prm2 | -0.03416 | 0.12010 | -0.003899 | -0.002827 |
| Prm3 | 0.001975 | -0.003899 | 0.02439 | -0.006096 |
| Prm4 | -0.02985 | -0.002827 | -0.006096 | 0.02736 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3389 | 0.2677 | -3.8637 | -2.8142 | 155.52 | <.0001 |
| A | 1 | -0.4514 | 0.3466 | -1.1306 | 0.2279 | 1.70 | 0.1928 |
| M_cont | 1 | 0.1461 | 0.1562 | -0.1600 | 0.4522 | 0.87 | 0.3496 |
| C | 1 | 0.1715 | 0.1654 | -0.1527 | 0.4957 | 1.07 | 0.2999 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02198 | -0.20661 | 0.16228 | 0.21655 |
| 2 | 1.02198 | 0.00270 | -0.00168 | -0.00097 |
| 3 | 1.02198 | -0.00168 | 0.00431 | -0.00011 |
| 4 | 1.02198 | -0.00097 | -0.00011 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA136 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 42 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 42 |
| 2 | 0 | 958 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -172.8232 | |
| Full Log Likelihood | | -172.8232 | |
| AIC (smaller is better) | | 353.6465 | |
| AICC (smaller is better) | | 353.6867 | |
| BIC (smaller is better) | | 373.2775 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06213 | -0.03445 | 0.004542 | -0.02533 |
| Prm2 | -0.03445 | 0.10302 | -0.000034 | 0.0004960 |
| Prm3 | 0.004542 | -0.000034 | 0.02030 | -0.003451 |
| Prm4 | -0.02533 | 0.0004960 | -0.003451 | 0.02274 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0986 | 0.2493 | -3.5871 | -2.6100 | 154.53 | <.0001 |
| A | 1 | -0.4487 | 0.3210 | -1.0777 | 0.1804 | 1.95 | 0.1621 |
| M_cont | 1 | -0.0986 | 0.1425 | -0.3779 | 0.1806 | 0.48 | 0.4888 |
| C | 1 | 0.0980 | 0.1508 | -0.1976 | 0.3936 | 0.42 | 0.5160 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06386 | -0.10500 | 0.059005 | 0.14584 |
| 2 | 1.06386 | 0.00324 | -0.002084 | -0.00118 |
| 3 | 1.06386 | -0.00208 | 0.004597 | 0.00006 |
| 4 | 1.06386 | -0.00118 | 0.000061 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA137 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -136.8166 | |
| Full Log Likelihood | | -136.8166 | |
| AIC (smaller is better) | | 281.6332 | |
| AICC (smaller is better) | | 281.6735 | |
| BIC (smaller is better) | | 301.2643 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09180 | -0.04557 | 0.002789 | -0.03809 |
| Prm2 | -0.04557 | 0.14402 | -0.003955 | 0.0000428 |
| Prm3 | 0.002789 | -0.003955 | 0.02854 | -0.003808 |
| Prm4 | -0.03809 | 0.0000428 | -0.003808 | 0.03159 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4483 | 0.3030 | -4.0421 | -2.8544 | 129.52 | <.0001 |
| A | 1 | -0.5247 | 0.3795 | -1.2685 | 0.2191 | 1.91 | 0.1668 |
| M_cont | 1 | 0.0281 | 0.1689 | -0.3030 | 0.3592 | 0.03 | 0.8680 |
| C | 1 | 0.1517 | 0.1777 | -0.1966 | 0.5001 | 0.73 | 0.3933 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04956 | -0.12992 | 0.12137 | 0.13988 |
| 2 | 1.04956 | 0.00321 | -0.00195 | -0.00117 |
| 3 | 1.04956 | -0.00195 | 0.00446 | -0.00003 |
| 4 | 1.04956 | -0.00117 | -0.00003 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA138 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -146.8705 | |
| Full Log Likelihood | | -146.8705 | |
| AIC (smaller is better) | | 301.7410 | |
| AICC (smaller is better) | | 301.7812 | |
| BIC (smaller is better) | | 321.3720 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08501 | -0.03160 | 0.002781 | -0.03605 |
| Prm2 | -0.03160 | 0.19547 | -0.002847 | 0.0004747 |
| Prm3 | 0.002781 | -0.002847 | 0.02436 | -0.004364 |
| Prm4 | -0.03605 | 0.0004747 | -0.004364 | 0.02447 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4496 | 0.2916 | -4.0211 | -2.8782 | 139.98 | <.0001 |
| A | 1 | -1.2607 | 0.4421 | -2.1272 | -0.3941 | 8.13 | 0.0044 |
| M_cont | 1 | 0.0561 | 0.1561 | -0.2498 | 0.3620 | 0.13 | 0.7194 |
| C | 1 | 0.3678 | 0.1564 | 0.0612 | 0.6744 | 5.53 | 0.0187 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05893 | -0.15031 | 0.12621 | 0.15470 |
| 2 | 1.05893 | 0.00304 | -0.00185 | -0.00109 |
| 3 | 1.05893 | -0.00185 | 0.00464 | -0.00005 |
| 4 | 1.05893 | -0.00109 | -0.00005 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA139 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 41 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 41 |
| 2 | 0 | 959 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -167.8060 | |
| Full Log Likelihood | | -167.8060 | |
| AIC (smaller is better) | | 343.6119 | |
| AICC (smaller is better) | | 343.6521 | |
| BIC (smaller is better) | | 363.2430 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06839 | -0.03289 | -0.000772 | -0.02650 |
| Prm2 | -0.03289 | 0.10448 | -0.003907 | -0.000955 |
| Prm3 | -0.000772 | -0.003907 | 0.02325 | -0.004153 |
| Prm4 | -0.02650 | -0.000955 | -0.004153 | 0.02206 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2933 | 0.2615 | -3.8059 | -2.7808 | 158.59 | <.0001 |
| A | 1 | -0.3652 | 0.3232 | -0.9987 | 0.2683 | 1.28 | 0.2585 |
| M_cont | 1 | 0.2847 | 0.1525 | -0.0141 | 0.5836 | 3.49 | 0.0618 |
| C | 1 | 0.1701 | 0.1485 | -0.1210 | 0.4612 | 1.31 | 0.2522 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01590 | -0.21547 | 0.10332 | 0.15369 |
| 2 | 1.01590 | 0.00278 | -0.00172 | -0.00100 |
| 3 | 1.01590 | -0.00172 | 0.00426 | -0.00004 |
| 4 | 1.01590 | -0.00100 | -0.00004 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA140 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 47 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 47 |
| 2 | 0 | 953 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -184.9932 | |
| Full Log Likelihood | | -184.9932 | |
| AIC (smaller is better) | | 377.9864 | |
| AICC (smaller is better) | | 378.0266 | |
| BIC (smaller is better) | | 397.6175 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06240 | -0.03123 | -0.003051 | -0.02243 |
| Prm2 | -0.03123 | 0.08799 | -0.003383 | 0.001234 |
| Prm3 | -0.003051 | -0.003383 | 0.01679 | -0.003797 |
| Prm4 | -0.02243 | 0.001234 | -0.003797 | 0.01831 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1856 | 0.2498 | -3.6752 | -2.6960 | 162.63 | <.0001 |
| A | 1 | -0.3819 | 0.2966 | -0.9633 | 0.1995 | 1.66 | 0.1980 |
| M_cont | 1 | 0.3015 | 0.1296 | 0.0476 | 0.5554 | 5.42 | 0.0200 |
| C | 1 | 0.1541 | 0.1353 | -0.1112 | 0.4193 | 1.30 | 0.2549 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08099 | -0.096545 | 0.13694 | 0.16536 |
| 2 | 1.08099 | 0.003311 | -0.00211 | -0.00114 |
| 3 | 1.08099 | -0.002112 | 0.00474 | 0.00002 |
| 4 | 1.08099 | -0.001140 | 0.00002 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA141 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 29 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 29 |
| 2 | 0 | 971 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -128.3839 | |
| Full Log Likelihood | | -128.3839 | |
| AIC (smaller is better) | | 264.7677 | |
| AICC (smaller is better) | | 264.8079 | |
| BIC (smaller is better) | | 284.3987 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10767 | -0.04633 | 0.006720 | -0.04511 |
| Prm2 | -0.04633 | 0.16853 | -0.004088 | 0.0003387 |
| Prm3 | 0.006720 | -0.004088 | 0.02705 | -0.004182 |
| Prm4 | -0.04511 | 0.0003387 | -0.004182 | 0.03286 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.7564 | 0.3281 | -4.3996 | -3.1133 | 131.05 | <.0001 |
| A | 1 | -0.5723 | 0.4105 | -1.3769 | 0.2323 | 1.94 | 0.1633 |
| M_cont | 1 | -0.0642 | 0.1645 | -0.3865 | 0.2582 | 0.15 | 0.6964 |
| C | 1 | 0.3462 | 0.1813 | -0.0091 | 0.7015 | 3.65 | 0.0562 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08005 | -0.18412 | 0.16771 | 0.16128 |
| 2 | 1.08005 | 0.00317 | -0.00196 | -0.00119 |
| 3 | 1.08005 | -0.00196 | 0.00484 | 0.00000 |
| 4 | 1.08005 | -0.00119 | 0.00000 | 0.00117 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA142 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.7670 | 0.0000 | -0.7670 | -0.7670 | . | . |
| A | 0 | -0.3353 | 0.0000 | -0.3353 | -0.3353 | . | . |
| M_cont | 0 | 0.1407 | 0.0000 | 0.1407 | 0.1407 | . | . |
| C | 0 | 0.1214 | 0.0000 | 0.1214 | 0.1214 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08978 | -0.24718 | 0.22947 | 0.20126 |
| 2 | 1.08978 | 0.00346 | -0.00228 | -0.00128 |
| 3 | 1.08978 | -0.00228 | 0.00486 | 0.00017 |
| 4 | 1.08978 | -0.00128 | 0.00017 | 0.00119 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA143 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -145.3747 | |
| Full Log Likelihood | | -145.3747 | |
| AIC (smaller is better) | | 298.7493 | |
| AICC (smaller is better) | | 298.7895 | |
| BIC (smaller is better) | | 318.3803 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08829 | -0.03391 | 0.005034 | -0.03700 |
| Prm2 | -0.03391 | 0.15730 | -0.002457 | -0.000773 |
| Prm3 | 0.005034 | -0.002457 | 0.02493 | -0.002836 |
| Prm4 | -0.03700 | -0.000773 | -0.002836 | 0.02566 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5615 | 0.2971 | -4.1439 | -2.9791 | 143.66 | <.0001 |
| A | 1 | -0.9055 | 0.3966 | -1.6829 | -0.1282 | 5.21 | 0.0224 |
| M_cont | 1 | -0.1428 | 0.1579 | -0.4523 | 0.1666 | 0.82 | 0.3657 |
| C | 1 | 0.4136 | 0.1602 | 0.0996 | 0.7275 | 6.66 | 0.0098 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02896 | -0.12899 | 0.19205 | 0.15839 |
| 2 | 1.02896 | 0.00288 | -0.00178 | -0.00104 |
| 3 | 1.02896 | -0.00178 | 0.00434 | -0.00005 |
| 4 | 1.02896 | -0.00104 | -0.00005 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA144 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -139.6169 | |
| Full Log Likelihood | | -139.6169 | |
| AIC (smaller is better) | | 287.2338 | |
| AICC (smaller is better) | | 287.2740 | |
| BIC (smaller is better) | | 306.8648 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.11093 | -0.05542 | 0.008531 | -0.04181 |
| Prm2 | -0.05542 | 0.12250 | -0.001203 | 0.001386 |
| Prm3 | 0.008531 | -0.001203 | 0.02570 | -0.005917 |
| Prm4 | -0.04181 | 0.001386 | -0.005917 | 0.03045 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.8426 | 0.3331 | -4.4953 | -3.1898 | 133.11 | <.0001 |
| A | 1 | -0.0125 | 0.3500 | -0.6984 | 0.6735 | 0.00 | 0.9716 |
| M_cont | 1 | -0.0999 | 0.1603 | -0.4141 | 0.2143 | 0.39 | 0.5332 |
| C | 1 | 0.3482 | 0.1745 | 0.0062 | 0.6902 | 3.98 | 0.0460 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08378 | -0.22863 | 0.098650 | 0.22529 |
| 2 | 1.08378 | 0.00324 | -0.002102 | -0.00113 |
| 3 | 1.08378 | -0.00210 | 0.004762 | -0.00000 |
| 4 | 1.08378 | -0.00113 | -0.000003 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA145 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.6498 | 0.0000 | -0.6498 | -0.6498 | . | . |
| A | 0 | -0.2597 | 0.0000 | -0.2597 | -0.2597 | . | . |
| M_cont | 0 | 0.2604 | 0.0000 | 0.2604 | 0.2604 | . | . |
| C | 0 | -0.1151 | 0.0000 | -0.1151 | -0.1151 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06714 | -0.16795 | 0.20520 | 0.16053 |
| 2 | 1.06714 | 0.00312 | -0.00199 | -0.00110 |
| 3 | 1.06714 | -0.00199 | 0.00463 | -0.00002 |
| 4 | 1.06714 | -0.00110 | -0.00002 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA146 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -154.4414 | |
| Full Log Likelihood | | -154.4414 | |
| AIC (smaller is better) | | 316.8827 | |
| AICC (smaller is better) | | 316.9229 | |
| BIC (smaller is better) | | 336.5137 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06799 | -0.04535 | 0.0003211 | -0.02325 |
| Prm2 | -0.04535 | 0.11124 | -0.005227 | 0.0003024 |
| Prm3 | 0.0003211 | -0.005227 | 0.02364 | -0.003937 |
| Prm4 | -0.02325 | 0.0003024 | -0.003937 | 0.02492 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2336 | 0.2607 | -3.7447 | -2.7226 | 153.79 | <.0001 |
| A | 1 | -0.0796 | 0.3335 | -0.7333 | 0.5741 | 0.06 | 0.8114 |
| M_cont | 1 | 0.1546 | 0.1538 | -0.1468 | 0.4560 | 1.01 | 0.3147 |
| C | 1 | -0.0806 | 0.1579 | -0.3900 | 0.2287 | 0.26 | 0.6094 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04681 | -0.16825 | 0.19153 | 0.15380 |
| 2 | 1.04681 | 0.00300 | -0.00193 | -0.00105 |
| 3 | 1.04681 | -0.00193 | 0.00447 | 0.00001 |
| 4 | 1.04681 | -0.00105 | 0.00001 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA147 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 47 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 47 |
| 2 | 0 | 953 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -187.0823 | |
| Full Log Likelihood | | -187.0823 | |
| AIC (smaller is better) | | 382.1647 | |
| AICC (smaller is better) | | 382.2049 | |
| BIC (smaller is better) | | 401.7957 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05995 | -0.03078 | 0.002592 | -0.02545 |
| Prm2 | -0.03078 | 0.09826 | -0.003653 | 0.002261 |
| Prm3 | 0.002592 | -0.003653 | 0.01972 | -0.004471 |
| Prm4 | -0.02545 | 0.002261 | -0.004471 | 0.02089 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0047 | 0.2448 | -3.4845 | -2.5248 | 150.60 | <.0001 |
| A | 1 | -0.5561 | 0.3135 | -1.1705 | 0.0583 | 3.15 | 0.0760 |
| M_cont | 1 | 0.1263 | 0.1404 | -0.1489 | 0.4015 | 0.81 | 0.3684 |
| C | 1 | 0.1138 | 0.1445 | -0.1695 | 0.3971 | 0.62 | 0.4311 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03010 | -0.22625 | 0.17990 | 0.18947 |
| 2 | 1.03010 | 0.00310 | -0.00187 | -0.00117 |
| 3 | 1.03010 | -0.00187 | 0.00435 | 0.00003 |
| 4 | 1.03010 | -0.00117 | 0.00003 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA148 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 37 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 37 |
| 2 | 0 | 963 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -157.5734 | |
| Full Log Likelihood | | -157.5734 | |
| AIC (smaller is better) | | 323.1469 | |
| AICC (smaller is better) | | 323.1871 | |
| BIC (smaller is better) | | 342.7779 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07306 | -0.04460 | -0.002408 | -0.02560 |
| Prm2 | -0.04460 | 0.10727 | -0.006112 | 0.0001550 |
| Prm3 | -0.002408 | -0.006112 | 0.02713 | -0.003457 |
| Prm4 | -0.02560 | 0.0001550 | -0.003457 | 0.02524 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3362 | 0.2703 | -3.8659 | -2.8064 | 152.34 | <.0001 |
| A | 1 | -0.0418 | 0.3275 | -0.6838 | 0.6001 | 0.02 | 0.8983 |
| M_cont | 1 | 0.1934 | 0.1647 | -0.1295 | 0.5162 | 1.38 | 0.2404 |
| C | 1 | 0.0147 | 0.1589 | -0.2967 | 0.3261 | 0.01 | 0.9261 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.97399 | -0.095504 | 0.22575 | 0.11973 |
| 2 | 0.97399 | 0.002595 | -0.00168 | -0.00091 |
| 3 | 0.97399 | -0.001685 | 0.00387 | 0.00001 |
| 4 | 0.97399 | -0.000906 | 0.00001 | 0.00089 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA149 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -138.0206 | |
| Full Log Likelihood | | -138.0206 | |
| AIC (smaller is better) | | 284.0413 | |
| AICC (smaller is better) | | 284.0815 | |
| BIC (smaller is better) | | 303.6723 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08069 | -0.03979 | 0.0001773 | -0.03534 |
| Prm2 | -0.03979 | 0.17954 | -0.005320 | 0.002044 |
| Prm3 | 0.0001773 | -0.005320 | 0.02878 | -0.004057 |
| Prm4 | -0.03534 | 0.002044 | -0.004057 | 0.02993 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3100 | 0.2841 | -3.8667 | -2.7532 | 135.78 | <.0001 |
| A | 1 | -0.9425 | 0.4237 | -1.7729 | -0.1120 | 4.95 | 0.0261 |
| M_cont | 1 | 0.1646 | 0.1696 | -0.1678 | 0.4971 | 0.94 | 0.3318 |
| C | 1 | 0.1274 | 0.1730 | -0.2117 | 0.4665 | 0.54 | 0.4615 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02822 | -0.18135 | 0.17775 | 0.13788 |
| 2 | 1.02822 | 0.00295 | -0.00183 | -0.00111 |
| 3 | 1.02822 | -0.00183 | 0.00436 | 0.00003 |
| 4 | 1.02822 | -0.00111 | 0.00003 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA150 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -1.0672 | 0.0000 | -1.0672 | -1.0672 | . | . |
| A | 0 | -0.3837 | 0.0000 | -0.3837 | -0.3837 | . | . |
| M_cont | 0 | 0.0868 | 0.0000 | 0.0868 | 0.0868 | . | . |
| C | 0 | 0.2907 | 0.0000 | 0.2907 | 0.2907 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08848 | -0.27516 | 0.22856 | 0.19256 |
| 2 | 1.08848 | 0.00345 | -0.00214 | -0.00122 |
| 3 | 1.08848 | -0.00214 | 0.00480 | 0.00001 |
| 4 | 1.08848 | -0.00122 | 0.00001 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA151 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 26 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 26 |
| 2 | 0 | 974 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -118.4918 | |
| Full Log Likelihood | | -118.4918 | |
| AIC (smaller is better) | | 244.9835 | |
| AICC (smaller is better) | | 245.0237 | |
| BIC (smaller is better) | | 264.6146 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07772 | -0.05574 | 0.008084 | -0.03004 |
| Prm2 | -0.05574 | 0.17810 | -0.008053 | 0.001820 |
| Prm3 | 0.008084 | -0.008053 | 0.03395 | -0.006523 |
| Prm4 | -0.03004 | 0.001820 | -0.006523 | 0.03782 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1781 | 0.2788 | -3.7245 | -2.6317 | 129.95 | <.0001 |
| A | 1 | -0.5952 | 0.4220 | -1.4224 | 0.2319 | 1.99 | 0.1584 |
| M_cont | 1 | -0.0024 | 0.1842 | -0.3635 | 0.3587 | 0.00 | 0.9896 |
| C | 1 | -0.2693 | 0.1945 | -0.6504 | 0.1119 | 1.92 | 0.1662 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04677 | -0.24901 | 0.24643 | 0.20282 |
| 2 | 1.04677 | 0.00319 | -0.00202 | -0.00113 |
| 3 | 1.04677 | -0.00202 | 0.00444 | 0.00005 |
| 4 | 1.04677 | -0.00113 | 0.00005 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA152 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.9521 | 0.0000 | -0.9521 | -0.9521 | . | . |
| A | 0 | 0.1941 | 0.0000 | 0.1941 | 0.1941 | . | . |
| M_cont | 0 | 0.1440 | 0.0000 | 0.1440 | 0.1440 | . | . |
| C | 0 | 0.1475 | 0.0000 | 0.1475 | 0.1475 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00957 | -0.18859 | 0.18733 | 0.19918 |
| 2 | 1.00957 | 0.00284 | -0.00179 | -0.00108 |
| 3 | 1.00957 | -0.00179 | 0.00420 | 0.00005 |
| 4 | 1.00957 | -0.00108 | 0.00005 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA153 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 55 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 55 |
| 2 | 0 | 945 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -203.9731 | |
| Full Log Likelihood | | -203.9731 | |
| AIC (smaller is better) | | 415.9462 | |
| AICC (smaller is better) | | 415.9864 | |
| BIC (smaller is better) | | 435.5773 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05774 | -0.02734 | -0.002888 | -0.02133 |
| Prm2 | -0.02734 | 0.07761 | -0.002261 | 0.002508 |
| Prm3 | -0.002888 | -0.002261 | 0.01470 | -0.002809 |
| Prm4 | -0.02133 | 0.002508 | -0.002809 | 0.01528 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2467 | 0.2403 | -3.7176 | -2.7757 | 182.56 | <.0001 |
| A | 1 | -0.3617 | 0.2786 | -0.9077 | 0.1843 | 1.69 | 0.1941 |
| M_cont | 1 | 0.3210 | 0.1212 | 0.0834 | 0.5586 | 7.01 | 0.0081 |
| C | 1 | 0.3302 | 0.1236 | 0.0880 | 0.5725 | 7.14 | 0.0075 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04268 | -0.12350 | 0.10674 | 0.15324 |
| 2 | 1.04268 | 0.00283 | -0.00185 | -0.00101 |
| 3 | 1.04268 | -0.00185 | 0.00450 | 0.00002 |
| 4 | 1.04268 | -0.00101 | 0.00002 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA154 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 33 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 33 |
| 2 | 0 | 967 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.9227 | 0.0000 | -0.9227 | -0.9227 | . | . |
| A | 0 | 0.1071 | 0.0000 | 0.1071 | 0.1071 | . | . |
| M_cont | 0 | 0.2205 | 0.0000 | 0.2205 | 0.2205 | . | . |
| C | 0 | 0.0651 | 0.0000 | 0.0651 | 0.0651 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04423 | -0.094560 | 0.20459 | 0.091752 |
| 2 | 1.04423 | 0.003284 | -0.00209 | -0.001244 |
| 3 | 1.04423 | -0.002087 | 0.00447 | 0.000155 |
| 4 | 1.04423 | -0.001244 | 0.00015 | 0.001131 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA155 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -160.6491 | |
| Full Log Likelihood | | -160.6491 | |
| AIC (smaller is better) | | 329.2982 | |
| AICC (smaller is better) | | 329.3384 | |
| BIC (smaller is better) | | 348.9293 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05485 | -0.03277 | 0.001635 | -0.02286 |
| Prm2 | -0.03277 | 0.14265 | -0.007367 | 0.001930 |
| Prm3 | 0.001635 | -0.007367 | 0.02349 | -0.003892 |
| Prm4 | -0.02286 | 0.001930 | -0.003892 | 0.02263 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.8886 | 0.2342 | -3.3476 | -2.4296 | 152.13 | <.0001 |
| A | 1 | -0.9930 | 0.3777 | -1.7332 | -0.2527 | 6.91 | 0.0086 |
| M_cont | 1 | 0.1191 | 0.1533 | -0.1813 | 0.4195 | 0.60 | 0.4373 |
| C | 1 | -0.0439 | 0.1504 | -0.3388 | 0.2509 | 0.09 | 0.7703 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03038 | -0.20507 | 0.30737 | 0.17238 |
| 2 | 1.03038 | 0.00299 | -0.00195 | -0.00103 |
| 3 | 1.03038 | -0.00195 | 0.00432 | 0.00005 |
| 4 | 1.03038 | -0.00103 | 0.00005 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA156 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 26 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 26 |
| 2 | 0 | 974 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -112.2752 | |
| Full Log Likelihood | | -112.2752 | |
| AIC (smaller is better) | | 232.5503 | |
| AICC (smaller is better) | | 232.5905 | |
| BIC (smaller is better) | | 252.1813 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10694 | -0.03759 | -0.01149 | -0.04307 |
| Prm2 | -0.03759 | 0.24534 | -0.01210 | -0.000713 |
| Prm3 | -0.01149 | -0.01210 | 0.03736 | -0.006970 |
| Prm4 | -0.04307 | -0.000713 | -0.006970 | 0.03638 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.7017 | 0.3270 | -4.3426 | -3.0607 | 128.13 | <.0001 |
| A | 1 | -1.2891 | 0.4953 | -2.2599 | -0.3183 | 6.77 | 0.0093 |
| M_cont | 1 | 0.5018 | 0.1933 | 0.1230 | 0.8806 | 6.74 | 0.0094 |
| C | 1 | 0.2426 | 0.1907 | -0.1312 | 0.6165 | 1.62 | 0.2034 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03968 | -0.15937 | 0.13724 | 0.17309 |
| 2 | 1.03968 | 0.00282 | -0.00182 | -0.00099 |
| 3 | 1.03968 | -0.00182 | 0.00442 | -0.00008 |
| 4 | 1.03968 | -0.00099 | -0.00008 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA157 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 26 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 26 |
| 2 | 0 | 974 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -118.7961 | |
| Full Log Likelihood | | -118.7961 | |
| AIC (smaller is better) | | 245.5922 | |
| AICC (smaller is better) | | 245.6324 | |
| BIC (smaller is better) | | 265.2232 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10259 | -0.05583 | -0.001042 | -0.04120 |
| Prm2 | -0.05583 | 0.17732 | -0.006113 | 0.003330 |
| Prm3 | -0.001042 | -0.006113 | 0.03583 | -0.007912 |
| Prm4 | -0.04120 | 0.003330 | -0.007912 | 0.03686 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6060 | 0.3203 | -4.2338 | -2.9782 | 126.75 | <.0001 |
| A | 1 | -0.5500 | 0.4211 | -1.3753 | 0.2754 | 1.71 | 0.1915 |
| M_cont | 1 | 0.2119 | 0.1893 | -0.1591 | 0.5829 | 1.25 | 0.2629 |
| C | 1 | 0.1047 | 0.1920 | -0.2716 | 0.4810 | 0.30 | 0.5856 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02664 | -0.15626 | 0.14436 | 0.18920 |
| 2 | 1.02664 | 0.00290 | -0.00187 | -0.00105 |
| 3 | 1.02664 | -0.00187 | 0.00431 | 0.00003 |
| 4 | 1.02664 | -0.00105 | 0.00003 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA158 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 33 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 33 |
| 2 | 0 | 967 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -142.7899 | |
| Full Log Likelihood | | -142.7899 | |
| AIC (smaller is better) | | 293.5797 | |
| AICC (smaller is better) | | 293.6199 | |
| BIC (smaller is better) | | 313.2108 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07788 | -0.04146 | 0.004202 | -0.03209 |
| Prm2 | -0.04146 | 0.14158 | -0.007625 | 0.0006405 |
| Prm3 | 0.004202 | -0.007625 | 0.02508 | -0.006148 |
| Prm4 | -0.03209 | 0.0006405 | -0.006148 | 0.02861 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3900 | 0.2791 | -3.9370 | -2.8430 | 147.56 | <.0001 |
| A | 1 | -0.6281 | 0.3763 | -1.3655 | 0.1094 | 2.79 | 0.0951 |
| M_cont | 1 | 0.0640 | 0.1584 | -0.2464 | 0.3743 | 0.16 | 0.6862 |
| C | 1 | 0.1923 | 0.1691 | -0.1392 | 0.5238 | 1.29 | 0.2555 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06612 | -0.22770 | 0.31771 | 0.22490 |
| 2 | 1.06612 | 0.00295 | -0.00198 | -0.00100 |
| 3 | 1.06612 | -0.00198 | 0.00461 | -0.00006 |
| 4 | 1.06612 | -0.00100 | -0.00006 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA159 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -149.6399 | |
| Full Log Likelihood | | -149.6399 | |
| AIC (smaller is better) | | 307.2798 | |
| AICC (smaller is better) | | 307.3200 | |
| BIC (smaller is better) | | 326.9108 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06790 | -0.03960 | 0.003159 | -0.02782 |
| Prm2 | -0.03960 | 0.13600 | -0.001202 | 0.001423 |
| Prm3 | 0.003159 | -0.001202 | 0.02617 | -0.005529 |
| Prm4 | -0.02782 | 0.001423 | -0.005529 | 0.02631 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1831 | 0.2606 | -3.6939 | -2.6724 | 149.22 | <.0001 |
| A | 1 | -0.6763 | 0.3688 | -1.3991 | 0.0464 | 3.36 | 0.0667 |
| M_cont | 1 | 0.0746 | 0.1618 | -0.2424 | 0.3917 | 0.21 | 0.6445 |
| C | 1 | 0.0684 | 0.1622 | -0.2495 | 0.3863 | 0.18 | 0.6732 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02940 | -0.18845 | 0.069114 | 0.18768 |
| 2 | 1.02940 | 0.00282 | -0.001921 | -0.00095 |
| 3 | 1.02940 | -0.00192 | 0.004302 | 0.00003 |
| 4 | 1.02940 | -0.00095 | 0.000030 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA160 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -149.1458 | |
| Full Log Likelihood | | -149.1458 | |
| AIC (smaller is better) | | 306.2917 | |
| AICC (smaller is better) | | 306.3319 | |
| BIC (smaller is better) | | 325.9227 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05282 | -0.03722 | 0.0004739 | -0.02015 |
| Prm2 | -0.03722 | 0.13577 | -0.002020 | -0.001128 |
| Prm3 | 0.0004739 | -0.002020 | 0.02843 | -0.003096 |
| Prm4 | -0.02015 | -0.001128 | -0.003096 | 0.02791 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9237 | 0.2298 | -3.3741 | -2.4733 | 161.85 | <.0001 |
| A | 1 | -0.5564 | 0.3685 | -1.2786 | 0.1658 | 2.28 | 0.1310 |
| M_cont | 1 | 0.0319 | 0.1686 | -0.2986 | 0.3623 | 0.04 | 0.8502 |
| C | 1 | -0.2677 | 0.1671 | -0.5951 | 0.0598 | 2.57 | 0.1091 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99897 | -0.060898 | 0.093613 | 0.11209 |
| 2 | 0.99897 | 0.002667 | -0.001674 | -0.00095 |
| 3 | 0.99897 | -0.001674 | 0.004117 | -0.00003 |
| 4 | 0.99897 | -0.000952 | -0.000026 | 0.00094 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA161 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 37 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 37 |
| 2 | 0 | 963 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -157.9801 | |
| Full Log Likelihood | | -157.9801 | |
| AIC (smaller is better) | | 323.9602 | |
| AICC (smaller is better) | | 324.0004 | |
| BIC (smaller is better) | | 343.5913 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07253 | -0.04087 | 0.005626 | -0.02802 |
| Prm2 | -0.04087 | 0.11106 | -0.002549 | -0.000928 |
| Prm3 | 0.005626 | -0.002549 | 0.02469 | -0.004080 |
| Prm4 | -0.02802 | -0.000928 | -0.004080 | 0.02556 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3284 | 0.2693 | -3.8563 | -2.8006 | 152.74 | <.0001 |
| A | 1 | -0.1355 | 0.3333 | -0.7887 | 0.5176 | 0.17 | 0.6842 |
| M_cont | 1 | -0.0781 | 0.1571 | -0.3861 | 0.2299 | 0.25 | 0.6191 |
| C | 1 | 0.0820 | 0.1599 | -0.2314 | 0.3954 | 0.26 | 0.6080 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02702 | -0.15392 | 0.14808 | 0.15930 |
| 2 | 1.02702 | 0.00286 | -0.00176 | -0.00104 |
| 3 | 1.02702 | -0.00176 | 0.00436 | -0.00003 |
| 4 | 1.02702 | -0.00104 | -0.00003 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA162 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 45 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 45 |
| 2 | 0 | 955 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -181.1371 | |
| Full Log Likelihood | | -181.1371 | |
| AIC (smaller is better) | | 370.2742 | |
| AICC (smaller is better) | | 370.3144 | |
| BIC (smaller is better) | | 389.9052 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05563 | -0.03409 | 0.008220 | -0.02277 |
| Prm2 | -0.03409 | 0.09665 | -0.004210 | 0.001594 |
| Prm3 | 0.008220 | -0.004210 | 0.01873 | -0.003437 |
| Prm4 | -0.02277 | 0.001594 | -0.003437 | 0.02261 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9206 | 0.2359 | -3.3828 | -2.4583 | 153.33 | <.0001 |
| A | 1 | -0.3858 | 0.3109 | -0.9951 | 0.2235 | 1.54 | 0.2146 |
| M_cont | 1 | -0.2151 | 0.1369 | -0.4833 | 0.0531 | 2.47 | 0.1160 |
| C | 1 | -0.0408 | 0.1504 | -0.3355 | 0.2540 | 0.07 | 0.7863 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04306 | -0.19680 | 0.25997 | 0.17993 |
| 2 | 1.04306 | 0.00318 | -0.00202 | -0.00118 |
| 3 | 1.04306 | -0.00202 | 0.00443 | 0.00009 |
| 4 | 1.04306 | -0.00118 | 0.00009 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA163 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.9671 | 0.0000 | -0.9671 | -0.9671 | . | . |
| A | 0 | -0.1356 | 0.0000 | -0.1356 | -0.1356 | . | . |
| M_cont | 0 | 0.0557 | 0.0000 | 0.0557 | 0.0557 | . | . |
| C | 0 | 0.2420 | 0.0000 | 0.2420 | 0.2420 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01451 | -0.13321 | 0.17570 | 0.17587 |
| 2 | 1.01451 | 0.00290 | -0.00181 | -0.00110 |
| 3 | 1.01451 | -0.00181 | 0.00427 | 0.00008 |
| 4 | 1.01451 | -0.00110 | 0.00008 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA164 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -127.4082 | |
| Full Log Likelihood | | -127.4082 | |
| AIC (smaller is better) | | 262.8165 | |
| AICC (smaller is better) | | 262.8567 | |
| BIC (smaller is better) | | 282.4475 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10730 | -0.06368 | 0.004240 | -0.04037 |
| Prm2 | -0.06368 | 0.14287 | -0.005775 | 0.003235 |
| Prm3 | 0.004240 | -0.005775 | 0.03079 | -0.007170 |
| Prm4 | -0.04037 | 0.003235 | -0.007170 | 0.03535 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6126 | 0.3276 | -4.2547 | -2.9706 | 121.63 | <.0001 |
| A | 1 | -0.0608 | 0.3780 | -0.8016 | 0.6801 | 0.03 | 0.8723 |
| M_cont | 1 | 0.1196 | 0.1755 | -0.2244 | 0.4635 | 0.46 | 0.4956 |
| C | 1 | 0.0433 | 0.1880 | -0.3252 | 0.4117 | 0.05 | 0.8181 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05869 | -0.25467 | 0.18397 | 0.21477 |
| 2 | 1.05869 | 0.00332 | -0.00209 | -0.00120 |
| 3 | 1.05869 | -0.00209 | 0.00456 | 0.00008 |
| 4 | 1.05869 | -0.00120 | 0.00008 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA165 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.4732 | 0.0000 | -0.4732 | -0.4732 | . | . |
| A | 0 | -0.3154 | 0.0000 | -0.3154 | -0.3154 | . | . |
| M_cont | 0 | 0.1860 | 0.0000 | 0.1860 | 0.1860 | . | . |
| C | 0 | -0.1022 | 0.0000 | -0.1022 | -0.1022 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.10554 | -0.19462 | 0.19059 | 0.14448 |
| 2 | 1.10554 | 0.00339 | -0.00214 | -0.00120 |
| 3 | 1.10554 | -0.00214 | 0.00500 | 0.00001 |
| 4 | 1.10554 | -0.00120 | 0.00001 | 0.00116 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA166 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 25 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 25 |
| 2 | 0 | 975 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -115.0238 | |
| Full Log Likelihood | | -115.0238 | |
| AIC (smaller is better) | | 238.0476 | |
| AICC (smaller is better) | | 238.0878 | |
| BIC (smaller is better) | | 257.6786 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10777 | -0.05924 | 0.003258 | -0.04279 |
| Prm2 | -0.05924 | 0.19467 | -0.001593 | 0.004529 |
| Prm3 | 0.003258 | -0.001593 | 0.03672 | -0.006954 |
| Prm4 | -0.04279 | 0.004529 | -0.006954 | 0.03438 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.7266 | 0.3283 | -4.3700 | -3.0831 | 128.86 | <.0001 |
| A | 1 | -0.6039 | 0.4412 | -1.4687 | 0.2608 | 1.87 | 0.1711 |
| M_cont | 1 | 0.0351 | 0.1916 | -0.3404 | 0.4107 | 0.03 | 0.8545 |
| C | 1 | 0.2231 | 0.1854 | -0.1403 | 0.5866 | 1.45 | 0.2289 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05344 | -0.11573 | 0.027095 | 0.18215 |
| 2 | 1.05344 | 0.00290 | -0.001957 | -0.00101 |
| 3 | 1.05344 | -0.00196 | 0.004557 | 0.00004 |
| 4 | 1.05344 | -0.00101 | 0.000044 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA167 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 41 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 41 |
| 2 | 0 | 959 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -169.5945 | |
| Full Log Likelihood | | -169.5945 | |
| AIC (smaller is better) | | 347.1889 | |
| AICC (smaller is better) | | 347.2291 | |
| BIC (smaller is better) | | 366.8199 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05172 | -0.03602 | 0.006834 | -0.01929 |
| Prm2 | -0.03602 | 0.10527 | -0.004635 | -0.000322 |
| Prm3 | 0.006834 | -0.004635 | 0.01955 | -0.003251 |
| Prm4 | -0.01929 | -0.000322 | -0.003251 | 0.02393 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9285 | 0.2274 | -3.3742 | -2.4828 | 165.82 | <.0001 |
| A | 1 | -0.2734 | 0.3245 | -0.9093 | 0.3626 | 0.71 | 0.3995 |
| M_cont | 1 | -0.0898 | 0.1398 | -0.3638 | 0.1843 | 0.41 | 0.5208 |
| C | 1 | -0.1855 | 0.1547 | -0.4887 | 0.1177 | 1.44 | 0.2304 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08453 | -0.26322 | 0.27459 | 0.17909 |
| 2 | 1.08453 | 0.00319 | -0.00201 | -0.00119 |
| 3 | 1.08453 | -0.00201 | 0.00486 | 0.00001 |
| 4 | 1.08453 | -0.00119 | 0.00001 | 0.00118 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA168 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 27 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 27 |
| 2 | 0 | 973 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -122.1564 | |
| Full Log Likelihood | | -122.1564 | |
| AIC (smaller is better) | | 252.3128 | |
| AICC (smaller is better) | | 252.3530 | |
| BIC (smaller is better) | | 271.9438 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09221 | -0.07217 | -0.001046 | -0.02434 |
| Prm2 | -0.07217 | 0.14582 | -0.007396 | -0.002080 |
| Prm3 | -0.001046 | -0.007396 | 0.03253 | -0.006524 |
| Prm4 | -0.02434 | -0.002080 | -0.006524 | 0.03623 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5318 | 0.3037 | -4.1269 | -2.9366 | 135.27 | <.0001 |
| A | 1 | 0.3077 | 0.3819 | -0.4407 | 1.0561 | 0.65 | 0.4204 |
| M_cont | 1 | 0.2074 | 0.1803 | -0.1461 | 0.5609 | 1.32 | 0.2502 |
| C | 1 | -0.2999 | 0.1903 | -0.6729 | 0.0732 | 2.48 | 0.1151 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05524 | -0.19811 | 0.21076 | 0.20185 |
| 2 | 1.05524 | 0.00309 | -0.00196 | -0.00110 |
| 3 | 1.05524 | -0.00196 | 0.00453 | -0.00001 |
| 4 | 1.05524 | -0.00110 | -0.00001 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA169 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -146.9352 | |
| Full Log Likelihood | | -146.9352 | |
| AIC (smaller is better) | | 301.8705 | |
| AICC (smaller is better) | | 301.9107 | |
| BIC (smaller is better) | | 321.5015 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08665 | -0.03578 | 0.007026 | -0.03633 |
| Prm2 | -0.03578 | 0.15825 | -0.004655 | 0.0001580 |
| Prm3 | 0.007026 | -0.004655 | 0.02372 | -0.003401 |
| Prm4 | -0.03633 | 0.0001580 | -0.003401 | 0.02572 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5140 | 0.2944 | -4.0909 | -2.9371 | 142.51 | <.0001 |
| A | 1 | -0.8195 | 0.3978 | -1.5992 | -0.0398 | 4.24 | 0.0394 |
| M_cont | 1 | -0.1077 | 0.1540 | -0.4095 | 0.1942 | 0.49 | 0.4845 |
| C | 1 | 0.3426 | 0.1604 | 0.0283 | 0.6569 | 4.56 | 0.0327 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05772 | -0.20013 | 0.22834 | 0.15833 |
| 2 | 1.05772 | 0.00297 | -0.00180 | -0.00108 |
| 3 | 1.05772 | -0.00180 | 0.00466 | -0.00007 |
| 4 | 1.05772 | -0.00108 | -0.00007 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA170 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -159.0726 | |
| Full Log Likelihood | | -159.0726 | |
| AIC (smaller is better) | | 326.1452 | |
| AICC (smaller is better) | | 326.1854 | |
| BIC (smaller is better) | | 345.7763 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07736 | -0.04138 | 0.0004241 | -0.02840 |
| Prm2 | -0.04138 | 0.10758 | -0.006657 | 0.001345 |
| Prm3 | 0.0004241 | -0.006657 | 0.02129 | -0.004949 |
| Prm4 | -0.02840 | 0.001345 | -0.004949 | 0.02349 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4002 | 0.2781 | -3.9454 | -2.8551 | 149.46 | <.0001 |
| A | 1 | -0.2320 | 0.3280 | -0.8749 | 0.4108 | 0.50 | 0.4793 |
| M_cont | 1 | 0.2470 | 0.1459 | -0.0390 | 0.5329 | 2.87 | 0.0905 |
| C | 1 | 0.1503 | 0.1533 | -0.1501 | 0.4507 | 0.96 | 0.3267 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08615 | -0.21472 | 0.16663 | 0.19035 |
| 2 | 1.08615 | 0.00328 | -0.00210 | -0.00114 |
| 3 | 1.08615 | -0.00210 | 0.00480 | 0.00001 |
| 4 | 1.08615 | -0.00114 | 0.00001 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA171 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 42 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 42 |
| 2 | 0 | 958 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -174.0486 | |
| Full Log Likelihood | | -174.0486 | |
| AIC (smaller is better) | | 356.0972 | |
| AICC (smaller is better) | | 356.1374 | |
| BIC (smaller is better) | | 375.7282 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06633 | -0.03894 | 0.006288 | -0.02540 |
| Prm2 | -0.03894 | 0.09539 | -0.003803 | 0.0002669 |
| Prm3 | 0.006288 | -0.003803 | 0.02033 | -0.003935 |
| Prm4 | -0.02540 | 0.0002669 | -0.003935 | 0.02315 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2307 | 0.2576 | -3.7354 | -2.7259 | 157.34 | <.0001 |
| A | 1 | -0.0397 | 0.3089 | -0.6450 | 0.5657 | 0.02 | 0.8977 |
| M_cont | 1 | -0.0650 | 0.1426 | -0.3444 | 0.2145 | 0.21 | 0.6487 |
| C | 1 | 0.0736 | 0.1521 | -0.2246 | 0.3718 | 0.23 | 0.6287 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05216 | -0.25181 | 0.22859 | 0.19461 |
| 2 | 1.05216 | 0.00304 | -0.00189 | -0.00111 |
| 3 | 1.05216 | -0.00189 | 0.00455 | -0.00001 |
| 4 | 1.05216 | -0.00111 | -0.00001 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA172 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -133.8274 | |
| Full Log Likelihood | | -133.8274 | |
| AIC (smaller is better) | | 275.6548 | |
| AICC (smaller is better) | | 275.6950 | |
| BIC (smaller is better) | | 295.2858 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10155 | -0.07106 | 0.004660 | -0.03204 |
| Prm2 | -0.07106 | 0.13148 | -0.007034 | 0.001529 |
| Prm3 | 0.004660 | -0.007034 | 0.02926 | -0.005315 |
| Prm4 | -0.03204 | 0.001529 | -0.005315 | 0.03223 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6700 | 0.3187 | -4.2946 | -3.0454 | 132.64 | <.0001 |
| A | 1 | 0.4337 | 0.3626 | -0.2770 | 1.1444 | 1.43 | 0.2316 |
| M_cont | 1 | 0.0785 | 0.1711 | -0.2568 | 0.4138 | 0.21 | 0.6463 |
| C | 1 | -0.0501 | 0.1795 | -0.4020 | 0.3017 | 0.08 | 0.7801 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03584 | -0.24078 | 0.24041 | 0.17567 |
| 2 | 1.03584 | 0.00297 | -0.00189 | -0.00107 |
| 3 | 1.03584 | -0.00189 | 0.00440 | 0.00004 |
| 4 | 1.03584 | -0.00107 | 0.00004 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA173 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 30 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 30 |
| 2 | 0 | 970 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -133.7957 | |
| Full Log Likelihood | | -133.7957 | |
| AIC (smaller is better) | | 275.5914 | |
| AICC (smaller is better) | | 275.6316 | |
| BIC (smaller is better) | | 295.2224 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10853 | -0.05983 | 0.001510 | -0.04106 |
| Prm2 | -0.05983 | 0.13654 | -0.006333 | 0.005460 |
| Prm3 | 0.001510 | -0.006333 | 0.03032 | -0.005300 |
| Prm4 | -0.04106 | 0.005460 | -0.005300 | 0.03130 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6910 | 0.3294 | -4.3366 | -3.0453 | 125.53 | <.0001 |
| A | 1 | -0.1480 | 0.3695 | -0.8722 | 0.5763 | 0.16 | 0.6889 |
| M_cont | 1 | 0.0849 | 0.1741 | -0.2564 | 0.4261 | 0.24 | 0.6260 |
| C | 1 | 0.1976 | 0.1769 | -0.1491 | 0.5444 | 1.25 | 0.2640 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03308 | -0.11505 | 0.20365 | 0.15243 |
| 2 | 1.03308 | 0.00313 | -0.00202 | -0.00112 |
| 3 | 1.03308 | -0.00202 | 0.00435 | 0.00011 |
| 4 | 1.03308 | -0.00112 | 0.00011 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA174 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -148.2658 | |
| Full Log Likelihood | | -148.2658 | |
| AIC (smaller is better) | | 304.5315 | |
| AICC (smaller is better) | | 304.5717 | |
| BIC (smaller is better) | | 324.1626 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08171 | -0.04080 | 0.0003102 | -0.03189 |
| Prm2 | -0.04080 | 0.12835 | -0.003025 | 0.001484 |
| Prm3 | 0.0003102 | -0.003025 | 0.02224 | -0.004628 |
| Prm4 | -0.03189 | 0.001484 | -0.004628 | 0.02503 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4610 | 0.2859 | -4.0213 | -2.9008 | 146.60 | <.0001 |
| A | 1 | -0.5341 | 0.3583 | -1.2363 | 0.1681 | 2.22 | 0.1360 |
| M_cont | 1 | 0.1876 | 0.1491 | -0.1047 | 0.4799 | 1.58 | 0.2083 |
| C | 1 | 0.2447 | 0.1582 | -0.0654 | 0.5548 | 2.39 | 0.1219 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09111 | -0.18548 | 0.11801 | 0.15675 |
| 2 | 1.09111 | 0.00320 | -0.00210 | -0.00111 |
| 3 | 1.09111 | -0.00210 | 0.00485 | -0.00000 |
| 4 | 1.09111 | -0.00111 | -0.00000 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA175 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 41 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 41 |
| 2 | 0 | 959 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -1.79769E308 | |
| Full Log Likelihood | | 0.0000 | |
| AIC (smaller is better) | | 8.0000 | |
| AICC (smaller is better) | | 8.0402 | |
| BIC (smaller is better) | | 27.6310 | |

ERROR: The mean parameter is either invalid or at a limit of its range for some observations.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0 | 0 | 0 | 0 |
| Prm2 | 0 | 0 | 0 | 0 |
| Prm3 | 0 | 0 | 0 | 0 |
| Prm4 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 0 | -0.8654 | 0.0000 | -0.8654 | -0.8654 | . | . |
| A | 0 | -0.0914 | 0.0000 | -0.0914 | -0.0914 | . | . |
| M_cont | 0 | 0.1408 | 0.0000 | 0.1408 | 0.1408 | . | . |
| C | 0 | 0.1768 | 0.0000 | 0.1768 | 0.1768 | . | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01658 | -0.20645 | 0.23491 | 0.14896 |
| 2 | 1.01658 | 0.00272 | -0.00176 | -0.00097 |
| 3 | 1.01658 | -0.00176 | 0.00428 | 0.00001 |
| 4 | 1.01658 | -0.00097 | 0.00001 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA176 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 35 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 35 |
| 2 | 0 | 965 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -150.7747 | |
| Full Log Likelihood | | -150.7747 | |
| AIC (smaller is better) | | 309.5495 | |
| AICC (smaller is better) | | 309.5897 | |
| BIC (smaller is better) | | 329.1805 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06459 | -0.03981 | -0.000616 | -0.02357 |
| Prm2 | -0.03981 | 0.12349 | -0.004783 | -0.000962 |
| Prm3 | -0.000616 | -0.004783 | 0.02554 | -0.005038 |
| Prm4 | -0.02357 | -0.000962 | -0.005038 | 0.02558 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2575 | 0.2542 | -3.7556 | -2.7594 | 164.28 | <.0001 |
| A | 1 | -0.2606 | 0.3514 | -0.9494 | 0.4281 | 0.55 | 0.4583 |
| M_cont | 1 | 0.1920 | 0.1598 | -0.1213 | 0.5052 | 1.44 | 0.2297 |
| C | 1 | -0.0329 | 0.1599 | -0.3464 | 0.2806 | 0.04 | 0.8370 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04479 | -0.17824 | 0.15467 | 0.19518 |
| 2 | 1.04479 | 0.00274 | -0.00175 | -0.00097 |
| 3 | 1.04479 | -0.00175 | 0.00457 | -0.00006 |
| 4 | 1.04479 | -0.00097 | -0.00006 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA177 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -123.7223 | |
| Full Log Likelihood | | -123.7223 | |
| AIC (smaller is better) | | 255.4447 | |
| AICC (smaller is better) | | 255.4849 | |
| BIC (smaller is better) | | 275.0757 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09959 | -0.04837 | 0.01113 | -0.04146 |
| Prm2 | -0.04837 | 0.20953 | -0.007681 | 0.002763 |
| Prm3 | 0.01113 | -0.007681 | 0.03170 | -0.004699 |
| Prm4 | -0.04146 | 0.002763 | -0.004699 | 0.03109 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6207 | 0.3156 | -4.2392 | -3.0022 | 131.63 | <.0001 |
| A | 1 | -0.9083 | 0.4577 | -1.8054 | -0.0111 | 3.94 | 0.0472 |
| M_cont | 1 | -0.1620 | 0.1781 | -0.5110 | 0.1870 | 0.83 | 0.3629 |
| C | 1 | 0.2813 | 0.1763 | -0.0643 | 0.6269 | 2.55 | 0.1106 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03659 | -0.22267 | 0.25929 | 0.18864 |
| 2 | 1.03659 | 0.00290 | -0.00180 | -0.00107 |
| 3 | 1.03659 | -0.00180 | 0.00443 | -0.00003 |
| 4 | 1.03659 | -0.00107 | -0.00003 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA178 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -130.3932 | |
| Full Log Likelihood | | -130.3932 | |
| AIC (smaller is better) | | 268.7864 | |
| AICC (smaller is better) | | 268.8266 | |
| BIC (smaller is better) | | 288.4175 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09804 | -0.04327 | 0.001522 | -0.04049 |
| Prm2 | -0.04327 | 0.20311 | -0.004947 | 0.004632 |
| Prm3 | 0.001522 | -0.004947 | 0.02647 | -0.006109 |
| Prm4 | -0.04049 | 0.004632 | -0.006109 | 0.02817 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5297 | 0.3131 | -4.1434 | -2.9160 | 127.08 | <.0001 |
| A | 1 | -1.2298 | 0.4507 | -2.1131 | -0.3465 | 7.45 | 0.0064 |
| M_cont | 1 | 0.1911 | 0.1627 | -0.1278 | 0.5100 | 1.38 | 0.2401 |
| C | 1 | 0.3298 | 0.1678 | 0.0009 | 0.6588 | 3.86 | 0.0494 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08496 | -0.23716 | 0.17538 | 0.19138 |
| 2 | 1.08496 | 0.00333 | -0.00217 | -0.00115 |
| 3 | 1.08496 | -0.00217 | 0.00476 | 0.00004 |
| 4 | 1.08496 | -0.00115 | 0.00004 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA179 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 36 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 36 |
| 2 | 0 | 964 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -152.6821 | |
| Full Log Likelihood | | -152.6821 | |
| AIC (smaller is better) | | 313.3642 | |
| AICC (smaller is better) | | 313.4044 | |
| BIC (smaller is better) | | 332.9952 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08619 | -0.04471 | 0.003324 | -0.03485 |
| Prm2 | -0.04471 | 0.12756 | -0.002444 | 0.004850 |
| Prm3 | 0.003324 | -0.002444 | 0.02302 | -0.003395 |
| Prm4 | -0.03485 | 0.004850 | -0.003395 | 0.02532 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4726 | 0.2936 | -4.0481 | -2.8972 | 139.91 | <.0001 |
| A | 1 | -0.4420 | 0.3572 | -1.1420 | 0.2580 | 1.53 | 0.2159 |
| M_cont | 1 | -0.0147 | 0.1517 | -0.3121 | 0.2826 | 0.01 | 0.9227 |
| C | 1 | 0.2635 | 0.1591 | -0.0483 | 0.5754 | 2.74 | 0.0977 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06464 | -0.13109 | 0.14963 | 0.13709 |
| 2 | 1.06464 | 0.00317 | -0.00203 | -0.00116 |
| 3 | 1.06464 | -0.00203 | 0.00468 | 0.00009 |
| 4 | 1.06464 | -0.00116 | 0.00009 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA180 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -160.4795 | |
| Full Log Likelihood | | -160.4795 | |
| AIC (smaller is better) | | 328.9591 | |
| AICC (smaller is better) | | 328.9993 | |
| BIC (smaller is better) | | 348.5901 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08689 | -0.04892 | 0.005363 | -0.03294 |
| Prm2 | -0.04892 | 0.10306 | -0.004379 | 0.002856 |
| Prm3 | 0.005363 | -0.004379 | 0.02368 | -0.006180 |
| Prm4 | -0.03294 | 0.002856 | -0.006180 | 0.02653 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5561 | 0.2948 | -4.1338 | -2.9783 | 145.53 | <.0001 |
| A | 1 | 0.0823 | 0.3210 | -0.5469 | 0.7115 | 0.07 | 0.7976 |
| M_cont | 1 | 0.0171 | 0.1539 | -0.2845 | 0.3188 | 0.01 | 0.9113 |
| C | 1 | 0.2226 | 0.1629 | -0.0966 | 0.5419 | 1.87 | 0.1717 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01517 | -0.22264 | 0.21671 | 0.22787 |
| 2 | 1.01517 | 0.00288 | -0.00184 | -0.00107 |
| 3 | 1.01517 | -0.00184 | 0.00421 | 0.00003 |
| 4 | 1.01517 | -0.00107 | 0.00003 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA181 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -151.5026 | |
| Full Log Likelihood | | -151.5026 | |
| AIC (smaller is better) | | 311.0053 | |
| AICC (smaller is better) | | 311.0455 | |
| BIC (smaller is better) | | 330.6363 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06999 | -0.03443 | -0.001143 | -0.02988 |
| Prm2 | -0.03443 | 0.27558 | -0.002022 | 0.006012 |
| Prm3 | -0.001143 | -0.002022 | 0.02151 | -0.004798 |
| Prm4 | -0.02988 | 0.006012 | -0.004798 | 0.02199 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1217 | 0.2646 | -3.6402 | -2.6032 | 139.24 | <.0001 |
| A | 1 | -1.8511 | 0.5250 | -2.8800 | -0.8222 | 12.43 | 0.0004 |
| M_cont | 1 | 0.2170 | 0.1467 | -0.0705 | 0.5045 | 2.19 | 0.1390 |
| C | 1 | 0.2279 | 0.1483 | -0.0628 | 0.5186 | 2.36 | 0.1243 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07322 | -0.10220 | 0.093487 | 0.14081 |
| 2 | 1.07322 | 0.00335 | -0.002234 | -0.00121 |
| 3 | 1.07322 | -0.00223 | 0.004737 | 0.00020 |
| 4 | 1.07322 | -0.00121 | 0.000196 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA182 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 38 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 38 |
| 2 | 0 | 962 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -159.7069 | |
| Full Log Likelihood | | -159.7069 | |
| AIC (smaller is better) | | 327.4138 | |
| AICC (smaller is better) | | 327.4540 | |
| BIC (smaller is better) | | 347.0448 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07667 | -0.04232 | 0.004912 | -0.02948 |
| Prm2 | -0.04232 | 0.11334 | -0.002568 | 0.003271 |
| Prm3 | 0.004912 | -0.002568 | 0.02155 | -0.004186 |
| Prm4 | -0.02948 | 0.003271 | -0.004186 | 0.02253 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3384 | 0.2769 | -3.8811 | -2.7957 | 145.36 | <.0001 |
| A | 1 | -0.4173 | 0.3367 | -1.0772 | 0.2425 | 1.54 | 0.2151 |
| M_cont | 1 | -0.0287 | 0.1468 | -0.3164 | 0.2590 | 0.04 | 0.8452 |
| C | 1 | 0.2056 | 0.1501 | -0.0886 | 0.4999 | 1.88 | 0.1707 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07048 | -0.19241 | 0.13680 | 0.18734 |
| 2 | 1.07048 | 0.00325 | -0.00217 | -0.00110 |
| 3 | 1.07048 | -0.00217 | 0.00464 | 0.00009 |
| 4 | 1.07048 | -0.00110 | 0.00009 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA183 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 51 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 51 |
| 2 | 0 | 949 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -198.8790 | |
| Full Log Likelihood | | -198.8790 | |
| AIC (smaller is better) | | 405.7580 | |
| AICC (smaller is better) | | 405.7982 | |
| BIC (smaller is better) | | 425.3891 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05336 | -0.03067 | -0.001710 | -0.01795 |
| Prm2 | -0.03067 | 0.07718 | -0.005350 | -0.000155 |
| Prm3 | -0.001710 | -0.005350 | 0.01652 | -0.003355 |
| Prm4 | -0.01795 | -0.000155 | -0.003355 | 0.01697 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0672 | 0.2310 | -3.5200 | -2.6144 | 176.30 | <.0001 |
| A | 1 | -0.0034 | 0.2778 | -0.5479 | 0.5411 | 0.00 | 0.9903 |
| M_cont | 1 | 0.2833 | 0.1285 | 0.0314 | 0.5352 | 4.86 | 0.0275 |
| C | 1 | 0.0092 | 0.1303 | -0.2461 | 0.2646 | 0.01 | 0.9434 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04710 | -0.16528 | 0.25302 | 0.17238 |
| 2 | 1.04710 | 0.00301 | -0.00185 | -0.00107 |
| 3 | 1.04710 | -0.00185 | 0.00453 | -0.00001 |
| 4 | 1.04710 | -0.00107 | -0.00001 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA184 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -125.8144 | |
| Full Log Likelihood | | -125.8144 | |
| AIC (smaller is better) | | 259.6289 | |
| AICC (smaller is better) | | 259.6691 | |
| BIC (smaller is better) | | 279.2599 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08985 | -0.04965 | 0.002339 | -0.03612 |
| Prm2 | -0.04965 | 0.17133 | -0.003969 | 0.001669 |
| Prm3 | 0.002339 | -0.003969 | 0.03331 | -0.005177 |
| Prm4 | -0.03612 | 0.001669 | -0.005177 | 0.03158 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4890 | 0.2997 | -4.0765 | -2.9015 | 135.49 | <.0001 |
| A | 1 | -0.6858 | 0.4139 | -1.4971 | 0.1255 | 2.74 | 0.0976 |
| M_cont | 1 | 0.0584 | 0.1825 | -0.2993 | 0.4161 | 0.10 | 0.7491 |
| C | 1 | 0.1461 | 0.1777 | -0.2023 | 0.4944 | 0.68 | 0.4111 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03808 | -0.097946 | 0.12017 | 0.12011 |
| 2 | 1.03808 | 0.002896 | -0.00191 | -0.00100 |
| 3 | 1.03808 | -0.001906 | 0.00437 | -0.00002 |
| 4 | 1.03808 | -0.000999 | -0.00002 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA185 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -137.5309 | |
| Full Log Likelihood | | -137.5309 | |
| AIC (smaller is better) | | 283.0618 | |
| AICC (smaller is better) | | 283.1020 | |
| BIC (smaller is better) | | 302.6928 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09899 | -0.05617 | 0.0002940 | -0.03771 |
| Prm2 | -0.05617 | 0.12931 | -0.005129 | 0.002945 |
| Prm3 | 0.0002940 | -0.005129 | 0.02734 | -0.005095 |
| Prm4 | -0.03771 | 0.002945 | -0.005095 | 0.03227 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5385 | 0.3146 | -4.1552 | -2.9218 | 126.48 | <.0001 |
| A | 1 | -0.0772 | 0.3596 | -0.7820 | 0.6276 | 0.05 | 0.8300 |
| M_cont | 1 | 0.1712 | 0.1654 | -0.1529 | 0.4953 | 1.07 | 0.3004 |
| C | 1 | 0.0598 | 0.1796 | -0.2923 | 0.4119 | 0.11 | 0.7392 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04960 | -0.17479 | 0.17792 | 0.15827 |
| 2 | 1.04960 | 0.00331 | -0.00202 | -0.00123 |
| 3 | 1.04960 | -0.00202 | 0.00449 | 0.00007 |
| 4 | 1.04960 | -0.00123 | 0.00007 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA186 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 27 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 27 |
| 2 | 0 | 973 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -120.8736 | |
| Full Log Likelihood | | -120.8736 | |
| AIC (smaller is better) | | 249.7473 | |
| AICC (smaller is better) | | 249.7875 | |
| BIC (smaller is better) | | 269.3783 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.11578 | -0.05594 | -0.002949 | -0.04678 |
| Prm2 | -0.05594 | 0.17586 | -0.009116 | 0.005817 |
| Prm3 | -0.002949 | -0.009116 | 0.03542 | -0.005191 |
| Prm4 | -0.04678 | 0.005817 | -0.005191 | 0.03505 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.7484 | 0.3403 | -4.4153 | -3.0815 | 121.35 | <.0001 |
| A | 1 | -0.6547 | 0.4194 | -1.4767 | 0.1672 | 2.44 | 0.1185 |
| M_cont | 1 | 0.2169 | 0.1882 | -0.1519 | 0.5858 | 1.33 | 0.2491 |
| C | 1 | 0.2815 | 0.1872 | -0.0855 | 0.6484 | 2.26 | 0.1327 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02823 | -0.15277 | 0.22754 | 0.16122 |
| 2 | 1.02823 | 0.00301 | -0.00192 | -0.00110 |
| 3 | 1.02823 | -0.00192 | 0.00429 | 0.00004 |
| 4 | 1.02823 | -0.00110 | 0.00004 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA187 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 27 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 27 |
| 2 | 0 | 973 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -122.4203 | |
| Full Log Likelihood | | -122.4203 | |
| AIC (smaller is better) | | 252.8406 | |
| AICC (smaller is better) | | 252.8808 | |
| BIC (smaller is better) | | 272.4716 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09454 | -0.05083 | 0.006275 | -0.03888 |
| Prm2 | -0.05083 | 0.18930 | -0.004823 | 0.002197 |
| Prm3 | 0.006275 | -0.004823 | 0.03584 | -0.005546 |
| Prm4 | -0.03888 | 0.002197 | -0.005546 | 0.03266 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.5677 | 0.3075 | -4.1704 | -2.9651 | 134.64 | <.0001 |
| A | 1 | -0.6670 | 0.4351 | -1.5198 | 0.1857 | 2.35 | 0.1252 |
| M_cont | 1 | 0.0117 | 0.1893 | -0.3593 | 0.3828 | 0.00 | 0.9506 |
| C | 1 | 0.1625 | 0.1807 | -0.1917 | 0.5167 | 0.81 | 0.3687 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00520 | -0.18915 | 0.15348 | 0.15008 |
| 2 | 1.00520 | 0.00261 | -0.00170 | -0.00092 |
| 3 | 1.00520 | -0.00170 | 0.00419 | 0.00000 |
| 4 | 1.00520 | -0.00092 | 0.00000 | 0.00093 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA188 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -163.9355 | |
| Full Log Likelihood | | -163.9355 | |
| AIC (smaller is better) | | 335.8711 | |
| AICC (smaller is better) | | 335.9113 | |
| BIC (smaller is better) | | 355.5021 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07016 | -0.03901 | 0.004387 | -0.02932 |
| Prm2 | -0.03901 | 0.11218 | -0.004583 | 0.002006 |
| Prm3 | 0.004387 | -0.004583 | 0.02377 | -0.003883 |
| Prm4 | -0.02932 | 0.002006 | -0.003883 | 0.02570 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2164 | 0.2649 | -3.7356 | -2.6973 | 147.45 | <.0001 |
| A | 1 | -0.3504 | 0.3349 | -1.0068 | 0.3061 | 1.09 | 0.2955 |
| M_cont | 1 | -0.0381 | 0.1542 | -0.3403 | 0.2641 | 0.06 | 0.8048 |
| C | 1 | 0.0996 | 0.1603 | -0.2146 | 0.4138 | 0.39 | 0.5343 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01130 | -0.13872 | 0.20923 | 0.15254 |
| 2 | 1.01130 | 0.00287 | -0.00181 | -0.00107 |
| 3 | 1.01130 | -0.00181 | 0.00421 | 0.00005 |
| 4 | 1.01130 | -0.00107 | 0.00005 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA189 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 32 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 32 |
| 2 | 0 | 968 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -135.9865 | |
| Full Log Likelihood | | -135.9865 | |
| AIC (smaller is better) | | 279.9730 | |
| AICC (smaller is better) | | 280.0132 | |
| BIC (smaller is better) | | 299.6040 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.10043 | -0.04173 | 0.003332 | -0.04308 |
| Prm2 | -0.04173 | 0.18015 | -0.007561 | 0.003795 |
| Prm3 | 0.003332 | -0.007561 | 0.02666 | -0.006591 |
| Prm4 | -0.04308 | 0.003795 | -0.006591 | 0.03040 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6361 | 0.3169 | -4.2572 | -3.0150 | 131.65 | <.0001 |
| A | 1 | -0.9177 | 0.4244 | -1.7495 | -0.0858 | 4.67 | 0.0306 |
| M_cont | 1 | 0.1275 | 0.1633 | -0.1925 | 0.4475 | 0.61 | 0.4349 |
| C | 1 | 0.3683 | 0.1744 | 0.0266 | 0.7100 | 4.46 | 0.0347 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04570 | -0.18606 | 0.23345 | 0.19018 |
| 2 | 1.04570 | 0.00297 | -0.00184 | -0.00110 |
| 3 | 1.04570 | -0.00184 | 0.00453 | 0.00000 |
| 4 | 1.04570 | -0.00110 | 0.00000 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA190 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -163.3206 | |
| Full Log Likelihood | | -163.3206 | |
| AIC (smaller is better) | | 334.6413 | |
| AICC (smaller is better) | | 334.6815 | |
| BIC (smaller is better) | | 354.2723 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.06891 | -0.03971 | 0.0002061 | -0.02545 |
| Prm2 | -0.03971 | 0.10509 | -0.005333 | 0.0008230 |
| Prm3 | 0.0002061 | -0.005333 | 0.02360 | -0.004362 |
| Prm4 | -0.02545 | 0.0008230 | -0.004362 | 0.02304 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3205 | 0.2625 | -3.8350 | -2.8060 | 160.01 | <.0001 |
| A | 1 | -0.1525 | 0.3242 | -0.7879 | 0.4829 | 0.22 | 0.6380 |
| M_cont | 1 | 0.2139 | 0.1536 | -0.0871 | 0.5150 | 1.94 | 0.1637 |
| C | 1 | 0.0970 | 0.1518 | -0.2005 | 0.3945 | 0.41 | 0.5228 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02655 | -0.21120 | 0.18343 | 0.17163 |
| 2 | 1.02655 | 0.00273 | -0.00178 | -0.00096 |
| 3 | 1.02655 | -0.00178 | 0.00436 | -0.00001 |
| 4 | 1.02655 | -0.00096 | -0.00001 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA191 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 28 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 28 |
| 2 | 0 | 972 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -127.0122 | |
| Full Log Likelihood | | -127.0122 | |
| AIC (smaller is better) | | 262.0243 | |
| AICC (smaller is better) | | 262.0645 | |
| BIC (smaller is better) | | 281.6553 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08397 | -0.05464 | -0.003112 | -0.03169 |
| Prm2 | -0.05464 | 0.15223 | -0.005284 | 0.001989 |
| Prm3 | -0.003112 | -0.005284 | 0.03453 | -0.003463 |
| Prm4 | -0.03169 | 0.001989 | -0.003463 | 0.03456 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3734 | 0.2898 | -3.9414 | -2.8055 | 135.53 | <.0001 |
| A | 1 | -0.3270 | 0.3902 | -1.0917 | 0.4377 | 0.70 | 0.4019 |
| M_cont | 1 | 0.1409 | 0.1858 | -0.2233 | 0.5052 | 0.58 | 0.4481 |
| C | 1 | -0.1015 | 0.1859 | -0.4658 | 0.2629 | 0.30 | 0.5853 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00423 | -0.052900 | 0.13932 | 0.10243 |
| 2 | 1.00423 | 0.002852 | -0.00184 | -0.00105 |
| 3 | 1.00423 | -0.001844 | 0.00412 | 0.00007 |
| 4 | 1.00423 | -0.001045 | 0.00007 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA192 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 26 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 26 |
| 2 | 0 | 974 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -119.6073 | |
| Full Log Likelihood | | -119.6073 | |
| AIC (smaller is better) | | 247.2145 | |
| AICC (smaller is better) | | 247.2547 | |
| BIC (smaller is better) | | 266.8455 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08686 | -0.05538 | -0.003063 | -0.03157 |
| Prm2 | -0.05538 | 0.16641 | -0.005076 | -0.000598 |
| Prm3 | -0.003063 | -0.005076 | 0.03307 | -0.004403 |
| Prm4 | -0.03157 | -0.000598 | -0.004403 | 0.03518 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4856 | 0.2947 | -4.0633 | -2.9080 | 139.87 | <.0001 |
| A | 1 | -0.3205 | 0.4079 | -1.1200 | 0.4791 | 0.62 | 0.4321 |
| M_cont | 1 | 0.2070 | 0.1819 | -0.1495 | 0.5634 | 1.30 | 0.2551 |
| C | 1 | -0.0772 | 0.1876 | -0.4448 | 0.2905 | 0.17 | 0.6808 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05506 | -0.14272 | 0.13210 | 0.13759 |
| 2 | 1.05506 | 0.00293 | -0.00186 | -0.00105 |
| 3 | 1.05506 | -0.00186 | 0.00459 | -0.00004 |
| 4 | 1.05506 | -0.00105 | -0.00004 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA193 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 34 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 34 |
| 2 | 0 | 966 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -147.4285 | |
| Full Log Likelihood | | -147.4285 | |
| AIC (smaller is better) | | 302.8570 | |
| AICC (smaller is better) | | 302.8972 | |
| BIC (smaller is better) | | 322.4880 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.09420 | -0.05470 | 0.004089 | -0.03378 |
| Prm2 | -0.05470 | 0.11443 | -0.004173 | 0.0008758 |
| Prm3 | 0.004089 | -0.004173 | 0.02613 | -0.003944 |
| Prm4 | -0.03378 | 0.0008758 | -0.003944 | 0.02822 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.6919 | 0.3069 | -4.2935 | -3.0904 | 144.69 | <.0001 |
| A | 1 | 0.2039 | 0.3383 | -0.4591 | 0.8669 | 0.36 | 0.5467 |
| M_cont | 1 | 0.0246 | 0.1616 | -0.2922 | 0.3414 | 0.02 | 0.8790 |
| C | 1 | 0.2013 | 0.1680 | -0.1279 | 0.5306 | 1.44 | 0.2307 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04183 | -0.18886 | 0.20223 | 0.13831 |
| 2 | 1.04183 | 0.00293 | -0.00192 | -0.00106 |
| 3 | 1.04183 | -0.00192 | 0.00446 | 0.00004 |
| 4 | 1.04183 | -0.00106 | 0.00004 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA194 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 34 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 34 |
| 2 | 0 | 966 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -147.2528 | |
| Full Log Likelihood | | -147.2528 | |
| AIC (smaller is better) | | 302.5055 | |
| AICC (smaller is better) | | 302.5457 | |
| BIC (smaller is better) | | 322.1366 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.08514 | -0.04642 | 0.003383 | -0.03416 |
| Prm2 | -0.04642 | 0.12108 | -0.004452 | 0.001202 |
| Prm3 | 0.003383 | -0.004452 | 0.02546 | -0.006312 |
| Prm4 | -0.03416 | 0.001202 | -0.006312 | 0.03005 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3630 | 0.2918 | -3.9349 | -2.7911 | 132.84 | <.0001 |
| A | 1 | -0.3053 | 0.3480 | -0.9873 | 0.3767 | 0.77 | 0.3802 |
| M_cont | 1 | 0.1680 | 0.1596 | -0.1448 | 0.4807 | 1.11 | 0.2925 |
| C | 1 | 0.0810 | 0.1733 | -0.2588 | 0.4207 | 0.22 | 0.6405 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05253 | -0.29952 | 0.16761 | 0.22553 |
| 2 | 1.05253 | 0.00323 | -0.00198 | -0.00118 |
| 3 | 1.05253 | -0.00198 | 0.00448 | -0.00003 |
| 4 | 1.05253 | -0.00118 | -0.00003 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA195 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 31 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 31 |
| 2 | 0 | 969 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -134.0631 | |
| Full Log Likelihood | | -134.0631 | |
| AIC (smaller is better) | | 276.1261 | |
| AICC (smaller is better) | | 276.1663 | |
| BIC (smaller is better) | | 295.7571 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07334 | -0.04322 | -0.000760 | -0.03096 |
| Prm2 | -0.04322 | 0.20385 | -0.004322 | 0.005109 |
| Prm3 | -0.000760 | -0.004322 | 0.02971 | -0.004086 |
| Prm4 | -0.03096 | 0.005109 | -0.004086 | 0.02806 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1703 | 0.2708 | -3.7011 | -2.6395 | 137.04 | <.0001 |
| A | 1 | -1.1327 | 0.4515 | -2.0176 | -0.2477 | 6.29 | 0.0121 |
| M_cont | 1 | 0.1337 | 0.1724 | -0.2041 | 0.4715 | 0.60 | 0.4379 |
| C | 1 | 0.0171 | 0.1675 | -0.3112 | 0.3454 | 0.01 | 0.9188 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04522 | -0.12556 | 0.12281 | 0.14670 |
| 2 | 1.04522 | 0.00312 | -0.00208 | -0.00112 |
| 3 | 1.04522 | -0.00208 | 0.00450 | 0.00017 |
| 4 | 1.04522 | -0.00112 | 0.00017 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA196 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 34 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 34 |
| 2 | 0 | 966 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -143.9061 | |
| Full Log Likelihood | | -143.9061 | |
| AIC (smaller is better) | | 295.8123 | |
| AICC (smaller is better) | | 295.8525 | |
| BIC (smaller is better) | | 315.4433 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07725 | -0.03999 | 0.005139 | -0.03330 |
| Prm2 | -0.03999 | 0.16060 | -0.005529 | 0.002914 |
| Prm3 | 0.005139 | -0.005529 | 0.02634 | -0.004626 |
| Prm4 | -0.03330 | 0.002914 | -0.004626 | 0.02723 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2032 | 0.2779 | -3.7480 | -2.6584 | 132.82 | <.0001 |
| A | 1 | -1.0305 | 0.4007 | -1.8159 | -0.2450 | 6.61 | 0.0101 |
| M_cont | 1 | 0.0664 | 0.1623 | -0.2518 | 0.3845 | 0.17 | 0.6826 |
| C | 1 | 0.1561 | 0.1650 | -0.1673 | 0.4795 | 0.90 | 0.3441 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03479 | -0.24444 | 0.20302 | 0.15653 |
| 2 | 1.03479 | 0.00311 | -0.00204 | -0.00108 |
| 3 | 1.03479 | -0.00204 | 0.00431 | 0.00004 |
| 4 | 1.03479 | -0.00108 | 0.00004 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA197 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 46 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 46 |
| 2 | 0 | 954 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -183.9709 | |
| Full Log Likelihood | | -183.9709 | |
| AIC (smaller is better) | | 375.9418 | |
| AICC (smaller is better) | | 375.9820 | |
| BIC (smaller is better) | | 395.5728 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05565 | -0.02887 | -0.000123 | -0.02218 |
| Prm2 | -0.02887 | 0.09555 | -0.003828 | -0.000788 |
| Prm3 | -0.000123 | -0.003828 | 0.01768 | -0.002324 |
| Prm4 | -0.02218 | -0.000788 | -0.002324 | 0.01979 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0308 | 0.2359 | -3.4932 | -2.5685 | 165.08 | <.0001 |
| A | 1 | -0.5332 | 0.3091 | -1.1391 | 0.0726 | 2.98 | 0.0845 |
| M_cont | 1 | 0.1644 | 0.1330 | -0.0962 | 0.4251 | 1.53 | 0.2163 |
| C | 1 | 0.1245 | 0.1407 | -0.1513 | 0.4002 | 0.78 | 0.3763 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07756 | -0.16509 | 0.23456 | 0.097790 |
| 2 | 1.07756 | 0.00314 | -0.00201 | -0.001082 |
| 3 | 1.07756 | -0.00201 | 0.00472 | -0.000068 |
| 4 | 1.07756 | -0.00108 | -0.00007 | 0.001099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA198 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 39 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 39 |
| 2 | 0 | 961 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -160.6407 | |
| Full Log Likelihood | | -160.6407 | |
| AIC (smaller is better) | | 329.2813 | |
| AICC (smaller is better) | | 329.3215 | |
| BIC (smaller is better) | | 348.9123 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07317 | -0.03425 | -0.003724 | -0.02780 |
| Prm2 | -0.03425 | 0.11681 | -0.005874 | 0.001021 |
| Prm3 | -0.003724 | -0.005874 | 0.02248 | -0.003517 |
| Prm4 | -0.02780 | 0.001021 | -0.003517 | 0.02205 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.4047 | 0.2705 | -3.9348 | -2.8745 | 158.43 | <.0001 |
| A | 1 | -0.4521 | 0.3418 | -1.1220 | 0.2177 | 1.75 | 0.1859 |
| M_cont | 1 | 0.3025 | 0.1499 | 0.0086 | 0.5964 | 4.07 | 0.0436 |
| C | 1 | 0.2066 | 0.1485 | -0.0844 | 0.4977 | 1.94 | 0.1640 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02450 | -0.094876 | 0.11067 | 0.13697 |
| 2 | 1.02450 | 0.002762 | -0.00177 | -0.00098 |
| 3 | 1.02450 | -0.001769 | 0.00438 | 0.00002 |
| 4 | 1.02450 | -0.000984 | 0.00002 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA199 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 42 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 42 |
| 2 | 0 | 958 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -172.1504 | |
| Full Log Likelihood | | -172.1504 | |
| AIC (smaller is better) | | 352.3007 | |
| AICC (smaller is better) | | 352.3409 | |
| BIC (smaller is better) | | 371.9317 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.05118 | -0.02970 | 0.002603 | -0.02134 |
| Prm2 | -0.02970 | 0.11950 | -0.002861 | -0.000865 |
| Prm3 | 0.002603 | -0.002861 | 0.02080 | -0.002860 |
| Prm4 | -0.02134 | -0.000865 | -0.002860 | 0.02210 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9546 | 0.2262 | -3.3980 | -2.5112 | 170.58 | <.0001 |
| A | 1 | -0.6716 | 0.3457 | -1.3491 | 0.0060 | 3.77 | 0.0521 |
| M_cont | 1 | -0.0075 | 0.1442 | -0.2902 | 0.2752 | 0.00 | 0.9586 |
| C | 1 | 0.0089 | 0.1487 | -0.2825 | 0.3003 | 0.00 | 0.9523 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06408 | -0.13924 | 0.16506 | 0.14922 |
| 2 | 1.06408 | 0.00294 | -0.00188 | -0.00106 |
| 3 | 1.06408 | -0.00188 | 0.00468 | -0.00004 |
| 4 | 1.06408 | -0.00106 | -0.00004 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1100 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |
| Number of Events | 34 |
| Number of Trials | 1000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 34 |
| 2 | 0 | 966 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -147.1825 | |
| Full Log Likelihood | | -147.1825 | |
| AIC (smaller is better) | | 302.3650 | |
| AICC (smaller is better) | | 302.4052 | |
| BIC (smaller is better) | | 321.9961 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.07597 | -0.04043 | 0.001273 | -0.03097 |
| Prm2 | -0.04043 | 0.13850 | -0.005422 | 0.001049 |
| Prm3 | 0.001273 | -0.005422 | 0.02375 | -0.004050 |
| Prm4 | -0.03097 | 0.001049 | -0.004050 | 0.02703 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3546 | 0.2756 | -3.8948 | -2.8144 | 148.13 | <.0001 |
| A | 1 | -0.4203 | 0.3722 | -1.1497 | 0.3091 | 1.28 | 0.2588 |
| M_cont | 1 | 0.1363 | 0.1541 | -0.1658 | 0.4384 | 0.78 | 0.3764 |
| C | 1 | 0.0886 | 0.1644 | -0.2336 | 0.4108 | 0.29 | 0.5899 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08393 | -0.18476 | 0.20427 | 0.14459 |
| 2 | 1.08393 | 0.00311 | -0.00191 | -0.00116 |
| 3 | 1.08393 | -0.00191 | 0.00498 | 0.00001 |
| 4 | 1.08393 | -0.00116 | 0.00001 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Distribution | Binomial |
| Link Function | Log |
| Dependent Variable | Y_bin_noint |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |
| Number of Events | 3534 |
| Number of Trials | 100000 |

| Response Profile | | |
|---|---|---|
| Ordered Value | Y_bin_noint | Total Frequency |
| 1 | 1 | 3534 |
| 2 | 0 | 96466 |

PROC GENMOD is modeling the probability that Y_bin_noint='1'.

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Log Likelihood | | -15121.5850 | |
| Full Log Likelihood | | -15121.5850 | |
| AIC (smaller is better) | | 30251.1700 | |
| AICC (smaller is better) | | 30251.1704 | |
| BIC (smaller is better) | | 30289.2217 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007745 | -0.000413 | 0.0000133 | -0.000310 |
| Prm2 | -0.000413 | 0.001256 | -0.000046 | 0.0000165 |
| Prm3 | 0.0000133 | -0.000046 | 0.0002477 | -0.000046 |
| Prm4 | -0.000310 | 0.0000165 | -0.000046 | 0.0002615 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.3499 | 0.0278 | -3.4044 | -3.2953 | 14489.1 | <.0001 |
| A | 1 | -0.4487 | 0.0354 | -0.5181 | -0.3792 | 160.33 | <.0001 |
| M_cont | 1 | 0.1281 | 0.0157 | 0.0973 | 0.1590 | 66.28 | <.0001 |
| C | 1 | 0.1410 | 0.0162 | 0.1093 | 0.1727 | 75.99 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3703.74766 | 1851.87383 | 1684.90 | <.0001 |
| Error | 99997 | 109906 | 1.09910 | | |
| Corrected Total | 99999 | 113610 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04838 | R-Square | 0.0326 |
| Dependent Mean | 0.06977 | Adj R-Sq | 0.0326 |
| Coeff Var | 1502.68413 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17733 | 0.00550 | -32.26 | <.0001 |
| A | 1 | 0.17740 | 0.00671 | 26.45 | <.0001 |
| C | 1 | 0.16801 | 0.00324 | 51.87 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04838 | -0.17733 | 0.17740 | 0.16801 |
| 2 | 1.04838 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.04838 | -0.00002 | 0.00004 | 0.00000 |
| 4 | 1.04838 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.68597 | 0.25674 | 0.27552 | 1.22617 |
| 2 | nie | 1.02079 | 0.02636 | 0.96919 | 1.07432 |
| 3 | total effect | 0.70050 | 0.26431 | 0.28548 | 1.24744 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA11 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1113.1999 | 1.1177 |
| Scaled Deviance | 996 | 1113.1999 | 1.1177 |
| Pearson Chi-Square | 996 | 1053.8558 | 1.0581 |
| Scaled Pearson X2 | 996 | 1053.8558 | 1.0581 |
| Log Likelihood | | 423.8876 | |
| Full Log Likelihood | | -1963.9755 | |
| AIC (smaller is better) | | 3935.9510 | |
| AICC (smaller is better) | | 3935.9912 | |
| BIC (smaller is better) | | 3955.5820 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008457 | -0.000532 | 0.0000678 | -0.000312 |
| Prm2 | -0.000532 | 0.001347 | -0.000034 | -1.511E-6 |
| Prm3 | 0.0000678 | -0.000034 | 0.0002686 | -0.000058 |
| Prm4 | -0.000312 | -1.511E-6 | -0.000058 | 0.0003114 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1909 | 0.0291 | 1.1339 | 1.2479 | 1677.05 | <.0001 |
| A | 1 | -0.0470 | 0.0367 | -0.1190 | 0.0249 | 1.64 | 0.2003 |
| M_cont | 1 | 0.0028 | 0.0164 | -0.0293 | 0.0349 | 0.03 | 0.8651 |
| C | 1 | -0.0358 | 0.0176 | -0.0704 | -0.0013 | 4.12 | 0.0423 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09827 | -0.26012 | 0.12690 | 0.21892 |
| 2 | 1.09827 | 0.00323 | -0.00200 | -0.00116 |
| 3 | 1.09827 | -0.00200 | 0.00499 | -0.00003 |
| 4 | 1.09827 | -0.00116 | -0.00003 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA12 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1013.5816 | 1.0177 |
| Scaled Deviance | 996 | 1013.5816 | 1.0177 |
| Pearson Chi-Square | 996 | 958.8127 | 0.9627 |
| Scaled Pearson X2 | 996 | 958.8127 | 0.9627 |
| Log Likelihood | | 378.5572 | |
| Full Log Likelihood | | -1917.5146 | |
| AIC (smaller is better) | | 3843.0292 | |
| AICC (smaller is better) | | 3843.0694 | |
| BIC (smaller is better) | | 3862.6603 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008455 | -0.000541 | 0.0000623 | -0.000315 |
| Prm2 | -0.000541 | 0.001365 | -0.000049 | -6.607E-6 |
| Prm3 | 0.0000623 | -0.000049 | 0.0003148 | -0.000047 |
| Prm4 | -0.000315 | -6.607E-6 | -0.000047 | 0.0003299 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2094 | 0.0291 | 1.1524 | 1.2664 | 1729.81 | <.0001 |
| A | 1 | -0.0880 | 0.0369 | -0.1604 | -0.0156 | 5.67 | 0.0172 |
| M_cont | 1 | 0.0020 | 0.0177 | -0.0328 | 0.0368 | 0.01 | 0.9099 |
| C | 1 | -0.0526 | 0.0182 | -0.0882 | -0.0171 | 8.40 | 0.0037 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02233 | -0.20346 | 0.15228 | 0.15288 |
| 2 | 1.02233 | 0.00284 | -0.00177 | -0.00103 |
| 3 | 1.02233 | -0.00177 | 0.00428 | -0.00004 |
| 4 | 1.02233 | -0.00103 | -0.00004 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA13 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1073.0040 | 1.0773 |
| Scaled Deviance | 996 | 1073.0040 | 1.0773 |
| Pearson Chi-Square | 996 | 995.8947 | 0.9999 |
| Scaled Pearson X2 | 996 | 995.8947 | 0.9999 |
| Log Likelihood | | 267.4258 | |
| Full Log Likelihood | | -1919.4681 | |
| AIC (smaller is better) | | 3846.9362 | |
| AICC (smaller is better) | | 3846.9764 | |
| BIC (smaller is better) | | 3866.5672 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009088 | -0.000583 | 0.0000335 | -0.000341 |
| Prm2 | -0.000583 | 0.001401 | -0.000057 | 0.0000146 |
| Prm3 | 0.0000335 | -0.000057 | 0.0003226 | -0.000050 |
| Prm4 | -0.000341 | 0.0000146 | -0.000050 | 0.0003456 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1294 | 0.0301 | 1.0704 | 1.1885 | 1403.60 | <.0001 |
| A | 1 | -0.0060 | 0.0374 | -0.0794 | 0.0673 | 0.03 | 0.8720 |
| M_cont | 1 | 0.0294 | 0.0180 | -0.0058 | 0.0646 | 2.68 | 0.1017 |
| C | 1 | -0.0411 | 0.0186 | -0.0775 | -0.0047 | 4.89 | 0.0271 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02112 | -0.13446 | 0.17425 | 0.15766 |
| 2 | 1.02112 | 0.00289 | -0.00180 | -0.00108 |
| 3 | 1.02112 | -0.00180 | 0.00431 | 0.00003 |
| 4 | 1.02112 | -0.00108 | 0.00003 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA14 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.1949 | 1.0624 |
| Scaled Deviance | 996 | 1058.1949 | 1.0624 |
| Pearson Chi-Square | 996 | 985.6876 | 0.9896 |
| Scaled Pearson X2 | 996 | 985.6876 | 0.9896 |
| Log Likelihood | | 421.4519 | |
| Full Log Likelihood | | -1936.0441 | |
| AIC (smaller is better) | | 3880.0881 | |
| AICC (smaller is better) | | 3880.1283 | |
| BIC (smaller is better) | | 3899.7192 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008046 | -0.000534 | 0.0000473 | -0.000270 |
| Prm2 | -0.000534 | 0.001340 | -0.000071 | -0.000043 |
| Prm3 | 0.0000473 | -0.000071 | 0.0002929 | -0.000016 |
| Prm4 | -0.000270 | -0.000043 | -0.000016 | 0.0003057 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1944 | 0.0284 | 1.1388 | 1.2500 | 1772.96 | <.0001 |
| A | 1 | -0.0016 | 0.0366 | -0.0733 | 0.0702 | 0.00 | 0.9657 |
| M_cont | 1 | -0.0397 | 0.0171 | -0.0733 | -0.0062 | 5.39 | 0.0203 |
| C | 1 | -0.0619 | 0.0175 | -0.0961 | -0.0276 | 12.51 | 0.0004 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05097 | -0.12753 | 0.25315 | 0.059282 |
| 2 | 1.05097 | 0.00289 | -0.00180 | -0.000997 |
| 3 | 1.05097 | -0.00180 | 0.00452 | -0.000156 |
| 4 | 1.05097 | -0.00100 | -0.00016 | 0.001054 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA15 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1081.1974 | 1.0855 |
| Scaled Deviance | 996 | 1081.1974 | 1.0855 |
| Pearson Chi-Square | 996 | 1048.4899 | 1.0527 |
| Scaled Pearson X2 | 996 | 1048.4899 | 1.0527 |
| Log Likelihood | | 397.8868 | |
| Full Log Likelihood | | -1949.6376 | |
| AIC (smaller is better) | | 3907.2752 | |
| AICC (smaller is better) | | 3907.3154 | |
| BIC (smaller is better) | | 3926.9062 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008781 | -0.000604 | 0.0000766 | -0.000327 |
| Prm2 | -0.000604 | 0.001364 | -0.000069 | 0.0000542 |
| Prm3 | 0.0000766 | -0.000069 | 0.0003073 | -0.000063 |
| Prm4 | -0.000327 | 0.0000542 | -0.000063 | 0.0003240 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2195 | 0.0296 | 1.1614 | 1.2776 | 1693.65 | <.0001 |
| A | 1 | -0.0924 | 0.0369 | -0.1648 | -0.0201 | 6.27 | 0.0123 |
| M_cont | 1 | 0.0171 | 0.0175 | -0.0173 | 0.0514 | 0.95 | 0.3306 |
| C | 1 | -0.0564 | 0.0180 | -0.0917 | -0.0211 | 9.81 | 0.0017 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03210 | -0.26196 | 0.21699 | 0.20286 |
| 2 | 1.03210 | 0.00300 | -0.00200 | -0.00108 |
| 3 | 1.03210 | -0.00200 | 0.00437 | 0.00014 |
| 4 | 1.03210 | -0.00108 | 0.00014 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA16 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1037.3168 | 1.0415 |
| Scaled Deviance | 996 | 1037.3168 | 1.0415 |
| Pearson Chi-Square | 996 | 961.7212 | 0.9656 |
| Scaled Pearson X2 | 996 | 961.7212 | 0.9656 |
| Log Likelihood | | 475.7784 | |
| Full Log Likelihood | | -1940.1722 | |
| AIC (smaller is better) | | 3888.3443 | |
| AICC (smaller is better) | | 3888.3845 | |
| BIC (smaller is better) | | 3907.9754 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008812 | -0.000583 | 0.0000466 | -0.000317 |
| Prm2 | -0.000583 | 0.001314 | -0.000031 | 0.0000396 |
| Prm3 | 0.0000466 | -0.000031 | 0.0002865 | -0.000042 |
| Prm4 | -0.000317 | 0.0000396 | -0.000042 | 0.0002953 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1878 | 0.0297 | 1.1296 | 1.2460 | 1601.09 | <.0001 |
| A | 1 | 0.0065 | 0.0362 | -0.0646 | 0.0775 | 0.03 | 0.8582 |
| M_cont | 1 | -0.0170 | 0.0169 | -0.0502 | 0.0162 | 1.01 | 0.3152 |
| C | 1 | -0.0383 | 0.0172 | -0.0719 | -0.0046 | 4.96 | 0.0259 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05480 | -0.14269 | 0.10531 | 0.14849 |
| 2 | 1.05480 | 0.00317 | -0.00204 | -0.00114 |
| 3 | 1.05480 | -0.00204 | 0.00461 | 0.00013 |
| 4 | 1.05480 | -0.00114 | 0.00013 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA17 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1055.1782 | 1.0594 |
| Scaled Deviance | 996 | 1055.1782 | 1.0594 |
| Pearson Chi-Square | 996 | 993.7296 | 0.9977 |
| Scaled Pearson X2 | 996 | 993.7296 | 0.9977 |
| Log Likelihood | | 441.3773 | |
| Full Log Likelihood | | -1942.5049 | |
| AIC (smaller is better) | | 3893.0098 | |
| AICC (smaller is better) | | 3893.0500 | |
| BIC (smaller is better) | | 3912.6408 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008503 | -0.000568 | 0.0000519 | -0.000301 |
| Prm2 | -0.000568 | 0.001338 | -0.000063 | 0.0000242 |
| Prm3 | 0.0000519 | -0.000063 | 0.0002817 | -0.000040 |
| Prm4 | -0.000301 | 0.0000242 | -0.000040 | 0.0002940 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1996 | 0.0292 | 1.1425 | 1.2568 | 1692.37 | <.0001 |
| A | 1 | -0.0231 | 0.0366 | -0.0948 | 0.0486 | 0.40 | 0.5273 |
| M_cont | 1 | -0.0058 | 0.0168 | -0.0387 | 0.0271 | 0.12 | 0.7285 |
| C | 1 | -0.0488 | 0.0171 | -0.0824 | -0.0152 | 8.09 | 0.0045 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06942 | -0.17596 | 0.21895 | 0.14337 |
| 2 | 1.06942 | 0.00316 | -0.00203 | -0.00111 |
| 3 | 1.06942 | -0.00203 | 0.00472 | 0.00007 |
| 4 | 1.06942 | -0.00111 | 0.00007 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA18 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1037.8590 | 1.0420 |
| Scaled Deviance | 996 | 1037.8590 | 1.0420 |
| Pearson Chi-Square | 996 | 978.8661 | 0.9828 |
| Scaled Pearson X2 | 996 | 978.8661 | 0.9828 |
| Log Likelihood | | 450.1943 | |
| Full Log Likelihood | | -1938.4529 | |
| AIC (smaller is better) | | 3884.9059 | |
| AICC (smaller is better) | | 3884.9461 | |
| BIC (smaller is better) | | 3904.5369 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009335 | -0.000593 | 0.0000441 | -0.000347 |
| Prm2 | -0.000593 | 0.001314 | -0.000025 | 0.0000384 |
| Prm3 | 0.0000441 | -0.000025 | 0.0002829 | -0.000052 |
| Prm4 | -0.000347 | 0.0000384 | -0.000052 | 0.0003151 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1908 | 0.0306 | 1.1309 | 1.2507 | 1518.99 | <.0001 |
| A | 1 | -0.0493 | 0.0362 | -0.1204 | 0.0217 | 1.85 | 0.1734 |
| M_cont | 1 | -0.0036 | 0.0168 | -0.0366 | 0.0293 | 0.05 | 0.8285 |
| C | 1 | -0.0246 | 0.0178 | -0.0594 | 0.0102 | 1.92 | 0.1654 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06513 | -0.15345 | 0.085759 | 0.18659 |
| 2 | 1.06513 | 0.00341 | -0.002147 | -0.00124 |
| 3 | 1.06513 | -0.00215 | 0.004636 | 0.00013 |
| 4 | 1.06513 | -0.00124 | 0.000128 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA19 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1061.6354 | 1.0659 |
| Scaled Deviance | 996 | 1061.6354 | 1.0659 |
| Pearson Chi-Square | 996 | 984.9307 | 0.9889 |
| Scaled Pearson X2 | 996 | 984.9307 | 0.9889 |
| Log Likelihood | | 438.2543 | |
| Full Log Likelihood | | -1942.1372 | |
| AIC (smaller is better) | | 3892.2744 | |
| AICC (smaller is better) | | 3892.3146 | |
| BIC (smaller is better) | | 3911.9055 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008959 | -0.000608 | 0.0000393 | -0.000308 |
| Prm2 | -0.000608 | 0.001297 | -0.000046 | 0.0000157 |
| Prm3 | 0.0000393 | -0.000046 | 0.0002804 | -0.000043 |
| Prm4 | -0.000308 | 0.0000157 | -0.000043 | 0.0003139 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1743 | 0.0299 | 1.1156 | 1.2329 | 1539.22 | <.0001 |
| A | 1 | 0.0445 | 0.0360 | -0.0261 | 0.1151 | 1.53 | 0.2164 |
| M_cont | 1 | 0.0052 | 0.0167 | -0.0276 | 0.0380 | 0.10 | 0.7566 |
| C | 1 | -0.0564 | 0.0177 | -0.0912 | -0.0217 | 10.15 | 0.0014 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07254 | -0.14221 | 0.15742 | 0.15182 |
| 2 | 1.07254 | 0.00328 | -0.00212 | -0.00115 |
| 3 | 1.07254 | -0.00212 | 0.00465 | 0.00003 |
| 4 | 1.07254 | -0.00115 | 0.00003 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA110 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1131.7401 | 1.1363 |
| Scaled Deviance | 996 | 1131.7401 | 1.1363 |
| Pearson Chi-Square | 996 | 1033.4584 | 1.0376 |
| Scaled Pearson X2 | 996 | 1033.4584 | 1.0376 |
| Log Likelihood | | 394.6346 | |
| Full Log Likelihood | | -1958.4837 | |
| AIC (smaller is better) | | 3924.9674 | |
| AICC (smaller is better) | | 3925.0076 | |
| BIC (smaller is better) | | 3944.5984 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008614 | -0.000589 | 0.0000224 | -0.000295 |
| Prm2 | -0.000589 | 0.001330 | -0.000048 | 0.0000211 |
| Prm3 | 0.0000224 | -0.000048 | 0.0002867 | -0.000049 |
| Prm4 | -0.000295 | 0.0000211 | -0.000049 | 0.0003026 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1878 | 0.0293 | 1.1303 | 1.2453 | 1637.89 | <.0001 |
| A | 1 | 0.0069 | 0.0365 | -0.0646 | 0.0784 | 0.04 | 0.8503 |
| M_cont | 1 | 0.0159 | 0.0169 | -0.0173 | 0.0491 | 0.88 | 0.3473 |
| C | 1 | -0.0674 | 0.0174 | -0.1015 | -0.0333 | 15.00 | 0.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06769 | -0.099824 | 0.16491 | 0.17547 |
| 2 | 1.06769 | 0.003176 | -0.00207 | -0.00110 |
| 3 | 1.06769 | -0.002066 | 0.00465 | 0.00006 |
| 4 | 1.06769 | -0.001103 | 0.00006 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA111 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 977.7805 | 0.9817 |
| Scaled Deviance | 996 | 977.7805 | 0.9817 |
| Pearson Chi-Square | 996 | 908.2511 | 0.9119 |
| Scaled Pearson X2 | 996 | 908.2511 | 0.9119 |
| Log Likelihood | | 437.3160 | |
| Full Log Likelihood | | -1909.5661 | |
| AIC (smaller is better) | | 3827.1321 | |
| AICC (smaller is better) | | 3827.1723 | |
| BIC (smaller is better) | | 3846.7631 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008755 | -0.000540 | 0.0000397 | -0.000338 |
| Prm2 | -0.000540 | 0.001344 | -0.000033 | 0.0000119 |
| Prm3 | 0.0000397 | -0.000033 | 0.0002872 | -0.000057 |
| Prm4 | -0.000338 | 0.0000119 | -0.000057 | 0.0003308 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2109 | 0.0296 | 1.1529 | 1.2689 | 1674.90 | <.0001 |
| A | 1 | -0.0561 | 0.0367 | -0.1279 | 0.0158 | 2.34 | 0.1261 |
| M_cont | 1 | 0.0198 | 0.0169 | -0.0134 | 0.0530 | 1.36 | 0.2431 |
| C | 1 | -0.0496 | 0.0182 | -0.0852 | -0.0140 | 7.44 | 0.0064 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06182 | -0.15927 | 0.10910 | 0.19937 |
| 2 | 1.06182 | 0.00321 | -0.00193 | -0.00121 |
| 3 | 1.06182 | -0.00193 | 0.00467 | 0.00002 |
| 4 | 1.06182 | -0.00121 | 0.00002 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA112 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1029.3785 | 1.0335 |
| Scaled Deviance | 996 | 1029.3785 | 1.0335 |
| Pearson Chi-Square | 996 | 990.9162 | 0.9949 |
| Scaled Pearson X2 | 996 | 990.9162 | 0.9949 |
| Log Likelihood | | 447.9074 | |
| Full Log Likelihood | | -1936.7440 | |
| AIC (smaller is better) | | 3881.4879 | |
| AICC (smaller is better) | | 3881.5281 | |
| BIC (smaller is better) | | 3901.1189 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008519 | -0.000551 | 0.0000750 | -0.000320 |
| Prm2 | -0.000551 | 0.001342 | -0.000062 | 0.0000144 |
| Prm3 | 0.0000750 | -0.000062 | 0.0002956 | -0.000058 |
| Prm4 | -0.000320 | 0.0000144 | -0.000058 | 0.0003216 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2098 | 0.0292 | 1.1526 | 1.2671 | 1718.21 | <.0001 |
| A | 1 | -0.0689 | 0.0366 | -0.1407 | 0.0029 | 3.54 | 0.0599 |
| M_cont | 1 | 0.0111 | 0.0172 | -0.0226 | 0.0448 | 0.42 | 0.5176 |
| C | 1 | -0.0402 | 0.0179 | -0.0754 | -0.0051 | 5.04 | 0.0248 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04220 | -0.26816 | 0.20805 | 0.20030 |
| 2 | 1.04220 | 0.00298 | -0.00188 | -0.00109 |
| 3 | 1.04220 | -0.00188 | 0.00447 | 0.00002 |
| 4 | 1.04220 | -0.00109 | 0.00002 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA113 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1035.8366 | 1.0400 |
| Scaled Deviance | 996 | 1035.8366 | 1.0400 |
| Pearson Chi-Square | 996 | 973.3953 | 0.9773 |
| Scaled Pearson X2 | 996 | 973.3953 | 0.9773 |
| Log Likelihood | | 427.6287 | |
| Full Log Likelihood | | -1932.2954 | |
| AIC (smaller is better) | | 3872.5909 | |
| AICC (smaller is better) | | 3872.6311 | |
| BIC (smaller is better) | | 3892.2219 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008243 | -0.000515 | 0.0000383 | -0.000309 |
| Prm2 | -0.000515 | 0.001358 | -0.000067 | -0.000020 |
| Prm3 | 0.0000383 | -0.000067 | 0.0002856 | -0.000052 |
| Prm4 | -0.000309 | -0.000020 | -0.000052 | 0.0003315 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2183 | 0.0287 | 1.1621 | 1.2746 | 1800.66 | <.0001 |
| A | 1 | -0.1084 | 0.0369 | -0.1807 | -0.0362 | 8.66 | 0.0033 |
| M_cont | 1 | 0.0296 | 0.0169 | -0.0035 | 0.0627 | 3.06 | 0.0801 |
| C | 1 | -0.0424 | 0.0182 | -0.0781 | -0.0068 | 5.43 | 0.0198 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06277 | -0.17090 | 0.23735 | 0.18340 |
| 2 | 1.06277 | 0.00305 | -0.00186 | -0.00111 |
| 3 | 1.06277 | -0.00186 | 0.00463 | -0.00011 |
| 4 | 1.06277 | -0.00111 | -0.00011 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA114 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.4699 | 1.0708 |
| Scaled Deviance | 996 | 1066.4699 | 1.0708 |
| Pearson Chi-Square | 996 | 1005.5976 | 1.0096 |
| Scaled Pearson X2 | 996 | 1005.5976 | 1.0096 |
| Log Likelihood | | 455.7582 | |
| Full Log Likelihood | | -1948.2241 | |
| AIC (smaller is better) | | 3904.4482 | |
| AICC (smaller is better) | | 3904.4884 | |
| BIC (smaller is better) | | 3924.0792 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008454 | -0.000548 | 0.0000505 | -0.000325 |
| Prm2 | -0.000548 | 0.001337 | -0.000071 | 2.8356E-6 |
| Prm3 | 0.0000505 | -0.000071 | 0.0002879 | -0.000041 |
| Prm4 | -0.000325 | 2.8356E-6 | -0.000041 | 0.0003490 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2490 | 0.0291 | 1.1920 | 1.3059 | 1845.05 | <.0001 |
| A | 1 | -0.0881 | 0.0366 | -0.1597 | -0.0164 | 5.80 | 0.0160 |
| M_cont | 1 | -0.0064 | 0.0170 | -0.0397 | 0.0268 | 0.14 | 0.7057 |
| C | 1 | -0.0715 | 0.0187 | -0.1082 | -0.0349 | 14.67 | 0.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05572 | -0.16955 | 0.24809 | 0.14214 |
| 2 | 1.05572 | 0.00315 | -0.00194 | -0.00119 |
| 3 | 1.05572 | -0.00194 | 0.00454 | -0.00002 |
| 4 | 1.05572 | -0.00119 | -0.00002 | 0.00119 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA115 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1052.9376 | 1.0572 |
| Scaled Deviance | 996 | 1052.9376 | 1.0572 |
| Pearson Chi-Square | 996 | 994.1344 | 0.9981 |
| Scaled Pearson X2 | 996 | 994.1344 | 0.9981 |
| Log Likelihood | | 274.1320 | |
| Full Log Likelihood | | -1915.2270 | |
| AIC (smaller is better) | | 3838.4540 | |
| AICC (smaller is better) | | 3838.4942 | |
| BIC (smaller is better) | | 3858.0851 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009606 | -0.000584 | 0.0000450 | -0.000350 |
| Prm2 | -0.000584 | 0.001382 | -0.000032 | 6.1668E-6 |
| Prm3 | 0.0000450 | -0.000032 | 0.0003169 | -0.000061 |
| Prm4 | -0.000350 | 6.1668E-6 | -0.000061 | 0.0003227 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1406 | 0.0310 | 1.0798 | 1.2013 | 1354.19 | <.0001 |
| A | 1 | -0.0728 | 0.0372 | -0.1457 | 0.0000 | 3.84 | 0.0501 |
| M_cont | 1 | 0.0298 | 0.0178 | -0.0051 | 0.0647 | 2.80 | 0.0943 |
| C | 1 | -0.0193 | 0.0180 | -0.0545 | 0.0159 | 1.16 | 0.2820 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03307 | -0.17025 | 0.095392 | 0.19134 |
| 2 | 1.03307 | 0.00313 | -0.001898 | -0.00111 |
| 3 | 1.03307 | -0.00190 | 0.004338 | 0.00000 |
| 4 | 1.03307 | -0.00111 | 0.000002 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA116 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1078.1478 | 1.0825 |
| Scaled Deviance | 996 | 1078.1478 | 1.0825 |
| Pearson Chi-Square | 996 | 986.0466 | 0.9900 |
| Scaled Pearson X2 | 996 | 986.0466 | 0.9900 |
| Log Likelihood | | 363.6071 | |
| Full Log Likelihood | | -1932.4136 | |
| AIC (smaller is better) | | 3872.8272 | |
| AICC (smaller is better) | | 3872.8674 | |
| BIC (smaller is better) | | 3892.4583 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007838 | -0.000512 | 0.0000222 | -0.000273 |
| Prm2 | -0.000512 | 0.001401 | -0.000024 | -0.000012 |
| Prm3 | 0.0000222 | -0.000024 | 0.0002908 | -0.000045 |
| Prm4 | -0.000273 | -0.000012 | -0.000045 | 0.0002884 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2205 | 0.0280 | 1.1657 | 1.2754 | 1900.73 | <.0001 |
| A | 1 | -0.1186 | 0.0374 | -0.1919 | -0.0452 | 10.04 | 0.0015 |
| M_cont | 1 | 0.0075 | 0.0171 | -0.0259 | 0.0409 | 0.19 | 0.6607 |
| C | 1 | -0.0590 | 0.0170 | -0.0923 | -0.0257 | 12.07 | 0.0005 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06906 | -0.087180 | 0.078678 | 0.15635 |
| 2 | 1.06906 | 0.002962 | -0.001876 | -0.00101 |
| 3 | 1.06906 | -0.001876 | 0.004748 | -0.00004 |
| 4 | 1.06906 | -0.001015 | -0.000041 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA117 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1134.5982 | 1.1392 |
| Scaled Deviance | 996 | 1134.5982 | 1.1392 |
| Pearson Chi-Square | 996 | 1040.3608 | 1.0445 |
| Scaled Pearson X2 | 996 | 1040.3608 | 1.0445 |
| Log Likelihood | | 345.4210 | |
| Full Log Likelihood | | -1952.6173 | |
| AIC (smaller is better) | | 3913.2347 | |
| AICC (smaller is better) | | 3913.2749 | |
| BIC (smaller is better) | | 3932.8657 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008508 | -0.000553 | 0.0000599 | -0.000314 |
| Prm2 | -0.000553 | 0.001382 | -0.000048 | 8.1636E-6 |
| Prm3 | 0.0000599 | -0.000048 | 0.0003076 | -0.000064 |
| Prm4 | -0.000314 | 8.1636E-6 | -0.000064 | 0.0003235 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1936 | 0.0292 | 1.1364 | 1.2507 | 1674.51 | <.0001 |
| A | 1 | -0.0607 | 0.0372 | -0.1336 | 0.0122 | 2.67 | 0.1025 |
| M_cont | 1 | 0.0113 | 0.0175 | -0.0231 | 0.0457 | 0.42 | 0.5186 |
| C | 1 | -0.0580 | 0.0180 | -0.0933 | -0.0228 | 10.42 | 0.0012 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03690 | -0.20827 | 0.15553 | 0.20939 |
| 2 | 1.03690 | 0.00291 | -0.00184 | -0.00105 |
| 3 | 1.03690 | -0.00184 | 0.00444 | 0.00001 |
| 4 | 1.03690 | -0.00105 | 0.00001 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA118 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1110.5871 | 1.1150 |
| Scaled Deviance | 996 | 1110.5871 | 1.1150 |
| Pearson Chi-Square | 996 | 1038.3310 | 1.0425 |
| Scaled Pearson X2 | 996 | 1038.3310 | 1.0425 |
| Log Likelihood | | 461.7180 | |
| Full Log Likelihood | | -1963.9072 | |
| AIC (smaller is better) | | 3935.8144 | |
| AICC (smaller is better) | | 3935.8546 | |
| BIC (smaller is better) | | 3955.4454 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008346 | -0.000522 | 0.0000580 | -0.000307 |
| Prm2 | -0.000522 | 0.001328 | -0.000014 | -0.000011 |
| Prm3 | 0.0000580 | -0.000014 | 0.0002800 | -0.000049 |
| Prm4 | -0.000307 | -0.000011 | -0.000049 | 0.0003128 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2453 | 0.0289 | 1.1887 | 1.3019 | 1857.96 | <.0001 |
| A | 1 | -0.0779 | 0.0364 | -0.1494 | -0.0065 | 4.57 | 0.0324 |
| M_cont | 1 | -0.0163 | 0.0167 | -0.0491 | 0.0165 | 0.95 | 0.3307 |
| C | 1 | -0.0674 | 0.0177 | -0.1021 | -0.0328 | 14.53 | 0.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07169 | -0.19947 | 0.056490 | 0.18408 |
| 2 | 1.07169 | 0.00320 | -0.001938 | -0.00115 |
| 3 | 1.07169 | -0.00194 | 0.004713 | -0.00004 |
| 4 | 1.07169 | -0.00115 | -0.000043 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA119 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1057.2204 | 1.0615 |
| Scaled Deviance | 996 | 1057.2204 | 1.0615 |
| Pearson Chi-Square | 996 | 969.9996 | 0.9739 |
| Scaled Pearson X2 | 996 | 969.9996 | 0.9739 |
| Log Likelihood | | 446.3260 | |
| Full Log Likelihood | | -1939.4651 | |
| AIC (smaller is better) | | 3886.9302 | |
| AICC (smaller is better) | | 3886.9704 | |
| BIC (smaller is better) | | 3906.5612 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007899 | -0.000526 | 0.0000453 | -0.000284 |
| Prm2 | -0.000526 | 0.001341 | -0.000013 | -2.277E-6 |
| Prm3 | 0.0000453 | -0.000013 | 0.0002792 | -0.000045 |
| Prm4 | -0.000284 | -2.277E-6 | -0.000045 | 0.0003076 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2372 | 0.0281 | 1.1822 | 1.2923 | 1937.99 | <.0001 |
| A | 1 | -0.0903 | 0.0366 | -0.1621 | -0.0185 | 6.08 | 0.0137 |
| M_cont | 1 | -0.0127 | 0.0167 | -0.0455 | 0.0200 | 0.58 | 0.4463 |
| C | 1 | -0.0635 | 0.0175 | -0.0979 | -0.0291 | 13.10 | 0.0003 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07488 | -0.15646 | 0.047332 | 0.16870 |
| 2 | 1.07488 | 0.00305 | -0.001968 | -0.00108 |
| 3 | 1.07488 | -0.00197 | 0.004756 | -0.00001 |
| 4 | 1.07488 | -0.00108 | -0.000010 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA120 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1013.1337 | 1.0172 |
| Scaled Deviance | 996 | 1013.1337 | 1.0172 |
| Pearson Chi-Square | 996 | 948.8921 | 0.9527 |
| Scaled Pearson X2 | 996 | 948.8921 | 0.9527 |
| Log Likelihood | | 385.5229 | |
| Full Log Likelihood | | -1915.9856 | |
| AIC (smaller is better) | | 3839.9712 | |
| AICC (smaller is better) | | 3840.0114 | |
| BIC (smaller is better) | | 3859.6023 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009050 | -0.000573 | 0.0000668 | -0.000339 |
| Prm2 | -0.000573 | 0.001357 | -0.000090 | 3.4919E-6 |
| Prm3 | 0.0000668 | -0.000090 | 0.0003315 | -0.000045 |
| Prm4 | -0.000339 | 3.4919E-6 | -0.000045 | 0.0003378 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2010 | 0.0301 | 1.1420 | 1.2600 | 1593.85 | <.0001 |
| A | 1 | -0.0581 | 0.0368 | -0.1303 | 0.0141 | 2.49 | 0.1147 |
| M_cont | 1 | 0.0172 | 0.0182 | -0.0185 | 0.0528 | 0.89 | 0.3459 |
| C | 1 | -0.0516 | 0.0184 | -0.0877 | -0.0156 | 7.90 | 0.0050 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99485 | -0.21344 | 0.26354 | 0.13280 |
| 2 | 0.99485 | 0.00286 | -0.00174 | -0.00106 |
| 3 | 0.99485 | -0.00174 | 0.00403 | -0.00002 |
| 4 | 0.99485 | -0.00106 | -0.00002 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA121 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1078.4967 | 1.0828 |
| Scaled Deviance | 996 | 1078.4967 | 1.0828 |
| Pearson Chi-Square | 996 | 1041.6876 | 1.0459 |
| Scaled Pearson X2 | 996 | 1041.6876 | 1.0459 |
| Log Likelihood | | 403.0383 | |
| Full Log Likelihood | | -1948.5606 | |
| AIC (smaller is better) | | 3905.1212 | |
| AICC (smaller is better) | | 3905.1614 | |
| BIC (smaller is better) | | 3924.7523 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008613 | -0.000603 | 0.0000266 | -0.000282 |
| Prm2 | -0.000603 | 0.001312 | -0.000036 | 0.0000167 |
| Prm3 | 0.0000266 | -0.000036 | 0.0002881 | -0.000056 |
| Prm4 | -0.000282 | 0.0000167 | -0.000056 | 0.0002973 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1913 | 0.0293 | 1.1338 | 1.2488 | 1647.84 | <.0001 |
| A | 1 | -0.0318 | 0.0362 | -0.1028 | 0.0392 | 0.77 | 0.3795 |
| M_cont | 1 | 0.0481 | 0.0170 | 0.0148 | 0.0813 | 8.02 | 0.0046 |
| C | 1 | -0.0563 | 0.0172 | -0.0900 | -0.0225 | 10.64 | 0.0011 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06300 | -0.13465 | 0.11269 | 0.18621 |
| 2 | 1.06300 | 0.00312 | -0.00212 | -0.00102 |
| 3 | 1.06300 | -0.00212 | 0.00455 | 0.00004 |
| 4 | 1.06300 | -0.00102 | 0.00004 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA122 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 962.8397 | 0.9667 |
| Scaled Deviance | 996 | 962.8397 | 0.9667 |
| Pearson Chi-Square | 996 | 928.5533 | 0.9323 |
| Scaled Pearson X2 | 996 | 928.5533 | 0.9323 |
| Log Likelihood | | 401.9742 | |
| Full Log Likelihood | | -1902.7474 | |
| AIC (smaller is better) | | 3813.4947 | |
| AICC (smaller is better) | | 3813.5349 | |
| BIC (smaller is better) | | 3833.1258 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009025 | -0.000593 | 0.0000671 | -0.000338 |
| Prm2 | -0.000593 | 0.001370 | -0.000072 | 0.0000486 |
| Prm3 | 0.0000671 | -0.000072 | 0.0002921 | -0.000056 |
| Prm4 | -0.000338 | 0.0000486 | -0.000056 | 0.0003141 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1864 | 0.0300 | 1.1275 | 1.2452 | 1559.46 | <.0001 |
| A | 1 | -0.0961 | 0.0370 | -0.1686 | -0.0235 | 6.74 | 0.0094 |
| M_cont | 1 | -0.0179 | 0.0171 | -0.0514 | 0.0156 | 1.10 | 0.2942 |
| C | 1 | -0.0163 | 0.0177 | -0.0510 | 0.0184 | 0.85 | 0.3574 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05756 | -0.21361 | 0.25335 | 0.19200 |
| 2 | 1.05756 | 0.00320 | -0.00208 | -0.00115 |
| 3 | 1.05756 | -0.00208 | 0.00459 | 0.00012 |
| 4 | 1.05756 | -0.00115 | 0.00012 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA123 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1079.1754 | 1.0835 |
| Scaled Deviance | 996 | 1079.1754 | 1.0835 |
| Pearson Chi-Square | 996 | 1018.6125 | 1.0227 |
| Scaled Pearson X2 | 996 | 1018.6125 | 1.0227 |
| Log Likelihood | | 414.9069 | |
| Full Log Likelihood | | -1947.6139 | |
| AIC (smaller is better) | | 3903.2277 | |
| AICC (smaller is better) | | 3903.2679 | |
| BIC (smaller is better) | | 3922.8587 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008674 | -0.000570 | 0.0000381 | -0.000307 |
| Prm2 | -0.000570 | 0.001313 | -0.000042 | -0.000010 |
| Prm3 | 0.0000381 | -0.000042 | 0.0002831 | -0.000047 |
| Prm4 | -0.000307 | -0.000010 | -0.000047 | 0.0003288 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2012 | 0.0295 | 1.1435 | 1.2590 | 1663.62 | <.0001 |
| A | 1 | -0.0136 | 0.0362 | -0.0846 | 0.0574 | 0.14 | 0.7070 |
| M_cont | 1 | 0.0035 | 0.0168 | -0.0295 | 0.0365 | 0.04 | 0.8346 |
| C | 1 | -0.0643 | 0.0181 | -0.0998 | -0.0287 | 12.56 | 0.0004 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06919 | -0.14105 | 0.14556 | 0.17038 |
| 2 | 1.06919 | 0.00323 | -0.00203 | -0.00115 |
| 3 | 1.06919 | -0.00203 | 0.00462 | -0.00005 |
| 4 | 1.06919 | -0.00115 | -0.00005 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA124 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1033.7430 | 1.0379 |
| Scaled Deviance | 996 | 1033.7430 | 1.0379 |
| Pearson Chi-Square | 996 | 1006.7525 | 1.0108 |
| Scaled Pearson X2 | 996 | 1006.7525 | 1.0108 |
| Log Likelihood | | 437.2603 | |
| Full Log Likelihood | | -1939.7446 | |
| AIC (smaller is better) | | 3887.4893 | |
| AICC (smaller is better) | | 3887.5295 | |
| BIC (smaller is better) | | 3907.1203 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009214 | -0.000591 | 0.0000601 | -0.000337 |
| Prm2 | -0.000591 | 0.001329 | -0.000088 | 0.0000179 |
| Prm3 | 0.0000601 | -0.000088 | 0.0002719 | -0.000045 |
| Prm4 | -0.000337 | 0.0000179 | -0.000045 | 0.0003216 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1590 | 0.0304 | 1.0995 | 1.2185 | 1457.77 | <.0001 |
| A | 1 | -0.0082 | 0.0365 | -0.0796 | 0.0633 | 0.05 | 0.8230 |
| M_cont | 1 | 0.0038 | 0.0165 | -0.0285 | 0.0361 | 0.05 | 0.8172 |
| C | 1 | -0.0153 | 0.0179 | -0.0505 | 0.0198 | 0.73 | 0.3925 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08748 | -0.22502 | 0.32425 | 0.16502 |
| 2 | 1.08748 | 0.00340 | -0.00212 | -0.00123 |
| 3 | 1.08748 | -0.00212 | 0.00480 | 0.00002 |
| 4 | 1.08748 | -0.00123 | 0.00002 | 0.00116 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA125 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1033.0466 | 1.0372 |
| Scaled Deviance | 996 | 1033.0466 | 1.0372 |
| Pearson Chi-Square | 996 | 946.9588 | 0.9508 |
| Scaled Pearson X2 | 996 | 946.9588 | 0.9508 |
| Log Likelihood | | 490.9868 | |
| Full Log Likelihood | | -1937.9109 | |
| AIC (smaller is better) | | 3883.8218 | |
| AICC (smaller is better) | | 3883.8620 | |
| BIC (smaller is better) | | 3903.4528 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008310 | -0.000556 | 0.0000663 | -0.000297 |
| Prm2 | -0.000556 | 0.001314 | -0.000066 | 0.0000132 |
| Prm3 | 0.0000663 | -0.000066 | 0.0002997 | -0.000054 |
| Prm4 | -0.000297 | 0.0000132 | -0.000054 | 0.0003041 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2252 | 0.0288 | 1.1687 | 1.2817 | 1806.47 | <.0001 |
| A | 1 | -0.0429 | 0.0362 | -0.1140 | 0.0281 | 1.40 | 0.2362 |
| M_cont | 1 | 0.0256 | 0.0173 | -0.0083 | 0.0595 | 2.19 | 0.1392 |
| C | 1 | -0.0554 | 0.0174 | -0.0895 | -0.0212 | 10.08 | 0.0015 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02493 | -0.25801 | 0.21949 | 0.18989 |
| 2 | 1.02493 | 0.00287 | -0.00184 | -0.00101 |
| 3 | 1.02493 | -0.00184 | 0.00430 | 0.00002 |
| 4 | 1.02493 | -0.00101 | 0.00002 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA126 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1118.8680 | 1.1234 |
| Scaled Deviance | 996 | 1118.8680 | 1.1234 |
| Pearson Chi-Square | 996 | 1066.8907 | 1.0712 |
| Scaled Pearson X2 | 996 | 1066.8907 | 1.0712 |
| Log Likelihood | | 544.8589 | |
| Full Log Likelihood | | -1984.8982 | |
| AIC (smaller is better) | | 3977.7964 | |
| AICC (smaller is better) | | 3977.8366 | |
| BIC (smaller is better) | | 3997.4275 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007596 | -0.000506 | 0.0000194 | -0.000278 |
| Prm2 | -0.000506 | 0.001326 | -0.000043 | 5.1656E-6 |
| Prm3 | 0.0000194 | -0.000043 | 0.0002929 | -0.000035 |
| Prm4 | -0.000278 | 5.1656E-6 | -0.000035 | 0.0003030 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2585 | 0.0276 | 1.2045 | 1.3125 | 2085.04 | <.0001 |
| A | 1 | -0.0745 | 0.0364 | -0.1459 | -0.0032 | 4.19 | 0.0407 |
| M_cont | 1 | 0.0240 | 0.0171 | -0.0096 | 0.0575 | 1.96 | 0.1613 |
| C | 1 | -0.0680 | 0.0174 | -0.1021 | -0.0339 | 15.25 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03329 | -0.097789 | 0.14105 | 0.12686 |
| 2 | 1.03329 | 0.002795 | -0.00179 | -0.00103 |
| 3 | 1.03329 | -0.001786 | 0.00446 | 0.00001 |
| 4 | 1.03329 | -0.001026 | 0.00001 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA127 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1082.2749 | 1.0866 |
| Scaled Deviance | 996 | 1082.2749 | 1.0866 |
| Pearson Chi-Square | 996 | 1016.1735 | 1.0203 |
| Scaled Pearson X2 | 996 | 1016.1735 | 1.0203 |
| Log Likelihood | | 394.0045 | |
| Full Log Likelihood | | -1944.0355 | |
| AIC (smaller is better) | | 3896.0709 | |
| AICC (smaller is better) | | 3896.1111 | |
| BIC (smaller is better) | | 3915.7020 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008412 | -0.000550 | 0.0000531 | -0.000305 |
| Prm2 | -0.000550 | 0.001352 | -0.000065 | -3.544E-6 |
| Prm3 | 0.0000531 | -0.000065 | 0.0003132 | -0.000056 |
| Prm4 | -0.000305 | -3.544E-6 | -0.000056 | 0.0003222 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2002 | 0.0290 | 1.1434 | 1.2571 | 1712.41 | <.0001 |
| A | 1 | -0.0776 | 0.0368 | -0.1497 | -0.0055 | 4.45 | 0.0348 |
| M_cont | 1 | 0.0415 | 0.0177 | 0.0068 | 0.0761 | 5.49 | 0.0192 |
| C | 1 | -0.0455 | 0.0180 | -0.0807 | -0.0103 | 6.43 | 0.0112 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02351 | -0.20571 | 0.19542 | 0.17535 |
| 2 | 1.02351 | 0.00283 | -0.00180 | -0.00100 |
| 3 | 1.02351 | -0.00180 | 0.00427 | -0.00004 |
| 4 | 1.02351 | -0.00100 | -0.00004 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA128 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1063.9735 | 1.0682 |
| Scaled Deviance | 996 | 1063.9735 | 1.0682 |
| Pearson Chi-Square | 996 | 974.0271 | 0.9779 |
| Scaled Pearson X2 | 996 | 974.0271 | 0.9779 |
| Log Likelihood | | 455.5888 | |
| Full Log Likelihood | | -1942.7126 | |
| AIC (smaller is better) | | 3893.4251 | |
| AICC (smaller is better) | | 3893.4653 | |
| BIC (smaller is better) | | 3913.0561 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008138 | -0.000528 | 0.0000439 | -0.000292 |
| Prm2 | -0.000528 | 0.001328 | -0.000050 | -0.000013 |
| Prm3 | 0.0000439 | -0.000050 | 0.0002645 | -0.000047 |
| Prm4 | -0.000292 | -0.000013 | -0.000047 | 0.0003132 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2031 | 0.0285 | 1.1472 | 1.2590 | 1778.61 | <.0001 |
| A | 1 | -0.0236 | 0.0364 | -0.0950 | 0.0478 | 0.42 | 0.5167 |
| M_cont | 1 | -0.0139 | 0.0163 | -0.0458 | 0.0180 | 0.73 | 0.3931 |
| C | 1 | -0.0488 | 0.0177 | -0.0835 | -0.0141 | 7.60 | 0.0059 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.10204 | -0.14701 | 0.18787 | 0.17738 |
| 2 | 1.10204 | 0.00322 | -0.00201 | -0.00115 |
| 3 | 1.10204 | -0.00201 | 0.00500 | -0.00007 |
| 4 | 1.10204 | -0.00115 | -0.00007 | 0.00116 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA129 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1059.9552 | 1.0642 |
| Scaled Deviance | 996 | 1059.9552 | 1.0642 |
| Pearson Chi-Square | 996 | 1018.0548 | 1.0221 |
| Scaled Pearson X2 | 996 | 1018.0548 | 1.0221 |
| Log Likelihood | | 386.7973 | |
| Full Log Likelihood | | -1937.5066 | |
| AIC (smaller is better) | | 3883.0133 | |
| AICC (smaller is better) | | 3883.0535 | |
| BIC (smaller is better) | | 3902.6443 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008637 | -0.000576 | 0.0000575 | -0.000291 |
| Prm2 | -0.000576 | 0.001320 | -0.000037 | -0.000019 |
| Prm3 | 0.0000575 | -0.000037 | 0.0002719 | -0.000049 |
| Prm4 | -0.000291 | -0.000019 | -0.000049 | 0.0003124 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1899 | 0.0294 | 1.1323 | 1.2475 | 1639.36 | <.0001 |
| A | 1 | -0.0072 | 0.0363 | -0.0784 | 0.0640 | 0.04 | 0.8436 |
| M_cont | 1 | 0.0080 | 0.0165 | -0.0244 | 0.0403 | 0.23 | 0.6294 |
| C | 1 | -0.0635 | 0.0177 | -0.0981 | -0.0289 | 12.90 | 0.0003 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09974 | -0.22122 | 0.13339 | 0.18068 |
| 2 | 1.09974 | 0.00333 | -0.00212 | -0.00112 |
| 3 | 1.09974 | -0.00212 | 0.00489 | -0.00009 |
| 4 | 1.09974 | -0.00112 | -0.00009 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA130 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1095.2303 | 1.0996 |
| Scaled Deviance | 996 | 1095.2303 | 1.0996 |
| Pearson Chi-Square | 996 | 1022.5074 | 1.0266 |
| Scaled Pearson X2 | 996 | 1022.5074 | 1.0266 |
| Log Likelihood | | 458.8692 | |
| Full Log Likelihood | | -1959.4676 | |
| AIC (smaller is better) | | 3926.9353 | |
| AICC (smaller is better) | | 3926.9755 | |
| BIC (smaller is better) | | 3946.5663 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008075 | -0.000533 | 0.0000532 | -0.000288 |
| Prm2 | -0.000533 | 0.001330 | -0.000073 | -0.000015 |
| Prm3 | 0.0000532 | -0.000073 | 0.0002854 | -0.000065 |
| Prm4 | -0.000288 | -0.000015 | -0.000065 | 0.0003201 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2029 | 0.0284 | 1.1472 | 1.2586 | 1791.86 | <.0001 |
| A | 1 | -0.0169 | 0.0365 | -0.0883 | 0.0546 | 0.21 | 0.6438 |
| M_cont | 1 | 0.0165 | 0.0169 | -0.0166 | 0.0496 | 0.96 | 0.3278 |
| C | 1 | -0.0548 | 0.0179 | -0.0899 | -0.0198 | 9.39 | 0.0022 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06142 | -0.20612 | 0.25061 | 0.23315 |
| 2 | 1.06142 | 0.00295 | -0.00185 | -0.00104 |
| 3 | 1.06142 | -0.00185 | 0.00463 | -0.00011 |
| 4 | 1.06142 | -0.00104 | -0.00011 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA131 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1080.0250 | 1.0844 |
| Scaled Deviance | 996 | 1080.0250 | 1.0844 |
| Pearson Chi-Square | 996 | 1024.3223 | 1.0284 |
| Scaled Pearson X2 | 996 | 1024.3223 | 1.0284 |
| Log Likelihood | | 396.0025 | |
| Full Log Likelihood | | -1945.6716 | |
| AIC (smaller is better) | | 3899.3433 | |
| AICC (smaller is better) | | 3899.3835 | |
| BIC (smaller is better) | | 3918.9743 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008521 | -0.000557 | 0.0000501 | -0.000316 |
| Prm2 | -0.000557 | 0.001372 | -0.000048 | 0.0000253 |
| Prm3 | 0.0000501 | -0.000048 | 0.0003056 | -0.000045 |
| Prm4 | -0.000316 | 0.0000253 | -0.000045 | 0.0003110 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1968 | 0.0292 | 1.1396 | 1.2540 | 1680.91 | <.0001 |
| A | 1 | -0.0716 | 0.0370 | -0.1442 | 0.0010 | 3.73 | 0.0533 |
| M_cont | 1 | 0.0103 | 0.0175 | -0.0240 | 0.0445 | 0.35 | 0.5569 |
| C | 1 | -0.0414 | 0.0176 | -0.0760 | -0.0069 | 5.52 | 0.0188 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03240 | -0.17733 | 0.15704 | 0.15099 |
| 2 | 1.03240 | 0.00292 | -0.00186 | -0.00106 |
| 3 | 1.03240 | -0.00186 | 0.00443 | 0.00007 |
| 4 | 1.03240 | -0.00106 | 0.00007 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA132 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1006.4489 | 1.0105 |
| Scaled Deviance | 996 | 1006.4489 | 1.0105 |
| Pearson Chi-Square | 996 | 940.5765 | 0.9444 |
| Scaled Pearson X2 | 996 | 940.5765 | 0.9444 |
| Log Likelihood | | 495.3997 | |
| Full Log Likelihood | | -1929.1901 | |
| AIC (smaller is better) | | 3866.3802 | |
| AICC (smaller is better) | | 3866.4204 | |
| BIC (smaller is better) | | 3886.0112 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007845 | -0.000544 | 0.0000467 | -0.000266 |
| Prm2 | -0.000544 | 0.001331 | -0.000071 | 0.0000183 |
| Prm3 | 0.0000467 | -0.000071 | 0.0002768 | -0.000053 |
| Prm4 | -0.000266 | 0.0000183 | -0.000053 | 0.0002752 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2307 | 0.0280 | 1.1758 | 1.2856 | 1930.58 | <.0001 |
| A | 1 | -0.0619 | 0.0365 | -0.1334 | 0.0096 | 2.88 | 0.0896 |
| M_cont | 1 | 0.0375 | 0.0166 | 0.0049 | 0.0701 | 5.09 | 0.0241 |
| C | 1 | -0.0561 | 0.0166 | -0.0886 | -0.0236 | 11.43 | 0.0007 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07111 | -0.20777 | 0.25242 | 0.19054 |
| 2 | 1.07111 | 0.00298 | -0.00198 | -0.00099 |
| 3 | 1.07111 | -0.00198 | 0.00473 | 0.00002 |
| 4 | 1.07111 | -0.00099 | 0.00002 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA133 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1135.3956 | 1.1400 |
| Scaled Deviance | 996 | 1135.3956 | 1.1400 |
| Pearson Chi-Square | 996 | 1052.4886 | 1.0567 |
| Scaled Pearson X2 | 996 | 1052.4886 | 1.0567 |
| Log Likelihood | | 485.9002 | |
| Full Log Likelihood | | -1976.8164 | |
| AIC (smaller is better) | | 3961.6329 | |
| AICC (smaller is better) | | 3961.6731 | |
| BIC (smaller is better) | | 3981.2639 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007991 | -0.000544 | 0.0000569 | -0.000285 |
| Prm2 | -0.000544 | 0.001325 | -0.000028 | 0.0000176 |
| Prm3 | 0.0000569 | -0.000028 | 0.0002626 | -0.000039 |
| Prm4 | -0.000285 | 0.0000176 | -0.000039 | 0.0002979 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2259 | 0.0283 | 1.1705 | 1.2813 | 1880.67 | <.0001 |
| A | 1 | -0.0356 | 0.0364 | -0.1070 | 0.0357 | 0.96 | 0.3275 |
| M_cont | 1 | -0.0296 | 0.0162 | -0.0614 | 0.0022 | 3.34 | 0.0678 |
| C | 1 | -0.0637 | 0.0173 | -0.0975 | -0.0299 | 13.63 | 0.0002 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.10292 | -0.19004 | 0.11273 | 0.15356 |
| 2 | 1.10292 | 0.00322 | -0.00211 | -0.00115 |
| 3 | 1.10292 | -0.00211 | 0.00505 | 0.00006 |
| 4 | 1.10292 | -0.00115 | 0.00006 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA134 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 995.6714 | 0.9997 |
| Scaled Deviance | 996 | 995.6714 | 0.9997 |
| Pearson Chi-Square | 996 | 932.9009 | 0.9366 |
| Scaled Pearson X2 | 996 | 932.9009 | 0.9366 |
| Log Likelihood | | 463.8592 | |
| Full Log Likelihood | | -1919.0547 | |
| AIC (smaller is better) | | 3846.1095 | |
| AICC (smaller is better) | | 3846.1497 | |
| BIC (smaller is better) | | 3865.7405 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007903 | -0.000554 | 0.0000341 | -0.000268 |
| Prm2 | -0.000554 | 0.001321 | -0.000060 | 6.7541E-6 |
| Prm3 | 0.0000341 | -0.000060 | 0.0002842 | -0.000045 |
| Prm4 | -0.000268 | 6.7541E-6 | -0.000045 | 0.0002988 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2371 | 0.0281 | 1.1820 | 1.2922 | 1936.67 | <.0001 |
| A | 1 | -0.0252 | 0.0363 | -0.0964 | 0.0461 | 0.48 | 0.4888 |
| M_cont | 1 | -0.0036 | 0.0169 | -0.0366 | 0.0295 | 0.04 | 0.8323 |
| C | 1 | -0.0865 | 0.0173 | -0.1204 | -0.0527 | 25.06 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06957 | -0.12082 | 0.21319 | 0.16255 |
| 2 | 1.06957 | 0.00305 | -0.00200 | -0.00105 |
| 3 | 1.06957 | -0.00200 | 0.00468 | 0.00001 |
| 4 | 1.06957 | -0.00105 | 0.00001 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA135 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1023.9837 | 1.0281 |
| Scaled Deviance | 996 | 1023.9837 | 1.0281 |
| Pearson Chi-Square | 996 | 972.0923 | 0.9760 |
| Scaled Pearson X2 | 996 | 972.0923 | 0.9760 |
| Log Likelihood | | 571.8814 | |
| Full Log Likelihood | | -1952.1931 | |
| AIC (smaller is better) | | 3912.3862 | |
| AICC (smaller is better) | | 3912.4264 | |
| BIC (smaller is better) | | 3932.0172 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007811 | -0.000517 | 0.0000141 | -0.000290 |
| Prm2 | -0.000517 | 0.001332 | -0.000042 | 0.0000289 |
| Prm3 | 0.0000141 | -0.000042 | 0.0003070 | -0.000035 |
| Prm4 | -0.000290 | 0.0000289 | -0.000035 | 0.0002900 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2427 | 0.0279 | 1.1879 | 1.2975 | 1977.06 | <.0001 |
| A | 1 | -0.0695 | 0.0365 | -0.1410 | 0.0020 | 3.63 | 0.0569 |
| M_cont | 1 | 0.0233 | 0.0175 | -0.0110 | 0.0577 | 1.77 | 0.1832 |
| C | 1 | -0.0441 | 0.0170 | -0.0775 | -0.0108 | 6.71 | 0.0096 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00607 | -0.071772 | 0.13453 | 0.11689 |
| 2 | 1.00607 | 0.002698 | -0.00174 | -0.00100 |
| 3 | 1.00607 | -0.001742 | 0.00428 | 0.00009 |
| 4 | 1.00607 | -0.000996 | 0.00009 | 0.00094 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA136 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1052.0423 | 1.0563 |
| Scaled Deviance | 996 | 1052.0423 | 1.0563 |
| Pearson Chi-Square | 996 | 999.4512 | 1.0035 |
| Scaled Pearson X2 | 996 | 999.4512 | 1.0035 |
| Log Likelihood | | 507.4251 | |
| Full Log Likelihood | | -1951.4510 | |
| AIC (smaller is better) | | 3910.9019 | |
| AICC (smaller is better) | | 3910.9421 | |
| BIC (smaller is better) | | 3930.5330 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007850 | -0.000541 | 0.0000528 | -0.000269 |
| Prm2 | -0.000541 | 0.001323 | -0.000074 | 9.9109E-6 |
| Prm3 | 0.0000528 | -0.000074 | 0.0002971 | -0.000043 |
| Prm4 | -0.000269 | 9.9109E-6 | -0.000043 | 0.0002827 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2219 | 0.0280 | 1.1669 | 1.2768 | 1901.87 | <.0001 |
| A | 1 | -0.0033 | 0.0364 | -0.0746 | 0.0680 | 0.01 | 0.9285 |
| M_cont | 1 | -0.0193 | 0.0172 | -0.0530 | 0.0145 | 1.25 | 0.2638 |
| C | 1 | -0.0632 | 0.0168 | -0.0962 | -0.0303 | 14.13 | 0.0002 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03416 | -0.16227 | 0.24706 | 0.15013 |
| 2 | 1.03416 | 0.00278 | -0.00180 | -0.00096 |
| 3 | 1.03416 | -0.00180 | 0.00443 | -0.00000 |
| 4 | 1.03416 | -0.00096 | -0.00000 | 0.00094 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA137 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1041.8326 | 1.0460 |
| Scaled Deviance | 996 | 1041.8326 | 1.0460 |
| Pearson Chi-Square | 996 | 977.7211 | 0.9816 |
| Scaled Pearson X2 | 996 | 977.7211 | 0.9816 |
| Log Likelihood | | 364.1692 | |
| Full Log Likelihood | | -1924.2007 | |
| AIC (smaller is better) | | 3856.4014 | |
| AICC (smaller is better) | | 3856.4416 | |
| BIC (smaller is better) | | 3876.0324 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008527 | -0.000572 | 0.0000874 | -0.000299 |
| Prm2 | -0.000572 | 0.001354 | -0.000055 | 3.3881E-6 |
| Prm3 | 0.0000874 | -0.000055 | 0.0003184 | -0.000063 |
| Prm4 | -0.000299 | 3.3881E-6 | -0.000063 | 0.0003133 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1978 | 0.0292 | 1.1406 | 1.2550 | 1682.58 | <.0001 |
| A | 1 | -0.0611 | 0.0368 | -0.1332 | 0.0111 | 2.75 | 0.0971 |
| M_cont | 1 | -0.0222 | 0.0178 | -0.0572 | 0.0127 | 1.55 | 0.2126 |
| C | 1 | -0.0561 | 0.0177 | -0.0908 | -0.0214 | 10.05 | 0.0015 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01925 | -0.25703 | 0.16872 | 0.20672 |
| 2 | 1.01925 | 0.00281 | -0.00182 | -0.00096 |
| 3 | 1.01925 | -0.00182 | 0.00423 | -0.00002 |
| 4 | 1.01925 | -0.00096 | -0.00002 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA138 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1059.2450 | 1.0635 |
| Scaled Deviance | 996 | 1059.2450 | 1.0635 |
| Pearson Chi-Square | 996 | 1002.9867 | 1.0070 |
| Scaled Pearson X2 | 996 | 1002.9867 | 1.0070 |
| Log Likelihood | | 474.0180 | |
| Full Log Likelihood | | -1950.2532 | |
| AIC (smaller is better) | | 3908.5063 | |
| AICC (smaller is better) | | 3908.5465 | |
| BIC (smaller is better) | | 3928.1373 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008623 | -0.000565 | 0.0000518 | -0.000309 |
| Prm2 | -0.000565 | 0.001318 | -0.000071 | 0.0000165 |
| Prm3 | 0.0000518 | -0.000071 | 0.0002762 | -0.000050 |
| Prm4 | -0.000309 | 0.0000165 | -0.000050 | 0.0003040 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1954 | 0.0294 | 1.1379 | 1.2530 | 1657.32 | <.0001 |
| A | 1 | 0.0023 | 0.0363 | -0.0689 | 0.0735 | 0.00 | 0.9494 |
| M_cont | 1 | 0.0324 | 0.0166 | -0.0002 | 0.0650 | 3.80 | 0.0512 |
| C | 1 | -0.0489 | 0.0174 | -0.0831 | -0.0148 | 7.88 | 0.0050 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07490 | -0.21566 | 0.24299 | 0.17627 |
| 2 | 1.07490 | 0.00320 | -0.00201 | -0.00114 |
| 3 | 1.07490 | -0.00201 | 0.00475 | 0.00002 |
| 4 | 1.07490 | -0.00114 | 0.00002 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA139 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1084.8465 | 1.0892 |
| Scaled Deviance | 996 | 1084.8465 | 1.0892 |
| Pearson Chi-Square | 996 | 999.4929 | 1.0035 |
| Scaled Pearson X2 | 996 | 999.4929 | 1.0035 |
| Log Likelihood | | 426.2992 | |
| Full Log Likelihood | | -1948.8395 | |
| AIC (smaller is better) | | 3905.6790 | |
| AICC (smaller is better) | | 3905.7192 | |
| BIC (smaller is better) | | 3925.3101 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008507 | -0.000560 | 0.0000401 | -0.000294 |
| Prm2 | -0.000560 | 0.001311 | -0.000034 | -0.000012 |
| Prm3 | 0.0000401 | -0.000034 | 0.0002987 | -0.000033 |
| Prm4 | -0.000294 | -0.000012 | -0.000033 | 0.0003085 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2022 | 0.0292 | 1.1451 | 1.2594 | 1698.91 | <.0001 |
| A | 1 | -0.0269 | 0.0362 | -0.0979 | 0.0441 | 0.55 | 0.4576 |
| M_cont | 1 | -0.0025 | 0.0173 | -0.0363 | 0.0314 | 0.02 | 0.8864 |
| C | 1 | -0.0550 | 0.0176 | -0.0894 | -0.0205 | 9.79 | 0.0018 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04148 | -0.13109 | 0.11013 | 0.10981 |
| 2 | 1.04148 | 0.00301 | -0.00191 | -0.00104 |
| 3 | 1.04148 | -0.00191 | 0.00440 | -0.00004 |
| 4 | 1.04148 | -0.00104 | -0.00004 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA140 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1044.9990 | 1.0492 |
| Scaled Deviance | 996 | 1044.9990 | 1.0492 |
| Pearson Chi-Square | 996 | 992.2336 | 0.9962 |
| Scaled Pearson X2 | 996 | 992.2336 | 0.9962 |
| Log Likelihood | | 366.2656 | |
| Full Log Likelihood | | -1927.0267 | |
| AIC (smaller is better) | | 3862.0533 | |
| AICC (smaller is better) | | 3862.0935 | |
| BIC (smaller is better) | | 3881.6844 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008548 | -0.000572 | 0.0000375 | -0.000302 |
| Prm2 | -0.000572 | 0.001355 | -0.000062 | 0.0000104 |
| Prm3 | 0.0000375 | -0.000062 | 0.0003182 | -0.000041 |
| Prm4 | -0.000302 | 0.0000104 | -0.000041 | 0.0003124 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1831 | 0.0292 | 1.1258 | 1.2405 | 1637.57 | <.0001 |
| A | 1 | -0.0373 | 0.0368 | -0.1094 | 0.0349 | 1.03 | 0.3110 |
| M_cont | 1 | 0.0223 | 0.0178 | -0.0127 | 0.0572 | 1.56 | 0.2120 |
| C | 1 | -0.0516 | 0.0177 | -0.0862 | -0.0170 | 8.52 | 0.0035 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01780 | -0.14100 | 0.19291 | 0.13109 |
| 2 | 1.01780 | 0.00283 | -0.00182 | -0.00100 |
| 3 | 1.01780 | -0.00182 | 0.00423 | 0.00001 |
| 4 | 1.01780 | -0.00100 | 0.00001 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA141 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1024.6742 | 1.0288 |
| Scaled Deviance | 996 | 1024.6742 | 1.0288 |
| Pearson Chi-Square | 996 | 970.4591 | 0.9744 |
| Scaled Pearson X2 | 996 | 970.4591 | 0.9744 |
| Log Likelihood | | 303.3804 | |
| Full Log Likelihood | | -1903.2398 | |
| AIC (smaller is better) | | 3814.4795 | |
| AICC (smaller is better) | | 3814.5197 | |
| BIC (smaller is better) | | 3834.1106 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008384 | -0.000561 | 0.0000298 | -0.000292 |
| Prm2 | -0.000561 | 0.001378 | -0.000045 | -0.000019 |
| Prm3 | 0.0000298 | -0.000045 | 0.0003056 | -0.000042 |
| Prm4 | -0.000292 | -0.000019 | -0.000042 | 0.0003294 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2251 | 0.0290 | 1.1683 | 1.2818 | 1789.96 | <.0001 |
| A | 1 | -0.1152 | 0.0371 | -0.1879 | -0.0424 | 9.62 | 0.0019 |
| M_cont | 1 | -0.0160 | 0.0175 | -0.0503 | 0.0182 | 0.84 | 0.3596 |
| C | 1 | -0.0796 | 0.0181 | -0.1152 | -0.0441 | 19.25 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05137 | -0.090049 | 0.15723 | 0.14479 |
| 2 | 1.05137 | 0.003071 | -0.00197 | -0.00106 |
| 3 | 1.05137 | -0.001969 | 0.00446 | -0.00005 |
| 4 | 1.05137 | -0.001065 | -0.00005 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA142 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1038.4575 | 1.0426 |
| Scaled Deviance | 996 | 1038.4575 | 1.0426 |
| Pearson Chi-Square | 996 | 982.3764 | 0.9863 |
| Scaled Pearson X2 | 996 | 982.3764 | 0.9863 |
| Log Likelihood | | 436.5447 | |
| Full Log Likelihood | | -1936.0829 | |
| AIC (smaller is better) | | 3880.1659 | |
| AICC (smaller is better) | | 3880.2061 | |
| BIC (smaller is better) | | 3899.7969 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008032 | -0.000541 | 0.0000369 | -0.000280 |
| Prm2 | -0.000541 | 0.001320 | -0.000029 | -9.576E-6 |
| Prm3 | 0.0000369 | -0.000029 | 0.0002900 | -0.000050 |
| Prm4 | -0.000280 | -9.576E-6 | -0.000050 | 0.0003115 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2031 | 0.0283 | 1.1476 | 1.2587 | 1802.27 | <.0001 |
| A | 1 | -0.0347 | 0.0363 | -0.1059 | 0.0365 | 0.91 | 0.3400 |
| M_cont | 1 | 0.0187 | 0.0170 | -0.0147 | 0.0521 | 1.20 | 0.2724 |
| C | 1 | -0.0543 | 0.0176 | -0.0888 | -0.0197 | 9.45 | 0.0021 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05552 | -0.15052 | 0.095642 | 0.17663 |
| 2 | 1.05552 | 0.00292 | -0.001907 | -0.00101 |
| 3 | 1.05552 | -0.00191 | 0.004555 | -0.00004 |
| 4 | 1.05552 | -0.00101 | -0.000039 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA143 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.1794 | 1.0644 |
| Scaled Deviance | 996 | 1060.1794 | 1.0644 |
| Pearson Chi-Square | 996 | 1006.2178 | 1.0103 |
| Scaled Pearson X2 | 996 | 1006.2178 | 1.0103 |
| Log Likelihood | | 479.2638 | |
| Full Log Likelihood | | -1953.4538 | |
| AIC (smaller is better) | | 3914.9077 | |
| AICC (smaller is better) | | 3914.9479 | |
| BIC (smaller is better) | | 3934.5387 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008670 | -0.000546 | 0.0000455 | -0.000311 |
| Prm2 | -0.000546 | 0.001296 | -0.000044 | -0.000014 |
| Prm3 | 0.0000455 | -0.000044 | 0.0002859 | -0.000040 |
| Prm4 | -0.000311 | -0.000014 | -0.000040 | 0.0003149 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2020 | 0.0294 | 1.1442 | 1.2597 | 1666.38 | <.0001 |
| A | 1 | -0.0472 | 0.0360 | -0.1178 | 0.0233 | 1.72 | 0.1896 |
| M_cont | 1 | 0.0031 | 0.0169 | -0.0300 | 0.0363 | 0.03 | 0.8531 |
| C | 1 | -0.0296 | 0.0177 | -0.0643 | 0.0052 | 2.78 | 0.0957 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05635 | -0.16160 | 0.15474 | 0.13884 |
| 2 | 1.05635 | 0.00315 | -0.00195 | -0.00111 |
| 3 | 1.05635 | -0.00195 | 0.00452 | -0.00006 |
| 4 | 1.05635 | -0.00111 | -0.00006 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA144 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1026.7995 | 1.0309 |
| Scaled Deviance | 996 | 1026.7995 | 1.0309 |
| Pearson Chi-Square | 996 | 959.4562 | 0.9633 |
| Scaled Pearson X2 | 996 | 959.4562 | 0.9633 |
| Log Likelihood | | 405.4332 | |
| Full Log Likelihood | | -1924.6895 | |
| AIC (smaller is better) | | 3857.3790 | |
| AICC (smaller is better) | | 3857.4192 | |
| BIC (smaller is better) | | 3877.0100 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007839 | -0.000540 | 0.0000582 | -0.000272 |
| Prm2 | -0.000540 | 0.001365 | -0.000070 | -2.544E-6 |
| Prm3 | 0.0000582 | -0.000070 | 0.0003007 | -0.000050 |
| Prm4 | -0.000272 | -2.544E-6 | -0.000050 | 0.0003031 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2096 | 0.0280 | 1.1547 | 1.2645 | 1866.37 | <.0001 |
| A | 1 | -0.0688 | 0.0369 | -0.1412 | 0.0036 | 3.46 | 0.0627 |
| M_cont | 1 | 0.0166 | 0.0173 | -0.0174 | 0.0506 | 0.92 | 0.3379 |
| C | 1 | -0.0570 | 0.0174 | -0.0911 | -0.0228 | 10.70 | 0.0011 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04056 | -0.20805 | 0.22556 | 0.16525 |
| 2 | 1.04056 | 0.00276 | -0.00182 | -0.00095 |
| 3 | 1.04056 | -0.00182 | 0.00446 | -0.00004 |
| 4 | 1.04056 | -0.00095 | -0.00004 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA145 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 979.4813 | 0.9834 |
| Scaled Deviance | 996 | 979.4813 | 0.9834 |
| Pearson Chi-Square | 996 | 944.5583 | 0.9484 |
| Scaled Pearson X2 | 996 | 944.5583 | 0.9484 |
| Log Likelihood | | 470.5082 | |
| Full Log Likelihood | | -1921.2472 | |
| AIC (smaller is better) | | 3850.4944 | |
| AICC (smaller is better) | | 3850.5346 | |
| BIC (smaller is better) | | 3870.1255 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009086 | -0.000611 | 0.0000783 | -0.000337 |
| Prm2 | -0.000611 | 0.001340 | -0.000096 | 0.0000595 |
| Prm3 | 0.0000783 | -0.000096 | 0.0002965 | -0.000066 |
| Prm4 | -0.000337 | 0.0000595 | -0.000066 | 0.0003122 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2066 | 0.0301 | 1.1475 | 1.2656 | 1602.29 | <.0001 |
| A | 1 | -0.0908 | 0.0366 | -0.1626 | -0.0191 | 6.16 | 0.0131 |
| M_cont | 1 | -0.0068 | 0.0172 | -0.0406 | 0.0269 | 0.16 | 0.6910 |
| C | 1 | -0.0183 | 0.0177 | -0.0529 | 0.0163 | 1.07 | 0.3005 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03711 | -0.25843 | 0.32473 | 0.22368 |
| 2 | 1.03711 | 0.00313 | -0.00206 | -0.00110 |
| 3 | 1.03711 | -0.00206 | 0.00438 | 0.00013 |
| 4 | 1.03711 | -0.00110 | 0.00013 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA146 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1126.5004 | 1.1310 |
| Scaled Deviance | 996 | 1126.5004 | 1.1310 |
| Pearson Chi-Square | 996 | 1041.4474 | 1.0456 |
| Scaled Pearson X2 | 996 | 1041.4474 | 1.0456 |
| Log Likelihood | | 378.8053 | |
| Full Log Likelihood | | -1958.2010 | |
| AIC (smaller is better) | | 3924.4019 | |
| AICC (smaller is better) | | 3924.4421 | |
| BIC (smaller is better) | | 3944.0330 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008222 | -0.000526 | 0.0000730 | -0.000306 |
| Prm2 | -0.000526 | 0.001399 | -0.000077 | -4.016E-6 |
| Prm3 | 0.0000730 | -0.000077 | 0.0003178 | -0.000070 |
| Prm4 | -0.000306 | -4.016E-6 | -0.000070 | 0.0003194 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2060 | 0.0287 | 1.1498 | 1.2622 | 1769.02 | <.0001 |
| A | 1 | -0.0607 | 0.0374 | -0.1340 | 0.0126 | 2.64 | 0.1045 |
| M_cont | 1 | 0.0228 | 0.0178 | -0.0122 | 0.0577 | 1.63 | 0.2011 |
| C | 1 | -0.0623 | 0.0179 | -0.0973 | -0.0273 | 12.15 | 0.0005 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01921 | -0.24160 | 0.23144 | 0.21436 |
| 2 | 1.01921 | 0.00273 | -0.00167 | -0.00099 |
| 3 | 1.01921 | -0.00167 | 0.00434 | -0.00005 |
| 4 | 1.01921 | -0.00099 | -0.00005 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA147 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1135.0727 | 1.1396 |
| Scaled Deviance | 996 | 1135.0727 | 1.1396 |
| Pearson Chi-Square | 996 | 1028.7144 | 1.0328 |
| Scaled Pearson X2 | 996 | 1028.7144 | 1.0328 |
| Log Likelihood | | 381.9594 | |
| Full Log Likelihood | | -1960.2751 | |
| AIC (smaller is better) | | 3928.5503 | |
| AICC (smaller is better) | | 3928.5905 | |
| BIC (smaller is better) | | 3948.1813 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008832 | -0.000578 | 0.0000801 | -0.000320 |
| Prm2 | -0.000578 | 0.001372 | -0.000104 | 0.0000132 |
| Prm3 | 0.0000801 | -0.000104 | 0.0003066 | -0.000060 |
| Prm4 | -0.000320 | 0.0000132 | -0.000060 | 0.0003171 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1498 | 0.0297 | 1.0915 | 1.2080 | 1496.77 | <.0001 |
| A | 1 | 0.0140 | 0.0370 | -0.0586 | 0.0866 | 0.14 | 0.7060 |
| M_cont | 1 | 0.0063 | 0.0175 | -0.0280 | 0.0406 | 0.13 | 0.7184 |
| C | 1 | -0.0317 | 0.0178 | -0.0666 | 0.0032 | 3.17 | 0.0752 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03269 | -0.26732 | 0.33755 | 0.19532 |
| 2 | 1.03269 | 0.00288 | -0.00180 | -0.00103 |
| 3 | 1.03269 | -0.00180 | 0.00440 | -0.00002 |
| 4 | 1.03269 | -0.00103 | -0.00002 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA148 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1054.0029 | 1.0582 |
| Scaled Deviance | 996 | 1054.0029 | 1.0582 |
| Pearson Chi-Square | 996 | 1002.8033 | 1.0068 |
| Scaled Pearson X2 | 996 | 1002.8033 | 1.0068 |
| Log Likelihood | | 447.4264 | |
| Full Log Likelihood | | -1944.9206 | |
| AIC (smaller is better) | | 3897.8412 | |
| AICC (smaller is better) | | 3897.8814 | |
| BIC (smaller is better) | | 3917.4723 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008445 | -0.000559 | 0.0000260 | -0.000287 |
| Prm2 | -0.000559 | 0.001312 | -0.000061 | -3.831E-6 |
| Prm3 | 0.0000260 | -0.000061 | 0.0002908 | -0.000033 |
| Prm4 | -0.000287 | -3.831E-6 | -0.000033 | 0.0002936 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1804 | 0.0291 | 1.1234 | 1.2373 | 1649.74 | <.0001 |
| A | 1 | 0.0019 | 0.0362 | -0.0691 | 0.0729 | 0.00 | 0.9579 |
| M_cont | 1 | -0.0015 | 0.0171 | -0.0349 | 0.0320 | 0.01 | 0.9313 |
| C | 1 | -0.0384 | 0.0171 | -0.0720 | -0.0048 | 5.02 | 0.0251 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05021 | -0.086970 | 0.20569 | 0.11421 |
| 2 | 1.05021 | 0.003002 | -0.00192 | -0.00103 |
| 3 | 1.05021 | -0.001920 | 0.00449 | -0.00003 |
| 4 | 1.05021 | -0.001026 | -0.00003 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA149 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1122.8434 | 1.1274 |
| Scaled Deviance | 996 | 1122.8434 | 1.1274 |
| Pearson Chi-Square | 996 | 1049.2438 | 1.0535 |
| Scaled Pearson X2 | 996 | 1049.2438 | 1.0535 |
| Log Likelihood | | 416.9271 | |
| Full Log Likelihood | | -1964.2939 | |
| AIC (smaller is better) | | 3936.5878 | |
| AICC (smaller is better) | | 3936.6280 | |
| BIC (smaller is better) | | 3956.2188 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008614 | -0.000561 | 0.0000445 | -0.000312 |
| Prm2 | -0.000561 | 0.001340 | -0.000064 | 7.2512E-6 |
| Prm3 | 0.0000445 | -0.000064 | 0.0003018 | -0.000034 |
| Prm4 | -0.000312 | 7.2512E-6 | -0.000034 | 0.0003139 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2122 | 0.0293 | 1.1546 | 1.2697 | 1705.80 | <.0001 |
| A | 1 | -0.0718 | 0.0366 | -0.1436 | -0.0000 | 3.85 | 0.0498 |
| M_cont | 1 | 0.0238 | 0.0174 | -0.0102 | 0.0579 | 1.88 | 0.1699 |
| C | 1 | -0.0498 | 0.0177 | -0.0845 | -0.0150 | 7.89 | 0.0050 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03655 | -0.17402 | 0.21131 | 0.11520 |
| 2 | 1.03655 | 0.00302 | -0.00190 | -0.00108 |
| 3 | 1.03655 | -0.00190 | 0.00438 | 0.00001 |
| 4 | 1.03655 | -0.00108 | 0.00001 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA150 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1086.5194 | 1.0909 |
| Scaled Deviance | 996 | 1086.5194 | 1.0909 |
| Pearson Chi-Square | 996 | 1041.9442 | 1.0461 |
| Scaled Pearson X2 | 996 | 1041.9442 | 1.0461 |
| Log Likelihood | | 323.7740 | |
| Full Log Likelihood | | -1939.8386 | |
| AIC (smaller is better) | | 3887.6772 | |
| AICC (smaller is better) | | 3887.7174 | |
| BIC (smaller is better) | | 3907.3082 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009351 | -0.000619 | 0.0000590 | -0.000320 |
| Prm2 | -0.000619 | 0.001346 | -0.000059 | 9.0322E-6 |
| Prm3 | 0.0000590 | -0.000059 | 0.0002797 | -0.000040 |
| Prm4 | -0.000320 | 9.0322E-6 | -0.000040 | 0.0003131 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1160 | 0.0306 | 1.0561 | 1.1759 | 1331.89 | <.0001 |
| A | 1 | 0.0004 | 0.0367 | -0.0715 | 0.0723 | 0.00 | 0.9923 |
| M_cont | 1 | -0.0105 | 0.0167 | -0.0433 | 0.0223 | 0.39 | 0.5299 |
| C | 1 | -0.0087 | 0.0177 | -0.0434 | 0.0260 | 0.24 | 0.6225 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08863 | -0.19922 | 0.21215 | 0.14248 |
| 2 | 1.08863 | 0.00334 | -0.00218 | -0.00113 |
| 3 | 1.08863 | -0.00218 | 0.00478 | 0.00001 |
| 4 | 1.08863 | -0.00113 | 0.00001 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA151 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.6663 | 1.0629 |
| Scaled Deviance | 996 | 1058.6663 | 1.0629 |
| Pearson Chi-Square | 996 | 996.4839 | 1.0005 |
| Scaled Pearson X2 | 996 | 996.4839 | 1.0005 |
| Log Likelihood | | 407.7307 | |
| Full Log Likelihood | | -1939.6466 | |
| AIC (smaller is better) | | 3887.2932 | |
| AICC (smaller is better) | | 3887.3334 | |
| BIC (smaller is better) | | 3906.9243 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008547 | -0.000581 | 0.0000202 | -0.000300 |
| Prm2 | -0.000581 | 0.001319 | -0.000032 | 0.0000154 |
| Prm3 | 0.0000202 | -0.000032 | 0.0002951 | -0.000053 |
| Prm4 | -0.000300 | 0.0000154 | -0.000053 | 0.0003185 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1767 | 0.0292 | 1.1194 | 1.2340 | 1620.03 | <.0001 |
| A | 1 | -0.0129 | 0.0363 | -0.0841 | 0.0583 | 0.13 | 0.7219 |
| M_cont | 1 | 0.0358 | 0.0172 | 0.0021 | 0.0695 | 4.34 | 0.0372 |
| C | 1 | -0.0474 | 0.0178 | -0.0823 | -0.0124 | 7.04 | 0.0080 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05082 | -0.10666 | 0.10508 | 0.18041 |
| 2 | 1.05082 | 0.00302 | -0.00200 | -0.00106 |
| 3 | 1.05082 | -0.00200 | 0.00449 | 0.00005 |
| 4 | 1.05082 | -0.00106 | 0.00005 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA152 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 964.0264 | 0.9679 |
| Scaled Deviance | 996 | 964.0264 | 0.9679 |
| Pearson Chi-Square | 996 | 906.4424 | 0.9101 |
| Scaled Pearson X2 | 996 | 906.4424 | 0.9101 |
| Log Likelihood | | 463.2854 | |
| Full Log Likelihood | | -1910.1748 | |
| AIC (smaller is better) | | 3828.3496 | |
| AICC (smaller is better) | | 3828.3898 | |
| BIC (smaller is better) | | 3847.9806 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008452 | -0.000535 | 0.0000473 | -0.000322 |
| Prm2 | -0.000535 | 0.001351 | -0.000065 | 0.0000121 |
| Prm3 | 0.0000473 | -0.000065 | 0.0002748 | -0.000042 |
| Prm4 | -0.000322 | 0.0000121 | -0.000042 | 0.0003201 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2171 | 0.0291 | 1.1601 | 1.2741 | 1752.50 | <.0001 |
| A | 1 | -0.0736 | 0.0368 | -0.1456 | -0.0015 | 4.00 | 0.0454 |
| M_cont | 1 | -0.0001 | 0.0166 | -0.0326 | 0.0324 | 0.00 | 0.9961 |
| C | 1 | -0.0410 | 0.0179 | -0.0761 | -0.0060 | 5.26 | 0.0218 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08167 | -0.16893 | 0.23013 | 0.15171 |
| 2 | 1.08167 | 0.00324 | -0.00199 | -0.00121 |
| 3 | 1.08167 | -0.00199 | 0.00484 | 0.00002 |
| 4 | 1.08167 | -0.00121 | 0.00002 | 0.00115 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA153 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1020.7772 | 1.0249 |
| Scaled Deviance | 996 | 1020.7772 | 1.0249 |
| Pearson Chi-Square | 996 | 934.6423 | 0.9384 |
| Scaled Pearson X2 | 996 | 934.6423 | 0.9384 |
| Log Likelihood | | 266.8909 | |
| Full Log Likelihood | | -1897.4324 | |
| AIC (smaller is better) | | 3802.8647 | |
| AICC (smaller is better) | | 3802.9049 | |
| BIC (smaller is better) | | 3822.4958 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009626 | -0.000642 | 0.0000475 | -0.000357 |
| Prm2 | -0.000642 | 0.001370 | -0.000034 | 0.0000375 |
| Prm3 | 0.0000475 | -0.000034 | 0.0003316 | -0.000046 |
| Prm4 | -0.000357 | 0.0000375 | -0.000046 | 0.0003559 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1217 | 0.0310 | 1.0609 | 1.1825 | 1307.13 | <.0001 |
| A | 1 | -0.0189 | 0.0370 | -0.0914 | 0.0537 | 0.26 | 0.6099 |
| M_cont | 1 | -0.0192 | 0.0182 | -0.0549 | 0.0165 | 1.11 | 0.2912 |
| C | 1 | -0.0237 | 0.0189 | -0.0607 | 0.0132 | 1.58 | 0.2081 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01108 | -0.12855 | 0.10326 | 0.14386 |
| 2 | 1.01108 | 0.00297 | -0.00196 | -0.00109 |
| 3 | 1.01108 | -0.00196 | 0.00414 | 0.00010 |
| 4 | 1.01108 | -0.00109 | 0.00010 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA154 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1055.8872 | 1.0601 |
| Scaled Deviance | 996 | 1055.8872 | 1.0601 |
| Pearson Chi-Square | 996 | 988.2835 | 0.9923 |
| Scaled Pearson X2 | 996 | 988.2835 | 0.9923 |
| Log Likelihood | | 422.0943 | |
| Full Log Likelihood | | -1941.0646 | |
| AIC (smaller is better) | | 3890.1292 | |
| AICC (smaller is better) | | 3890.1694 | |
| BIC (smaller is better) | | 3909.7602 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008986 | -0.000579 | 0.0000713 | -0.000323 |
| Prm2 | -0.000579 | 0.001312 | -0.000027 | 0.0000113 |
| Prm3 | 0.0000713 | -0.000027 | 0.0003094 | -0.000062 |
| Prm4 | -0.000323 | 0.0000113 | -0.000062 | 0.0003149 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1895 | 0.0300 | 1.1308 | 1.2483 | 1574.71 | <.0001 |
| A | 1 | -0.0176 | 0.0362 | -0.0886 | 0.0534 | 0.24 | 0.6266 |
| M_cont | 1 | 0.0087 | 0.0176 | -0.0258 | 0.0432 | 0.25 | 0.6200 |
| C | 1 | -0.0457 | 0.0177 | -0.0805 | -0.0110 | 6.64 | 0.0100 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02054 | -0.23988 | 0.083281 | 0.20066 |
| 2 | 1.02054 | 0.00297 | -0.001881 | -0.00105 |
| 3 | 1.02054 | -0.00188 | 0.004234 | 0.00003 |
| 4 | 1.02054 | -0.00105 | 0.000029 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA155 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1025.6664 | 1.0298 |
| Scaled Deviance | 996 | 1025.6664 | 1.0298 |
| Pearson Chi-Square | 996 | 977.0729 | 0.9810 |
| Scaled Pearson X2 | 996 | 977.0729 | 0.9810 |
| Log Likelihood | | 498.3040 | |
| Full Log Likelihood | | -1941.7003 | |
| AIC (smaller is better) | | 3891.4005 | |
| AICC (smaller is better) | | 3891.4407 | |
| BIC (smaller is better) | | 3911.0316 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008510 | -0.000533 | 0.0000476 | -0.000313 |
| Prm2 | -0.000533 | 0.001310 | -0.000068 | -0.000011 |
| Prm3 | 0.0000476 | -0.000068 | 0.0002910 | -0.000041 |
| Prm4 | -0.000313 | -0.000011 | -0.000041 | 0.0003187 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2141 | 0.0292 | 1.1569 | 1.2713 | 1732.07 | <.0001 |
| A | 1 | -0.0236 | 0.0362 | -0.0945 | 0.0474 | 0.42 | 0.5148 |
| M_cont | 1 | -0.0084 | 0.0171 | -0.0418 | 0.0250 | 0.24 | 0.6229 |
| C | 1 | -0.0463 | 0.0179 | -0.0813 | -0.0113 | 6.72 | 0.0095 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04195 | -0.16485 | 0.23933 | 0.14959 |
| 2 | 1.04195 | 0.00304 | -0.00183 | -0.00111 |
| 3 | 1.04195 | -0.00183 | 0.00444 | -0.00006 |
| 4 | 1.04195 | -0.00111 | -0.00006 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA156 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 949.8028 | 0.9536 |
| Scaled Deviance | 996 | 949.8028 | 0.9536 |
| Pearson Chi-Square | 996 | 920.7506 | 0.9244 |
| Scaled Pearson X2 | 996 | 920.7506 | 0.9244 |
| Log Likelihood | | 409.3260 | |
| Full Log Likelihood | | -1898.8054 | |
| AIC (smaller is better) | | 3805.6108 | |
| AICC (smaller is better) | | 3805.6510 | |
| BIC (smaller is better) | | 3825.2418 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008862 | -0.000584 | 0.0000294 | -0.000305 |
| Prm2 | -0.000584 | 0.001312 | -0.000014 | 7.5527E-6 |
| Prm3 | 0.0000294 | -0.000014 | 0.0002832 | -0.000037 |
| Prm4 | -0.000305 | 7.5527E-6 | -0.000037 | 0.0003006 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2075 | 0.0298 | 1.1491 | 1.2658 | 1645.13 | <.0001 |
| A | 1 | -0.0179 | 0.0362 | -0.0889 | 0.0531 | 0.24 | 0.6209 |
| M_cont | 1 | 0.0000 | 0.0168 | -0.0329 | 0.0330 | 0.00 | 0.9977 |
| C | 1 | -0.0667 | 0.0173 | -0.1007 | -0.0327 | 14.81 | 0.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07215 | -0.10793 | 0.052812 | 0.13279 |
| 2 | 1.07215 | 0.00334 | -0.002113 | -0.00115 |
| 3 | 1.07215 | -0.00211 | 0.004658 | 0.00004 |
| 4 | 1.07215 | -0.00115 | 0.000041 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA157 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1116.0646 | 1.1205 |
| Scaled Deviance | 996 | 1116.0646 | 1.1205 |
| Pearson Chi-Square | 996 | 1066.4380 | 1.0707 |
| Scaled Pearson X2 | 996 | 1066.4380 | 1.0707 |
| Log Likelihood | | 454.9993 | |
| Full Log Likelihood | | -1970.4136 | |
| AIC (smaller is better) | | 3948.8273 | |
| AICC (smaller is better) | | 3948.8675 | |
| BIC (smaller is better) | | 3968.4583 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008772 | -0.000551 | 0.0000546 | -0.000328 |
| Prm2 | -0.000551 | 0.001311 | -0.000049 | -5.518E-6 |
| Prm3 | 0.0000546 | -0.000049 | 0.0002939 | -0.000056 |
| Prm4 | -0.000328 | -5.518E-6 | -0.000056 | 0.0003346 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1892 | 0.0296 | 1.1312 | 1.2473 | 1612.21 | <.0001 |
| A | 1 | 0.0151 | 0.0362 | -0.0559 | 0.0861 | 0.17 | 0.6763 |
| M_cont | 1 | 0.0206 | 0.0171 | -0.0130 | 0.0542 | 1.45 | 0.2288 |
| C | 1 | -0.0523 | 0.0183 | -0.0881 | -0.0164 | 8.17 | 0.0042 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04257 | -0.21583 | 0.17060 | 0.19797 |
| 2 | 1.04257 | 0.00306 | -0.00183 | -0.00114 |
| 3 | 1.04257 | -0.00183 | 0.00446 | -0.00005 |
| 4 | 1.04257 | -0.00114 | -0.00005 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA158 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1037.8543 | 1.0420 |
| Scaled Deviance | 996 | 1037.8543 | 1.0420 |
| Pearson Chi-Square | 996 | 984.2410 | 0.9882 |
| Scaled Pearson X2 | 996 | 984.2410 | 0.9882 |
| Log Likelihood | | 545.5852 | |
| Full Log Likelihood | | -1952.5268 | |
| AIC (smaller is better) | | 3913.0536 | |
| AICC (smaller is better) | | 3913.0938 | |
| BIC (smaller is better) | | 3932.6846 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008481 | -0.000531 | 0.0000435 | -0.000328 |
| Prm2 | -0.000531 | 0.001327 | -0.000014 | 0.0000304 |
| Prm3 | 0.0000435 | -0.000014 | 0.0002973 | -0.000053 |
| Prm4 | -0.000328 | 0.0000304 | -0.000053 | 0.0003093 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2401 | 0.0291 | 1.1830 | 1.2971 | 1813.17 | <.0001 |
| A | 1 | -0.0885 | 0.0364 | -0.1599 | -0.0171 | 5.90 | 0.0151 |
| M_cont | 1 | 0.0028 | 0.0172 | -0.0310 | 0.0366 | 0.03 | 0.8707 |
| C | 1 | -0.0360 | 0.0176 | -0.0705 | -0.0015 | 4.19 | 0.0407 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02625 | -0.14976 | 0.044975 | 0.18091 |
| 2 | 1.02625 | 0.00301 | -0.001863 | -0.00113 |
| 3 | 1.02625 | -0.00186 | 0.004410 | 0.00011 |
| 4 | 1.02625 | -0.00113 | 0.000105 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA159 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1029.0076 | 1.0331 |
| Scaled Deviance | 996 | 1029.0076 | 1.0331 |
| Pearson Chi-Square | 996 | 973.3697 | 0.9773 |
| Scaled Pearson X2 | 996 | 973.3697 | 0.9773 |
| Log Likelihood | | 448.3395 | |
| Full Log Likelihood | | -1935.1796 | |
| AIC (smaller is better) | | 3878.3592 | |
| AICC (smaller is better) | | 3878.3994 | |
| BIC (smaller is better) | | 3897.9902 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007804 | -0.000505 | 0.0000558 | -0.000281 |
| Prm2 | -0.000505 | 0.001363 | -0.000055 | -0.000013 |
| Prm3 | 0.0000558 | -0.000055 | 0.0003114 | -0.000048 |
| Prm4 | -0.000281 | -0.000013 | -0.000048 | 0.0002993 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1755 | 0.0279 | 1.1207 | 1.2303 | 1770.70 | <.0001 |
| A | 1 | -0.0385 | 0.0369 | -0.1108 | 0.0339 | 1.09 | 0.2976 |
| M_cont | 1 | -0.0015 | 0.0176 | -0.0360 | 0.0331 | 0.01 | 0.9344 |
| C | 1 | -0.0185 | 0.0173 | -0.0524 | 0.0154 | 1.14 | 0.2858 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01422 | -0.17805 | 0.17742 | 0.15331 |
| 2 | 1.01422 | 0.00255 | -0.00162 | -0.00090 |
| 3 | 1.01422 | -0.00162 | 0.00432 | -0.00007 |
| 4 | 1.01422 | -0.00090 | -0.00007 | 0.00094 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA160 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1070.2127 | 1.0745 |
| Scaled Deviance | 996 | 1070.2127 | 1.0745 |
| Pearson Chi-Square | 996 | 994.5019 | 0.9985 |
| Scaled Pearson X2 | 996 | 994.5019 | 0.9985 |
| Log Likelihood | | 393.5962 | |
| Full Log Likelihood | | -1936.9827 | |
| AIC (smaller is better) | | 3881.9655 | |
| AICC (smaller is better) | | 3882.0057 | |
| BIC (smaller is better) | | 3901.5965 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008519 | -0.000545 | 0.0000500 | -0.000331 |
| Prm2 | -0.000545 | 0.001373 | -0.000045 | 0.0000150 |
| Prm3 | 0.0000500 | -0.000045 | 0.0003075 | -0.000059 |
| Prm4 | -0.000331 | 0.0000150 | -0.000059 | 0.0003414 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2174 | 0.0292 | 1.1602 | 1.2746 | 1739.59 | <.0001 |
| A | 1 | -0.1299 | 0.0371 | -0.2025 | -0.0572 | 12.28 | 0.0005 |
| M_cont | 1 | 0.0211 | 0.0175 | -0.0133 | 0.0554 | 1.45 | 0.2293 |
| C | 1 | -0.0422 | 0.0185 | -0.0785 | -0.0060 | 5.23 | 0.0222 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03337 | -0.17743 | 0.13782 | 0.18778 |
| 2 | 1.03337 | 0.00294 | -0.00186 | -0.00109 |
| 3 | 1.03337 | -0.00186 | 0.00439 | 0.00002 |
| 4 | 1.03337 | -0.00109 | 0.00002 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA161 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1091.2049 | 1.0956 |
| Scaled Deviance | 996 | 1091.2049 | 1.0956 |
| Pearson Chi-Square | 996 | 1018.2306 | 1.0223 |
| Scaled Pearson X2 | 996 | 1018.2306 | 1.0223 |
| Log Likelihood | | 303.4988 | |
| Full Log Likelihood | | -1931.8950 | |
| AIC (smaller is better) | | 3871.7900 | |
| AICC (smaller is better) | | 3871.8302 | |
| BIC (smaller is better) | | 3891.4211 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008836 | -0.000583 | 0.0000704 | -0.000318 |
| Prm2 | -0.000583 | 0.001395 | -0.000085 | 0.0000135 |
| Prm3 | 0.0000704 | -0.000085 | 0.0003441 | -0.000061 |
| Prm4 | -0.000318 | 0.0000135 | -0.000061 | 0.0003204 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1750 | 0.0297 | 1.1168 | 1.2333 | 1562.52 | <.0001 |
| A | 1 | -0.0598 | 0.0374 | -0.1330 | 0.0134 | 2.56 | 0.1093 |
| M_cont | 1 | 0.0228 | 0.0186 | -0.0135 | 0.0592 | 1.51 | 0.2188 |
| C | 1 | -0.0514 | 0.0179 | -0.0865 | -0.0163 | 8.25 | 0.0041 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.98791 | -0.22042 | 0.23375 | 0.17603 |
| 2 | 0.98791 | 0.00268 | -0.00170 | -0.00094 |
| 3 | 0.98791 | -0.00170 | 0.00399 | -0.00000 |
| 4 | 0.98791 | -0.00094 | -0.00000 | 0.00091 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA162 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 987.8512 | 0.9918 |
| Scaled Deviance | 996 | 987.8512 | 0.9918 |
| Pearson Chi-Square | 996 | 925.4295 | 0.9291 |
| Scaled Pearson X2 | 996 | 925.4295 | 0.9291 |
| Log Likelihood | | 380.4561 | |
| Full Log Likelihood | | -1906.2905 | |
| AIC (smaller is better) | | 3820.5809 | |
| AICC (smaller is better) | | 3820.6211 | |
| BIC (smaller is better) | | 3840.2120 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008845 | -0.000541 | 0.0000271 | -0.000335 |
| Prm2 | -0.000541 | 0.001379 | -0.000041 | 0.0000135 |
| Prm3 | 0.0000271 | -0.000041 | 0.0002891 | -0.000048 |
| Prm4 | -0.000335 | 0.0000135 | -0.000048 | 0.0003177 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1861 | 0.0297 | 1.1278 | 1.2443 | 1590.42 | <.0001 |
| A | 1 | -0.0583 | 0.0371 | -0.1311 | 0.0145 | 2.46 | 0.1166 |
| M_cont | 1 | 0.0093 | 0.0170 | -0.0241 | 0.0426 | 0.30 | 0.5855 |
| C | 1 | -0.0388 | 0.0178 | -0.0737 | -0.0038 | 4.73 | 0.0296 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06367 | -0.10204 | 0.13675 | 0.16524 |
| 2 | 1.06367 | 0.00320 | -0.00191 | -0.00119 |
| 3 | 1.06367 | -0.00191 | 0.00472 | 0.00003 |
| 4 | 1.06367 | -0.00119 | 0.00003 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA163 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1012.2460 | 1.0163 |
| Scaled Deviance | 996 | 1012.2460 | 1.0163 |
| Pearson Chi-Square | 996 | 963.0440 | 0.9669 |
| Scaled Pearson X2 | 996 | 963.0440 | 0.9669 |
| Log Likelihood | | 325.3706 | |
| Full Log Likelihood | | -1908.3913 | |
| AIC (smaller is better) | | 3824.7827 | |
| AICC (smaller is better) | | 3824.8229 | |
| BIC (smaller is better) | | 3844.4137 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008599 | -0.000573 | 0.0000486 | -0.000304 |
| Prm2 | -0.000573 | 0.001378 | -0.000046 | 0.0000180 |
| Prm3 | 0.0000486 | -0.000046 | 0.0003268 | -0.000055 |
| Prm4 | -0.000304 | 0.0000180 | -0.000055 | 0.0003040 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1522 | 0.0293 | 1.0947 | 1.2096 | 1543.72 | <.0001 |
| A | 1 | -0.0495 | 0.0371 | -0.1223 | 0.0232 | 1.78 | 0.1822 |
| M_cont | 1 | 0.0115 | 0.0181 | -0.0239 | 0.0469 | 0.41 | 0.5245 |
| C | 1 | -0.0256 | 0.0174 | -0.0598 | 0.0085 | 2.16 | 0.1413 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00844 | -0.16181 | 0.14053 | 0.16900 |
| 2 | 1.00844 | 0.00271 | -0.00178 | -0.00094 |
| 3 | 1.00844 | -0.00178 | 0.00418 | 0.00004 |
| 4 | 1.00844 | -0.00094 | 0.00004 | 0.00091 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA164 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1040.9222 | 1.0451 |
| Scaled Deviance | 996 | 1040.9222 | 1.0451 |
| Pearson Chi-Square | 996 | 984.0238 | 0.9880 |
| Scaled Pearson X2 | 996 | 984.0238 | 0.9880 |
| Log Likelihood | | 334.0823 | |
| Full Log Likelihood | | -1919.9838 | |
| AIC (smaller is better) | | 3847.9676 | |
| AICC (smaller is better) | | 3848.0078 | |
| BIC (smaller is better) | | 3867.5986 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009189 | -0.000584 | 0.0000328 | -0.000335 |
| Prm2 | -0.000584 | 0.001352 | -0.000037 | 0.0000103 |
| Prm3 | 0.0000328 | -0.000037 | 0.0002884 | -0.000057 |
| Prm4 | -0.000335 | 0.0000103 | -0.000057 | 0.0003301 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1702 | 0.0303 | 1.1108 | 1.2296 | 1490.36 | <.0001 |
| A | 1 | -0.0757 | 0.0368 | -0.1478 | -0.0036 | 4.24 | 0.0396 |
| M_cont | 1 | 0.0248 | 0.0170 | -0.0084 | 0.0581 | 2.14 | 0.1435 |
| C | 1 | -0.0304 | 0.0182 | -0.0660 | 0.0052 | 2.80 | 0.0940 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07439 | -0.14463 | 0.12864 | 0.20144 |
| 2 | 1.07439 | 0.00334 | -0.00210 | -0.00118 |
| 3 | 1.07439 | -0.00210 | 0.00467 | 0.00002 |
| 4 | 1.07439 | -0.00118 | 0.00002 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA165 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1099.9985 | 1.1044 |
| Scaled Deviance | 996 | 1099.9985 | 1.1044 |
| Pearson Chi-Square | 996 | 1023.8755 | 1.0280 |
| Scaled Pearson X2 | 996 | 1023.8755 | 1.0280 |
| Log Likelihood | | 288.5547 | |
| Full Log Likelihood | | -1933.8894 | |
| AIC (smaller is better) | | 3875.7789 | |
| AICC (smaller is better) | | 3875.8191 | |
| BIC (smaller is better) | | 3895.4099 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008279 | -0.000541 | 0.0000518 | -0.000292 |
| Prm2 | -0.000541 | 0.001406 | -0.000048 | -0.000017 |
| Prm3 | 0.0000518 | -0.000048 | 0.0002951 | -0.000042 |
| Prm4 | -0.000292 | -0.000017 | -0.000042 | 0.0003130 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1432 | 0.0288 | 1.0868 | 1.1996 | 1578.62 | <.0001 |
| A | 1 | -0.0358 | 0.0375 | -0.1093 | 0.0377 | 0.91 | 0.3399 |
| M_cont | 1 | -0.0065 | 0.0172 | -0.0402 | 0.0271 | 0.14 | 0.7041 |
| C | 1 | -0.0338 | 0.0177 | -0.0684 | 0.0009 | 3.64 | 0.0563 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06872 | -0.17315 | 0.16396 | 0.14576 |
| 2 | 1.06872 | 0.00291 | -0.00185 | -0.00101 |
| 3 | 1.06872 | -0.00185 | 0.00474 | -0.00007 |
| 4 | 1.06872 | -0.00101 | -0.00007 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA166 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1080.2757 | 1.0846 |
| Scaled Deviance | 996 | 1080.2757 | 1.0846 |
| Pearson Chi-Square | 996 | 1024.8436 | 1.0290 |
| Scaled Pearson X2 | 996 | 1024.8436 | 1.0290 |
| Log Likelihood | | 323.2401 | |
| Full Log Likelihood | | -1933.5785 | |
| AIC (smaller is better) | | 3875.1570 | |
| AICC (smaller is better) | | 3875.1972 | |
| BIC (smaller is better) | | 3894.7880 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008161 | -0.000512 | 0.0000564 | -0.000306 |
| Prm2 | -0.000512 | 0.001434 | -0.000070 | -0.000021 |
| Prm3 | 0.0000564 | -0.000070 | 0.0003284 | -0.000047 |
| Prm4 | -0.000306 | -0.000021 | -0.000047 | 0.0003265 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1796 | 0.0286 | 1.1236 | 1.2356 | 1705.14 | <.0001 |
| A | 1 | -0.0755 | 0.0379 | -0.1497 | -0.0013 | 3.98 | 0.0462 |
| M_cont | 1 | 0.0341 | 0.0181 | -0.0014 | 0.0696 | 3.54 | 0.0601 |
| C | 1 | -0.0475 | 0.0181 | -0.0829 | -0.0121 | 6.90 | 0.0086 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00661 | -0.20223 | 0.21182 | 0.13932 |
| 2 | 1.00661 | 0.00260 | -0.00158 | -0.00095 |
| 3 | 1.00661 | -0.00158 | 0.00427 | -0.00009 |
| 4 | 1.00661 | -0.00095 | -0.00009 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA167 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 990.0637 | 0.9940 |
| Scaled Deviance | 996 | 990.0637 | 0.9940 |
| Pearson Chi-Square | 996 | 943.0709 | 0.9469 |
| Scaled Pearson X2 | 996 | 943.0709 | 0.9469 |
| Log Likelihood | | 425.1579 | |
| Full Log Likelihood | | -1913.9337 | |
| AIC (smaller is better) | | 3835.8675 | |
| AICC (smaller is better) | | 3835.9077 | |
| BIC (smaller is better) | | 3855.4985 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008464 | -0.000569 | 0.0000214 | -0.000303 |
| Prm2 | -0.000569 | 0.001340 | -0.000056 | 0.0000266 |
| Prm3 | 0.0000214 | -0.000056 | 0.0003158 | -0.000043 |
| Prm4 | -0.000303 | 0.0000266 | -0.000043 | 0.0003066 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2263 | 0.0291 | 1.1693 | 1.2834 | 1776.74 | <.0001 |
| A | 1 | -0.0938 | 0.0366 | -0.1656 | -0.0221 | 6.57 | 0.0104 |
| M_cont | 1 | 0.0294 | 0.0178 | -0.0055 | 0.0642 | 2.73 | 0.0986 |
| C | 1 | -0.0567 | 0.0175 | -0.0910 | -0.0223 | 10.47 | 0.0012 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01433 | -0.086612 | 0.16604 | 0.12931 |
| 2 | 1.01433 | 0.002876 | -0.00188 | -0.00101 |
| 3 | 1.01433 | -0.001879 | 0.00420 | 0.00006 |
| 4 | 1.01433 | -0.001010 | 0.00006 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA168 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1091.7120 | 1.0961 |
| Scaled Deviance | 996 | 1091.7120 | 1.0961 |
| Pearson Chi-Square | 996 | 1049.5798 | 1.0538 |
| Scaled Pearson X2 | 996 | 1049.5798 | 1.0538 |
| Log Likelihood | | 305.4780 | |
| Full Log Likelihood | | -1936.9363 | |
| AIC (smaller is better) | | 3881.8726 | |
| AICC (smaller is better) | | 3881.9128 | |
| BIC (smaller is better) | | 3901.5036 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008553 | -0.000584 | 0.0000377 | -0.000305 |
| Prm2 | -0.000584 | 0.001395 | -0.000062 | 0.0000261 |
| Prm3 | 0.0000377 | -0.000062 | 0.0002957 | -0.000046 |
| Prm4 | -0.000305 | 0.0000261 | -0.000046 | 0.0003151 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1726 | 0.0292 | 1.1153 | 1.2300 | 1607.63 | <.0001 |
| A | 1 | -0.0651 | 0.0373 | -0.1383 | 0.0081 | 3.04 | 0.0814 |
| M_cont | 1 | -0.0083 | 0.0172 | -0.0420 | 0.0254 | 0.24 | 0.6276 |
| C | 1 | -0.0460 | 0.0178 | -0.0808 | -0.0112 | 6.70 | 0.0096 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06456 | -0.12148 | 0.21403 | 0.15818 |
| 2 | 1.06456 | 0.00306 | -0.00203 | -0.00108 |
| 3 | 1.06456 | -0.00203 | 0.00465 | 0.00007 |
| 4 | 1.06456 | -0.00108 | 0.00007 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA169 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 980.5765 | 0.9845 |
| Scaled Deviance | 996 | 980.5765 | 0.9845 |
| Pearson Chi-Square | 996 | 919.7947 | 0.9235 |
| Scaled Pearson X2 | 996 | 919.7947 | 0.9235 |
| Log Likelihood | | 431.6964 | |
| Full Log Likelihood | | -1913.2081 | |
| AIC (smaller is better) | | 3834.4161 | |
| AICC (smaller is better) | | 3834.4563 | |
| BIC (smaller is better) | | 3854.0472 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009168 | -0.000611 | 0.0000481 | -0.000322 |
| Prm2 | -0.000611 | 0.001310 | -0.000048 | 0.0000348 |
| Prm3 | 0.0000481 | -0.000048 | 0.0002848 | -0.000055 |
| Prm4 | -0.000322 | 0.0000348 | -0.000055 | 0.0003036 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1905 | 0.0303 | 1.1312 | 1.2499 | 1545.92 | <.0001 |
| A | 1 | -0.0307 | 0.0362 | -0.1016 | 0.0402 | 0.72 | 0.3963 |
| M_cont | 1 | 0.0132 | 0.0169 | -0.0198 | 0.0463 | 0.61 | 0.4330 |
| C | 1 | -0.0388 | 0.0174 | -0.0729 | -0.0046 | 4.96 | 0.0260 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06382 | -0.18248 | 0.16513 | 0.19270 |
| 2 | 1.06382 | 0.00333 | -0.00216 | -0.00115 |
| 3 | 1.06382 | -0.00216 | 0.00458 | 0.00010 |
| 4 | 1.06382 | -0.00115 | 0.00010 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA170 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1075.7218 | 1.0800 |
| Scaled Deviance | 996 | 1075.7218 | 1.0800 |
| Pearson Chi-Square | 996 | 1008.9615 | 1.0130 |
| Scaled Pearson X2 | 996 | 1008.9615 | 1.0130 |
| Log Likelihood | | 367.8599 | |
| Full Log Likelihood | | -1938.0752 | |
| AIC (smaller is better) | | 3884.1504 | |
| AICC (smaller is better) | | 3884.1906 | |
| BIC (smaller is better) | | 3903.7814 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008473 | -0.000538 | 0.0000687 | -0.000310 |
| Prm2 | -0.000538 | 0.001370 | -0.000043 | -9.334E-6 |
| Prm3 | 0.0000687 | -0.000043 | 0.0003134 | -0.000058 |
| Prm4 | -0.000310 | -9.334E-6 | -0.000058 | 0.0003186 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2061 | 0.0291 | 1.1490 | 1.2631 | 1716.63 | <.0001 |
| A | 1 | -0.0762 | 0.0370 | -0.1487 | -0.0036 | 4.24 | 0.0395 |
| M_cont | 1 | 0.0304 | 0.0177 | -0.0043 | 0.0651 | 2.95 | 0.0857 |
| C | 1 | -0.0565 | 0.0178 | -0.0915 | -0.0215 | 10.02 | 0.0015 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02512 | -0.24968 | 0.13463 | 0.18422 |
| 2 | 1.02512 | 0.00284 | -0.00175 | -0.00101 |
| 3 | 1.02512 | -0.00175 | 0.00432 | -0.00005 |
| 4 | 1.02512 | -0.00101 | -0.00005 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA171 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1036.8464 | 1.0410 |
| Scaled Deviance | 996 | 1036.8464 | 1.0410 |
| Pearson Chi-Square | 996 | 979.7137 | 0.9836 |
| Scaled Pearson X2 | 996 | 979.7137 | 0.9836 |
| Log Likelihood | | 336.5579 | |
| Full Log Likelihood | | -1919.8298 | |
| AIC (smaller is better) | | 3847.6596 | |
| AICC (smaller is better) | | 3847.6998 | |
| BIC (smaller is better) | | 3867.2907 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008870 | -0.000568 | 0.0000577 | -0.000325 |
| Prm2 | -0.000568 | 0.001361 | -0.000033 | 3.9314E-6 |
| Prm3 | 0.0000577 | -0.000033 | 0.0003169 | -0.000065 |
| Prm4 | -0.000325 | 3.9314E-6 | -0.000065 | 0.0003285 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1740 | 0.0298 | 1.1156 | 1.2324 | 1553.88 | <.0001 |
| A | 1 | -0.0108 | 0.0369 | -0.0831 | 0.0615 | 0.09 | 0.7692 |
| M_cont | 1 | 0.0097 | 0.0178 | -0.0252 | 0.0446 | 0.29 | 0.5874 |
| C | 1 | -0.0593 | 0.0181 | -0.0948 | -0.0238 | 10.70 | 0.0011 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02079 | -0.19687 | 0.10204 | 0.21135 |
| 2 | 1.02079 | 0.00291 | -0.00180 | -0.00105 |
| 3 | 1.02079 | -0.00180 | 0.00428 | 0.00000 |
| 4 | 1.02079 | -0.00105 | 0.00000 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA172 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1045.6523 | 1.0499 |
| Scaled Deviance | 996 | 1045.6523 | 1.0499 |
| Pearson Chi-Square | 996 | 979.8574 | 0.9838 |
| Scaled Pearson X2 | 996 | 979.8574 | 0.9838 |
| Log Likelihood | | 361.0873 | |
| Full Log Likelihood | | -1926.5514 | |
| AIC (smaller is better) | | 3861.1028 | |
| AICC (smaller is better) | | 3861.1430 | |
| BIC (smaller is better) | | 3880.7338 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008426 | -0.000579 | 0.0000614 | -0.000287 |
| Prm2 | -0.000579 | 0.001333 | -0.000035 | -8.751E-6 |
| Prm3 | 0.0000614 | -0.000035 | 0.0003040 | -0.000064 |
| Prm4 | -0.000287 | -8.751E-6 | -0.000064 | 0.0003217 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1809 | 0.0290 | 1.1240 | 1.2378 | 1655.10 | <.0001 |
| A | 1 | -0.0234 | 0.0365 | -0.0949 | 0.0482 | 0.41 | 0.5221 |
| M_cont | 1 | 0.0070 | 0.0174 | -0.0271 | 0.0412 | 0.16 | 0.6865 |
| C | 1 | -0.0577 | 0.0179 | -0.0928 | -0.0225 | 10.34 | 0.0013 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04273 | -0.20874 | 0.11103 | 0.21225 |
| 2 | 1.04273 | 0.00290 | -0.00192 | -0.00098 |
| 3 | 1.04273 | -0.00192 | 0.00440 | -0.00005 |
| 4 | 1.04273 | -0.00098 | -0.00005 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA173 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1053.1405 | 1.0574 |
| Scaled Deviance | 996 | 1053.1405 | 1.0574 |
| Pearson Chi-Square | 996 | 977.5784 | 0.9815 |
| Scaled Pearson X2 | 996 | 977.5784 | 0.9815 |
| Log Likelihood | | 377.7707 | |
| Full Log Likelihood | | -1928.6325 | |
| AIC (smaller is better) | | 3865.2650 | |
| AICC (smaller is better) | | 3865.3052 | |
| BIC (smaller is better) | | 3884.8960 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008899 | -0.000640 | 0.0000348 | -0.000279 |
| Prm2 | -0.000640 | 0.001331 | -0.000073 | 0.0000309 |
| Prm3 | 0.0000348 | -0.000073 | 0.0002702 | -0.000037 |
| Prm4 | -0.000279 | 0.0000309 | -0.000037 | 0.0002772 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1724 | 0.0298 | 1.1139 | 1.2308 | 1544.51 | <.0001 |
| A | 1 | -0.0028 | 0.0365 | -0.0743 | 0.0687 | 0.01 | 0.9387 |
| M_cont | 1 | 0.0327 | 0.0164 | 0.0004 | 0.0649 | 3.95 | 0.0469 |
| C | 1 | -0.0537 | 0.0166 | -0.0863 | -0.0211 | 10.40 | 0.0013 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09881 | -0.16696 | 0.25824 | 0.13953 |
| 2 | 1.09881 | 0.00340 | -0.00234 | -0.00108 |
| 3 | 1.09881 | -0.00234 | 0.00486 | 0.00009 |
| 4 | 1.09881 | -0.00108 | 0.00009 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA174 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1074.7796 | 1.0791 |
| Scaled Deviance | 996 | 1074.7796 | 1.0791 |
| Pearson Chi-Square | 996 | 1025.5250 | 1.0296 |
| Scaled Pearson X2 | 996 | 1025.5250 | 1.0296 |
| Log Likelihood | | 337.8776 | |
| Full Log Likelihood | | -1933.5509 | |
| AIC (smaller is better) | | 3875.1017 | |
| AICC (smaller is better) | | 3875.1419 | |
| BIC (smaller is better) | | 3894.7328 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008717 | -0.000557 | 0.0000212 | -0.000303 |
| Prm2 | -0.000557 | 0.001359 | -0.000044 | -0.000014 |
| Prm3 | 0.0000212 | -0.000044 | 0.0002822 | -0.000027 |
| Prm4 | -0.000303 | -0.000014 | -0.000027 | 0.0003071 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1891 | 0.0295 | 1.1313 | 1.2470 | 1622.19 | <.0001 |
| A | 1 | -0.0215 | 0.0369 | -0.0938 | 0.0507 | 0.34 | 0.5593 |
| M_cont | 1 | -0.0060 | 0.0168 | -0.0389 | 0.0269 | 0.13 | 0.7210 |
| C | 1 | -0.0671 | 0.0175 | -0.1014 | -0.0327 | 14.64 | 0.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08527 | -0.073494 | 0.15180 | 0.10090 |
| 2 | 1.08527 | 0.003309 | -0.00201 | -0.00116 |
| 3 | 1.08527 | -0.002013 | 0.00481 | -0.00005 |
| 4 | 1.08527 | -0.001164 | -0.00005 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA175 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.4153 | 1.0707 |
| Scaled Deviance | 996 | 1066.4153 | 1.0707 |
| Pearson Chi-Square | 996 | 999.4958 | 1.0035 |
| Scaled Pearson X2 | 996 | 999.4958 | 1.0035 |
| Log Likelihood | | 483.4248 | |
| Full Log Likelihood | | -1954.1589 | |
| AIC (smaller is better) | | 3916.3178 | |
| AICC (smaller is better) | | 3916.3580 | |
| BIC (smaller is better) | | 3935.9488 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008744 | -0.000548 | 0.0000341 | -0.000327 |
| Prm2 | -0.000548 | 0.001327 | -0.000031 | 0.0000251 |
| Prm3 | 0.0000341 | -0.000031 | 0.0003184 | -0.000040 |
| Prm4 | -0.000327 | 0.0000251 | -0.000040 | 0.0003043 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1977 | 0.0296 | 1.1397 | 1.2557 | 1640.56 | <.0001 |
| A | 1 | -0.0477 | 0.0364 | -0.1191 | 0.0237 | 1.71 | 0.1906 |
| M_cont | 1 | -0.0025 | 0.0178 | -0.0374 | 0.0325 | 0.02 | 0.8897 |
| C | 1 | -0.0247 | 0.0174 | -0.0589 | 0.0095 | 2.01 | 0.1565 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99864 | -0.098778 | 0.091165 | 0.12126 |
| 2 | 0.99864 | 0.002839 | -0.001760 | -0.00105 |
| 3 | 0.99864 | -0.001760 | 0.004141 | 0.00007 |
| 4 | 0.99864 | -0.001048 | 0.000073 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA176 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1005.8784 | 1.0099 |
| Scaled Deviance | 996 | 1005.8784 | 1.0099 |
| Pearson Chi-Square | 996 | 954.6060 | 0.9584 |
| Scaled Pearson X2 | 996 | 954.6060 | 0.9584 |
| Log Likelihood | | 329.2032 | |
| Full Log Likelihood | | -1906.4343 | |
| AIC (smaller is better) | | 3820.8687 | |
| AICC (smaller is better) | | 3820.9089 | |
| BIC (smaller is better) | | 3840.4997 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008779 | -0.000612 | 0.0000900 | -0.000318 |
| Prm2 | -0.000612 | 0.001402 | -0.000090 | 0.0000487 |
| Prm3 | 0.0000900 | -0.000090 | 0.0003168 | -0.000058 |
| Prm4 | -0.000318 | 0.0000487 | -0.000058 | 0.0003157 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1957 | 0.0296 | 1.1376 | 1.2537 | 1628.41 | <.0001 |
| A | 1 | -0.0973 | 0.0374 | -0.1707 | -0.0239 | 6.76 | 0.0093 |
| M_cont | 1 | 0.0113 | 0.0178 | -0.0236 | 0.0462 | 0.40 | 0.5264 |
| C | 1 | -0.0503 | 0.0178 | -0.0851 | -0.0155 | 8.01 | 0.0046 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02577 | -0.30029 | 0.28511 | 0.18826 |
| 2 | 1.02577 | 0.00289 | -0.00195 | -0.00101 |
| 3 | 1.02577 | -0.00195 | 0.00432 | 0.00011 |
| 4 | 1.02577 | -0.00101 | 0.00011 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA177 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1043.0892 | 1.0473 |
| Scaled Deviance | 996 | 1043.0892 | 1.0473 |
| Pearson Chi-Square | 996 | 999.3004 | 1.0033 |
| Scaled Pearson X2 | 996 | 999.3004 | 1.0033 |
| Log Likelihood | | 347.8334 | |
| Full Log Likelihood | | -1925.0066 | |
| AIC (smaller is better) | | 3858.0132 | |
| AICC (smaller is better) | | 3858.0534 | |
| BIC (smaller is better) | | 3877.6442 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009218 | -0.000617 | 0.0000838 | -0.000345 |
| Prm2 | -0.000617 | 0.001374 | -0.000089 | 0.0000404 |
| Prm3 | 0.0000838 | -0.000089 | 0.0002963 | -0.000059 |
| Prm4 | -0.000345 | 0.0000404 | -0.000059 | 0.0003388 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1528 | 0.0304 | 1.0933 | 1.2123 | 1441.74 | <.0001 |
| A | 1 | -0.0077 | 0.0371 | -0.0803 | 0.0650 | 0.04 | 0.8356 |
| M_cont | 1 | -0.0064 | 0.0172 | -0.0401 | 0.0274 | 0.14 | 0.7109 |
| C | 1 | -0.0361 | 0.0184 | -0.0722 | -0.0000 | 3.84 | 0.0499 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05630 | -0.27762 | 0.30054 | 0.20082 |
| 2 | 1.05630 | 0.00314 | -0.00203 | -0.00115 |
| 3 | 1.05630 | -0.00203 | 0.00457 | 0.00008 |
| 4 | 1.05630 | -0.00115 | 0.00008 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA178 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.0503 | 1.0703 |
| Scaled Deviance | 996 | 1066.0503 | 1.0703 |
| Pearson Chi-Square | 996 | 983.7943 | 0.9877 |
| Scaled Pearson X2 | 996 | 983.7943 | 0.9877 |
| Log Likelihood | | 473.6118 | |
| Full Log Likelihood | | -1947.7436 | |
| AIC (smaller is better) | | 3903.4871 | |
| AICC (smaller is better) | | 3903.5273 | |
| BIC (smaller is better) | | 3923.1182 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008389 | -0.000557 | 0.0000574 | -0.000307 |
| Prm2 | -0.000557 | 0.001330 | -0.000055 | 0.0000256 |
| Prm3 | 0.0000574 | -0.000055 | 0.0003119 | -0.000052 |
| Prm4 | -0.000307 | 0.0000256 | -0.000052 | 0.0003060 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2282 | 0.0290 | 1.1714 | 1.2849 | 1798.19 | <.0001 |
| A | 1 | -0.0986 | 0.0365 | -0.1701 | -0.0271 | 7.31 | 0.0069 |
| M_cont | 1 | -0.0163 | 0.0177 | -0.0509 | 0.0183 | 0.85 | 0.3568 |
| C | 1 | -0.0383 | 0.0175 | -0.0726 | -0.0040 | 4.80 | 0.0285 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01145 | -0.16852 | 0.17657 | 0.16727 |
| 2 | 1.01145 | 0.00283 | -0.00184 | -0.00100 |
| 3 | 1.01145 | -0.00184 | 0.00419 | 0.00006 |
| 4 | 1.01145 | -0.00100 | 0.00006 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA179 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1046.5519 | 1.0508 |
| Scaled Deviance | 996 | 1046.5519 | 1.0508 |
| Pearson Chi-Square | 996 | 1014.4612 | 1.0185 |
| Scaled Pearson X2 | 996 | 1014.4612 | 1.0185 |
| Log Likelihood | | 409.6685 | |
| Full Log Likelihood | | -1938.7767 | |
| AIC (smaller is better) | | 3885.5534 | |
| AICC (smaller is better) | | 3885.5936 | |
| BIC (smaller is better) | | 3905.1844 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008430 | -0.000571 | 0.0000511 | -0.000308 |
| Prm2 | -0.000571 | 0.001340 | -0.000067 | 0.0000166 |
| Prm3 | 0.0000511 | -0.000067 | 0.0002931 | -0.000061 |
| Prm4 | -0.000308 | 0.0000166 | -0.000061 | 0.0003307 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1828 | 0.0290 | 1.1259 | 1.2397 | 1659.67 | <.0001 |
| A | 1 | -0.0471 | 0.0366 | -0.1188 | 0.0247 | 1.65 | 0.1984 |
| M_cont | 1 | 0.0281 | 0.0171 | -0.0054 | 0.0617 | 2.70 | 0.1007 |
| C | 1 | -0.0366 | 0.0182 | -0.0723 | -0.0010 | 4.06 | 0.0440 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05140 | -0.20434 | 0.22607 | 0.20746 |
| 2 | 1.05140 | 0.00296 | -0.00195 | -0.00106 |
| 3 | 1.05140 | -0.00195 | 0.00451 | 0.00001 |
| 4 | 1.05140 | -0.00106 | 0.00001 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA180 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1152.8535 | 1.1575 |
| Scaled Deviance | 996 | 1152.8535 | 1.1575 |
| Pearson Chi-Square | 996 | 1125.7542 | 1.1303 |
| Scaled Pearson X2 | 996 | 1125.7542 | 1.1303 |
| Log Likelihood | | 429.5987 | |
| Full Log Likelihood | | -1985.5409 | |
| AIC (smaller is better) | | 3979.0819 | |
| AICC (smaller is better) | | 3979.1221 | |
| BIC (smaller is better) | | 3998.7129 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008288 | -0.000555 | 0.0000316 | -0.000294 |
| Prm2 | -0.000555 | 0.001318 | -0.000035 | -2.405E-6 |
| Prm3 | 0.0000316 | -0.000035 | 0.0002924 | -0.000040 |
| Prm4 | -0.000294 | -2.405E-6 | -0.000040 | 0.0003191 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2022 | 0.0288 | 1.1457 | 1.2586 | 1743.83 | <.0001 |
| A | 1 | -0.0661 | 0.0363 | -0.1373 | 0.0050 | 3.32 | 0.0685 |
| M_cont | 1 | -0.0002 | 0.0171 | -0.0337 | 0.0334 | 0.00 | 0.9926 |
| C | 1 | -0.0388 | 0.0179 | -0.0738 | -0.0038 | 4.71 | 0.0300 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05158 | -0.10645 | 0.11838 | 0.13692 |
| 2 | 1.05158 | 0.00299 | -0.00196 | -0.00105 |
| 3 | 1.05158 | -0.00196 | 0.00449 | -0.00002 |
| 4 | 1.05158 | -0.00105 | -0.00002 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA181 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 982.8512 | 0.9868 |
| Scaled Deviance | 996 | 982.8512 | 0.9868 |
| Pearson Chi-Square | 996 | 953.5943 | 0.9574 |
| Scaled Pearson X2 | 996 | 953.5943 | 0.9574 |
| Log Likelihood | | 363.1705 | |
| Full Log Likelihood | | -1907.5549 | |
| AIC (smaller is better) | | 3823.1098 | |
| AICC (smaller is better) | | 3823.1500 | |
| BIC (smaller is better) | | 3842.7408 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008880 | -0.000572 | 0.0000199 | -0.000315 |
| Prm2 | -0.000572 | 0.001340 | -0.000012 | 7.1428E-6 |
| Prm3 | 0.0000199 | -0.000012 | 0.0003160 | -0.000047 |
| Prm4 | -0.000315 | 7.1428E-6 | -0.000047 | 0.0003094 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1353 | 0.0298 | 1.0769 | 1.1937 | 1451.59 | <.0001 |
| A | 1 | 0.0042 | 0.0366 | -0.0676 | 0.0759 | 0.01 | 0.9088 |
| M_cont | 1 | 0.0141 | 0.0178 | -0.0208 | 0.0489 | 0.63 | 0.4281 |
| C | 1 | -0.0194 | 0.0176 | -0.0539 | 0.0150 | 1.22 | 0.2688 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01915 | -0.077062 | 0.034278 | 0.14986 |
| 2 | 1.01915 | 0.002854 | -0.001813 | -0.00101 |
| 3 | 1.01915 | -0.001813 | 0.004261 | 0.00002 |
| 4 | 1.01915 | -0.001010 | 0.000018 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA182 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1005.1582 | 1.0092 |
| Scaled Deviance | 996 | 1005.1582 | 1.0092 |
| Pearson Chi-Square | 996 | 957.4535 | 0.9613 |
| Scaled Pearson X2 | 996 | 957.4535 | 0.9613 |
| Log Likelihood | | 352.8449 | |
| Full Log Likelihood | | -1910.2873 | |
| AIC (smaller is better) | | 3828.5747 | |
| AICC (smaller is better) | | 3828.6149 | |
| BIC (smaller is better) | | 3848.2057 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009134 | -0.000618 | 0.0000351 | -0.000319 |
| Prm2 | -0.000618 | 0.001348 | -0.000037 | 0.0000428 |
| Prm3 | 0.0000351 | -0.000037 | 0.0002892 | -0.000055 |
| Prm4 | -0.000319 | 0.0000428 | -0.000055 | 0.0003020 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1441 | 0.0302 | 1.0848 | 1.2033 | 1432.99 | <.0001 |
| A | 1 | -0.0123 | 0.0367 | -0.0843 | 0.0596 | 0.11 | 0.7373 |
| M_cont | 1 | 0.0345 | 0.0170 | 0.0011 | 0.0678 | 4.11 | 0.0427 |
| C | 1 | -0.0270 | 0.0174 | -0.0610 | 0.0071 | 2.41 | 0.1209 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06587 | -0.15720 | 0.12112 | 0.18974 |
| 2 | 1.06587 | 0.00321 | -0.00213 | -0.00111 |
| 3 | 1.06587 | -0.00213 | 0.00465 | 0.00012 |
| 4 | 1.06587 | -0.00111 | 0.00012 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA183 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1038.6986 | 1.0429 |
| Scaled Deviance | 996 | 1038.6986 | 1.0429 |
| Pearson Chi-Square | 996 | 986.7000 | 0.9907 |
| Scaled Pearson X2 | 996 | 986.7000 | 0.9907 |
| Log Likelihood | | 380.8428 | |
| Full Log Likelihood | | -1929.1637 | |
| AIC (smaller is better) | | 3866.3274 | |
| AICC (smaller is better) | | 3866.3676 | |
| BIC (smaller is better) | | 3885.9584 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009117 | -0.000604 | 0.0000628 | -0.000329 |
| Prm2 | -0.000604 | 0.001346 | -0.000074 | 0.0000308 |
| Prm3 | 0.0000628 | -0.000074 | 0.0002861 | -0.000061 |
| Prm4 | -0.000329 | 0.0000308 | -0.000061 | 0.0003183 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1881 | 0.0302 | 1.1289 | 1.2473 | 1548.31 | <.0001 |
| A | 1 | -0.0417 | 0.0367 | -0.1136 | 0.0303 | 1.29 | 0.2563 |
| M_cont | 1 | 0.0085 | 0.0169 | -0.0247 | 0.0416 | 0.25 | 0.6154 |
| C | 1 | -0.0466 | 0.0178 | -0.0816 | -0.0116 | 6.82 | 0.0090 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06828 | -0.23033 | 0.25890 | 0.21519 |
| 2 | 1.06828 | 0.00330 | -0.00210 | -0.00117 |
| 3 | 1.06828 | -0.00210 | 0.00463 | 0.00005 |
| 4 | 1.06828 | -0.00117 | 0.00005 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA184 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1072.8276 | 1.0771 |
| Scaled Deviance | 996 | 1072.8276 | 1.0771 |
| Pearson Chi-Square | 996 | 986.9427 | 0.9909 |
| Scaled Pearson X2 | 996 | 986.9427 | 0.9909 |
| Log Likelihood | | 404.1391 | |
| Full Log Likelihood | | -1942.0680 | |
| AIC (smaller is better) | | 3892.1361 | |
| AICC (smaller is better) | | 3892.1763 | |
| BIC (smaller is better) | | 3911.7671 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008713 | -0.000571 | 0.0000585 | -0.000317 |
| Prm2 | -0.000571 | 0.001341 | -0.000017 | 0.0000251 |
| Prm3 | 0.0000585 | -0.000017 | 0.0002993 | -0.000047 |
| Prm4 | -0.000317 | 0.0000251 | -0.000047 | 0.0003074 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1788 | 0.0295 | 1.1209 | 1.2366 | 1594.76 | <.0001 |
| A | 1 | -0.0479 | 0.0366 | -0.1197 | 0.0239 | 1.71 | 0.1908 |
| M_cont | 1 | 0.0189 | 0.0173 | -0.0150 | 0.0528 | 1.19 | 0.2747 |
| C | 1 | -0.0286 | 0.0175 | -0.0629 | 0.0058 | 2.65 | 0.1034 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04176 | -0.21127 | 0.050403 | 0.15437 |
| 2 | 1.04176 | 0.00299 | -0.001948 | -0.00106 |
| 3 | 1.04176 | -0.00195 | 0.004467 | 0.00008 |
| 4 | 1.04176 | -0.00106 | 0.000079 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA185 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1184.9935 | 1.1898 |
| Scaled Deviance | 996 | 1184.9935 | 1.1898 |
| Pearson Chi-Square | 996 | 1092.2152 | 1.0966 |
| Scaled Pearson X2 | 996 | 1092.2152 | 1.0966 |
| Log Likelihood | | 381.8555 | |
| Full Log Likelihood | | -1980.7707 | |
| AIC (smaller is better) | | 3969.5414 | |
| AICC (smaller is better) | | 3969.5816 | |
| BIC (smaller is better) | | 3989.1724 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009166 | -0.000573 | 0.0000383 | -0.000351 |
| Prm2 | -0.000573 | 0.001359 | 7.3901E-6 | 0.0000282 |
| Prm3 | 0.0000383 | 7.3901E-6 | 0.0003421 | -0.000058 |
| Prm4 | -0.000351 | 0.0000282 | -0.000058 | 0.0003303 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1828 | 0.0303 | 1.1234 | 1.2421 | 1526.22 | <.0001 |
| A | 1 | -0.0933 | 0.0369 | -0.1656 | -0.0211 | 6.41 | 0.0114 |
| M_cont | 1 | 0.0085 | 0.0185 | -0.0278 | 0.0447 | 0.21 | 0.6476 |
| C | 1 | -0.0209 | 0.0182 | -0.0565 | 0.0147 | 1.32 | 0.2501 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.97840 | -0.11354 | -0.026394 | 0.16532 |
| 2 | 0.97840 | 0.00279 | -0.001753 | -0.00104 |
| 3 | 0.97840 | -0.00175 | 0.003933 | 0.00009 |
| 4 | 0.97840 | -0.00104 | 0.000088 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA186 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1018.2588 | 1.0223 |
| Scaled Deviance | 996 | 1018.2588 | 1.0223 |
| Pearson Chi-Square | 996 | 963.2521 | 0.9671 |
| Scaled Pearson X2 | 996 | 963.2521 | 0.9671 |
| Log Likelihood | | 361.9269 | |
| Full Log Likelihood | | -1914.4457 | |
| AIC (smaller is better) | | 3836.8914 | |
| AICC (smaller is better) | | 3836.9316 | |
| BIC (smaller is better) | | 3856.5224 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008053 | -0.000528 | 0.0000363 | -0.000272 |
| Prm2 | -0.000528 | 0.001349 | -0.000016 | -0.000049 |
| Prm3 | 0.0000363 | -0.000016 | 0.0003092 | -0.000059 |
| Prm4 | -0.000272 | -0.000049 | -0.000059 | 0.0003180 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1911 | 0.0284 | 1.1355 | 1.2467 | 1761.69 | <.0001 |
| A | 1 | -0.0347 | 0.0367 | -0.1067 | 0.0373 | 0.89 | 0.3447 |
| M_cont | 1 | 0.0251 | 0.0176 | -0.0093 | 0.0596 | 2.05 | 0.1527 |
| C | 1 | -0.0638 | 0.0178 | -0.0987 | -0.0288 | 12.80 | 0.0003 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03314 | -0.14603 | 0.055878 | 0.19110 |
| 2 | 1.03314 | 0.00277 | -0.001751 | -0.00093 |
| 3 | 1.03314 | -0.00175 | 0.004363 | -0.00016 |
| 4 | 1.03314 | -0.00093 | -0.000155 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA187 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1170.9672 | 1.1757 |
| Scaled Deviance | 996 | 1170.9672 | 1.1757 |
| Pearson Chi-Square | 996 | 1094.5838 | 1.0990 |
| Scaled Pearson X2 | 996 | 1094.5838 | 1.0990 |
| Log Likelihood | | 497.5347 | |
| Full Log Likelihood | | -1995.2278 | |
| AIC (smaller is better) | | 3998.4556 | |
| AICC (smaller is better) | | 3998.4958 | |
| BIC (smaller is better) | | 4018.0866 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007737 | -0.000494 | 0.0000424 | -0.000270 |
| Prm2 | -0.000494 | 0.001330 | -0.000052 | -0.000035 |
| Prm3 | 0.0000424 | -0.000052 | 0.0003096 | -0.000040 |
| Prm4 | -0.000270 | -0.000035 | -0.000040 | 0.0002924 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2308 | 0.0278 | 1.1763 | 1.2853 | 1957.80 | <.0001 |
| A | 1 | -0.0005 | 0.0365 | -0.0720 | 0.0709 | 0.00 | 0.9882 |
| M_cont | 1 | -0.0083 | 0.0176 | -0.0428 | 0.0262 | 0.22 | 0.6371 |
| C | 1 | -0.0748 | 0.0171 | -0.1083 | -0.0413 | 19.14 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00839 | -0.12521 | 0.15896 | 0.12868 |
| 2 | 1.00839 | 0.00264 | -0.00158 | -0.00093 |
| 3 | 1.00839 | -0.00158 | 0.00425 | -0.00012 |
| 4 | 1.00839 | -0.00093 | -0.00012 | 0.00092 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA188 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 961.5624 | 0.9654 |
| Scaled Deviance | 996 | 961.5624 | 0.9654 |
| Pearson Chi-Square | 996 | 920.8934 | 0.9246 |
| Scaled Pearson X2 | 996 | 920.8934 | 0.9246 |
| Log Likelihood | | 427.5049 | |
| Full Log Likelihood | | -1905.7229 | |
| AIC (smaller is better) | | 3819.4458 | |
| AICC (smaller is better) | | 3819.4860 | |
| BIC (smaller is better) | | 3839.0768 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008643 | -0.000543 | 0.0000717 | -0.000324 |
| Prm2 | -0.000543 | 0.001357 | -0.000039 | 0.0000151 |
| Prm3 | 0.0000717 | -0.000039 | 0.0003001 | -0.000060 |
| Prm4 | -0.000324 | 0.0000151 | -0.000060 | 0.0003107 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1984 | 0.0294 | 1.1408 | 1.2560 | 1661.72 | <.0001 |
| A | 1 | -0.1290 | 0.0368 | -0.2012 | -0.0568 | 12.26 | 0.0005 |
| M_cont | 1 | -0.0064 | 0.0173 | -0.0404 | 0.0275 | 0.14 | 0.7106 |
| C | 1 | -0.0105 | 0.0176 | -0.0450 | 0.0241 | 0.35 | 0.5530 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03796 | -0.23063 | 0.12964 | 0.20023 |
| 2 | 1.03796 | 0.00298 | -0.00189 | -0.00106 |
| 3 | 1.03796 | -0.00189 | 0.00442 | 0.00003 |
| 4 | 1.03796 | -0.00106 | 0.00003 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA189 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1091.2231 | 1.0956 |
| Scaled Deviance | 996 | 1091.2231 | 1.0956 |
| Pearson Chi-Square | 996 | 1034.0349 | 1.0382 |
| Scaled Pearson X2 | 996 | 1034.0349 | 1.0382 |
| Log Likelihood | | 505.5549 | |
| Full Log Likelihood | | -1967.8474 | |
| AIC (smaller is better) | | 3943.6947 | |
| AICC (smaller is better) | | 3943.7349 | |
| BIC (smaller is better) | | 3963.3258 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008407 | -0.000544 | 0.0000406 | -0.000309 |
| Prm2 | -0.000544 | 0.001309 | -0.000063 | 3.7183E-6 |
| Prm3 | 0.0000406 | -0.000063 | 0.0002730 | -0.000030 |
| Prm4 | -0.000309 | 3.7183E-6 | -0.000030 | 0.0003155 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2264 | 0.0290 | 1.1696 | 1.2832 | 1788.95 | <.0001 |
| A | 1 | -0.0281 | 0.0362 | -0.0990 | 0.0428 | 0.60 | 0.4378 |
| M_cont | 1 | 0.0083 | 0.0165 | -0.0241 | 0.0407 | 0.25 | 0.6144 |
| C | 1 | -0.0574 | 0.0178 | -0.0923 | -0.0226 | 10.46 | 0.0012 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07672 | -0.16280 | 0.23213 | 0.11309 |
| 2 | 1.07672 | 0.00325 | -0.00201 | -0.00119 |
| 3 | 1.07672 | -0.00201 | 0.00475 | 0.00000 |
| 4 | 1.07672 | -0.00119 | 0.00000 | 0.00115 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA190 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1007.3872 | 1.0114 |
| Scaled Deviance | 996 | 1007.3872 | 1.0114 |
| Pearson Chi-Square | 996 | 966.9718 | 0.9709 |
| Scaled Pearson X2 | 996 | 966.9718 | 0.9709 |
| Log Likelihood | | 487.7360 | |
| Full Log Likelihood | | -1934.8790 | |
| AIC (smaller is better) | | 3877.7580 | |
| AICC (smaller is better) | | 3877.7982 | |
| BIC (smaller is better) | | 3897.3891 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008585 | -0.000561 | 0.0000521 | -0.000323 |
| Prm2 | -0.000561 | 0.001310 | -0.000056 | 0.0000205 |
| Prm3 | 0.0000521 | -0.000056 | 0.0003137 | -0.000047 |
| Prm4 | -0.000323 | 0.0000205 | -0.000047 | 0.0003279 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2060 | 0.0293 | 1.1486 | 1.2634 | 1694.18 | <.0001 |
| A | 1 | -0.0404 | 0.0362 | -0.1113 | 0.0306 | 1.24 | 0.2649 |
| M_cont | 1 | -0.0027 | 0.0177 | -0.0374 | 0.0320 | 0.02 | 0.8774 |
| C | 1 | -0.0363 | 0.0181 | -0.0718 | -0.0008 | 4.03 | 0.0448 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00489 | -0.16597 | 0.18057 | 0.15173 |
| 2 | 1.00489 | 0.00283 | -0.00180 | -0.00105 |
| 3 | 1.00489 | -0.00180 | 0.00413 | 0.00004 |
| 4 | 1.00489 | -0.00105 | 0.00004 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA191 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.8785 | 1.0631 |
| Scaled Deviance | 996 | 1058.8785 | 1.0631 |
| Pearson Chi-Square | 996 | 1018.9547 | 1.0230 |
| Scaled Pearson X2 | 996 | 1018.9547 | 1.0230 |
| Log Likelihood | | 336.8933 | |
| Full Log Likelihood | | -1930.3508 | |
| AIC (smaller is better) | | 3868.7016 | |
| AICC (smaller is better) | | 3868.7418 | |
| BIC (smaller is better) | | 3888.3326 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008744 | -0.000565 | 0.0000552 | -0.000325 |
| Prm2 | -0.000565 | 0.001365 | -0.000027 | 5.6091E-6 |
| Prm3 | 0.0000552 | -0.000027 | 0.0002989 | -0.000055 |
| Prm4 | -0.000325 | 5.6091E-6 | -0.000055 | 0.0003344 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1810 | 0.0296 | 1.1230 | 1.2389 | 1594.98 | <.0001 |
| A | 1 | -0.0578 | 0.0369 | -0.1303 | 0.0146 | 2.45 | 0.1175 |
| M_cont | 1 | 0.0050 | 0.0173 | -0.0289 | 0.0389 | 0.08 | 0.7729 |
| C | 1 | -0.0478 | 0.0183 | -0.0836 | -0.0120 | 6.83 | 0.0090 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05287 | -0.19322 | 0.090833 | 0.18539 |
| 2 | 1.05287 | 0.00307 | -0.001943 | -0.00112 |
| 3 | 1.05287 | -0.00194 | 0.004539 | 0.00002 |
| 4 | 1.05287 | -0.00112 | 0.000018 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA192 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 984.1210 | 0.9881 |
| Scaled Deviance | 996 | 984.1210 | 0.9881 |
| Pearson Chi-Square | 996 | 914.1924 | 0.9179 |
| Scaled Pearson X2 | 996 | 914.1924 | 0.9179 |
| Log Likelihood | | 308.9117 | |
| Full Log Likelihood | | -1891.4313 | |
| AIC (smaller is better) | | 3790.8627 | |
| AICC (smaller is better) | | 3790.9029 | |
| BIC (smaller is better) | | 3810.4937 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008544 | -0.000532 | 0.0000564 | -0.000315 |
| Prm2 | -0.000532 | 0.001391 | -0.000034 | -0.000022 |
| Prm3 | 0.0000564 | -0.000034 | 0.0003059 | -0.000068 |
| Prm4 | -0.000315 | -0.000022 | -0.000068 | 0.0003304 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1620 | 0.0292 | 1.1047 | 1.2193 | 1580.30 | <.0001 |
| A | 1 | -0.0528 | 0.0373 | -0.1259 | 0.0203 | 2.00 | 0.1572 |
| M_cont | 1 | 0.0294 | 0.0175 | -0.0049 | 0.0637 | 2.83 | 0.0925 |
| C | 1 | -0.0407 | 0.0182 | -0.0763 | -0.0051 | 5.01 | 0.0252 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04766 | -0.21244 | 0.10121 | 0.22081 |
| 2 | 1.04766 | 0.00291 | -0.00178 | -0.00104 |
| 3 | 1.04766 | -0.00178 | 0.00454 | -0.00009 |
| 4 | 1.04766 | -0.00104 | -0.00009 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA193 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1139.0079 | 1.1436 |
| Scaled Deviance | 996 | 1139.0079 | 1.1436 |
| Pearson Chi-Square | 996 | 1044.5587 | 1.0488 |
| Scaled Pearson X2 | 996 | 1044.5587 | 1.0488 |
| Log Likelihood | | 470.1425 | |
| Full Log Likelihood | | -1977.9724 | |
| AIC (smaller is better) | | 3963.9448 | |
| AICC (smaller is better) | | 3963.9850 | |
| BIC (smaller is better) | | 3983.5758 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0009418 | -0.000604 | 0.0000131 | -0.000341 |
| Prm2 | -0.000604 | 0.001288 | -0.000026 | 0.0000290 |
| Prm3 | 0.0000131 | -0.000026 | 0.0002786 | -0.000037 |
| Prm4 | -0.000341 | 0.0000290 | -0.000037 | 0.0003203 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1981 | 0.0307 | 1.1379 | 1.2582 | 1524.07 | <.0001 |
| A | 1 | -0.0005 | 0.0359 | -0.0708 | 0.0698 | 0.00 | 0.9886 |
| M_cont | 1 | 0.0260 | 0.0167 | -0.0067 | 0.0587 | 2.43 | 0.1193 |
| C | 1 | -0.0501 | 0.0179 | -0.0851 | -0.0150 | 7.83 | 0.0051 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07237 | -0.069506 | 0.083049 | 0.13028 |
| 2 | 1.07237 | 0.003535 | -0.002195 | -0.00129 |
| 3 | 1.07237 | -0.002195 | 0.004661 | 0.00010 |
| 4 | 1.07237 | -0.001291 | 0.000103 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA194 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1094.0970 | 1.0985 |
| Scaled Deviance | 996 | 1094.0970 | 1.0985 |
| Pearson Chi-Square | 996 | 1026.3940 | 1.0305 |
| Scaled Pearson X2 | 996 | 1026.3940 | 1.0305 |
| Log Likelihood | | 494.8375 | |
| Full Log Likelihood | | -1964.2426 | |
| AIC (smaller is better) | | 3936.4851 | |
| AICC (smaller is better) | | 3936.5253 | |
| BIC (smaller is better) | | 3956.1162 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008032 | -0.000540 | 0.0000660 | -0.000280 |
| Prm2 | -0.000540 | 0.001306 | -0.000041 | -4.183E-6 |
| Prm3 | 0.0000660 | -0.000041 | 0.0002758 | -0.000049 |
| Prm4 | -0.000280 | -4.183E-6 | -0.000049 | 0.0003007 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2493 | 0.0283 | 1.1937 | 1.3048 | 1942.99 | <.0001 |
| A | 1 | -0.0662 | 0.0361 | -0.1371 | 0.0046 | 3.36 | 0.0669 |
| M_cont | 1 | 0.0112 | 0.0166 | -0.0214 | 0.0437 | 0.45 | 0.5002 |
| C | 1 | -0.0699 | 0.0173 | -0.1039 | -0.0359 | 16.24 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07628 | -0.25820 | 0.14745 | 0.18273 |
| 2 | 1.07628 | 0.00312 | -0.00201 | -0.00108 |
| 3 | 1.07628 | -0.00201 | 0.00472 | -0.00002 |
| 4 | 1.07628 | -0.00108 | -0.00002 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA195 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1099.6035 | 1.1040 |
| Scaled Deviance | 996 | 1099.6035 | 1.1040 |
| Pearson Chi-Square | 996 | 1016.8854 | 1.0210 |
| Scaled Pearson X2 | 996 | 1016.8854 | 1.0210 |
| Log Likelihood | | 521.4039 | |
| Full Log Likelihood | | -1971.5490 | |
| AIC (smaller is better) | | 3951.0979 | |
| AICC (smaller is better) | | 3951.1381 | |
| BIC (smaller is better) | | 3970.7289 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008289 | -0.000524 | 0.0000604 | -0.000306 |
| Prm2 | -0.000524 | 0.001326 | -0.000062 | 0.0000101 |
| Prm3 | 0.0000604 | -0.000062 | 0.0002800 | -0.000063 |
| Prm4 | -0.000306 | 0.0000101 | -0.000063 | 0.0002978 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2130 | 0.0288 | 1.1565 | 1.2694 | 1775.08 | <.0001 |
| A | 1 | -0.0712 | 0.0364 | -0.1426 | 0.0002 | 3.82 | 0.0506 |
| M_cont | 1 | 0.0142 | 0.0167 | -0.0186 | 0.0470 | 0.72 | 0.3969 |
| C | 1 | -0.0226 | 0.0173 | -0.0565 | 0.0112 | 1.72 | 0.1898 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05917 | -0.23412 | 0.22077 | 0.22567 |
| 2 | 1.05917 | 0.00303 | -0.00189 | -0.00108 |
| 3 | 1.05917 | -0.00189 | 0.00464 | -0.00001 |
| 4 | 1.05917 | -0.00108 | -0.00001 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA196 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1174.3631 | 1.1791 |
| Scaled Deviance | 996 | 1174.3631 | 1.1791 |
| Pearson Chi-Square | 996 | 1118.7359 | 1.1232 |
| Scaled Pearson X2 | 996 | 1118.7359 | 1.1232 |
| Log Likelihood | | 396.5663 | |
| Full Log Likelihood | | -1979.4043 | |
| AIC (smaller is better) | | 3966.8085 | |
| AICC (smaller is better) | | 3966.8487 | |
| BIC (smaller is better) | | 3986.4396 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008095 | -0.000557 | 0.0000562 | -0.000283 |
| Prm2 | -0.000557 | 0.001370 | -0.000096 | -1.316E-8 |
| Prm3 | 0.0000562 | -0.000096 | 0.0002983 | -0.000050 |
| Prm4 | -0.000283 | -1.316E-8 | -0.000050 | 0.0003142 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2241 | 0.0285 | 1.1684 | 1.2799 | 1851.04 | <.0001 |
| A | 1 | -0.0827 | 0.0370 | -0.1553 | -0.0102 | 5.00 | 0.0254 |
| M_cont | 1 | 0.0430 | 0.0173 | 0.0092 | 0.0769 | 6.20 | 0.0128 |
| C | 1 | -0.0712 | 0.0177 | -0.1060 | -0.0365 | 16.15 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04626 | -0.22803 | 0.30706 | 0.16508 |
| 2 | 1.04626 | 0.00288 | -0.00187 | -0.00099 |
| 3 | 1.04626 | -0.00187 | 0.00447 | -0.00005 |
| 4 | 1.04626 | -0.00099 | -0.00005 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA197 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1068.9395 | 1.0732 |
| Scaled Deviance | 996 | 1068.9395 | 1.0732 |
| Pearson Chi-Square | 996 | 993.6094 | 0.9976 |
| Scaled Pearson X2 | 996 | 993.6094 | 0.9976 |
| Log Likelihood | | 428.8504 | |
| Full Log Likelihood | | -1945.5781 | |
| AIC (smaller is better) | | 3899.1562 | |
| AICC (smaller is better) | | 3899.1964 | |
| BIC (smaller is better) | | 3918.7872 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008384 | -0.000563 | 0.0000637 | -0.000303 |
| Prm2 | -0.000563 | 0.001347 | -0.000059 | 0.0000226 |
| Prm3 | 0.0000637 | -0.000059 | 0.0002888 | -0.000051 |
| Prm4 | -0.000303 | 0.0000226 | -0.000051 | 0.0003052 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1998 | 0.0290 | 1.1430 | 1.2565 | 1716.86 | <.0001 |
| A | 1 | -0.0335 | 0.0367 | -0.1054 | 0.0385 | 0.83 | 0.3621 |
| M_cont | 1 | 0.0083 | 0.0170 | -0.0250 | 0.0416 | 0.24 | 0.6251 |
| C | 1 | -0.0505 | 0.0175 | -0.0848 | -0.0163 | 8.37 | 0.0038 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05731 | -0.23673 | 0.20386 | 0.18387 |
| 2 | 1.05731 | 0.00302 | -0.00195 | -0.00108 |
| 3 | 1.05731 | -0.00195 | 0.00462 | 0.00005 |
| 4 | 1.05731 | -0.00108 | 0.00005 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA198 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1015.7971 | 1.0199 |
| Scaled Deviance | 996 | 1015.7971 | 1.0199 |
| Pearson Chi-Square | 996 | 965.7852 | 0.9697 |
| Scaled Pearson X2 | 996 | 965.7852 | 0.9697 |
| Log Likelihood | | 395.6090 | |
| Full Log Likelihood | | -1920.0007 | |
| AIC (smaller is better) | | 3848.0013 | |
| AICC (smaller is better) | | 3848.0415 | |
| BIC (smaller is better) | | 3867.6323 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008733 | -0.000552 | 0.0000395 | -0.000320 |
| Prm2 | -0.000552 | 0.001351 | -0.000052 | -4.835E-7 |
| Prm3 | 0.0000395 | -0.000052 | 0.0002794 | -0.000028 |
| Prm4 | -0.000320 | -4.835E-7 | -0.000028 | 0.0003164 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2083 | 0.0296 | 1.1504 | 1.2662 | 1671.82 | <.0001 |
| A | 1 | -0.0952 | 0.0368 | -0.1673 | -0.0232 | 6.71 | 0.0096 |
| M_cont | 1 | -0.0317 | 0.0167 | -0.0645 | 0.0011 | 3.60 | 0.0579 |
| C | 1 | -0.0392 | 0.0178 | -0.0740 | -0.0043 | 4.85 | 0.0277 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08485 | -0.11362 | 0.19084 | 0.10812 |
| 2 | 1.08485 | 0.00334 | -0.00206 | -0.00119 |
| 3 | 1.08485 | -0.00206 | 0.00479 | -0.00002 |
| 4 | 1.08485 | -0.00119 | -0.00002 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA199 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1051.5310 | 1.0558 |
| Scaled Deviance | 996 | 1051.5310 | 1.0558 |
| Pearson Chi-Square | 996 | 986.2146 | 0.9902 |
| Scaled Pearson X2 | 996 | 986.2146 | 0.9902 |
| Log Likelihood | | 392.3401 | |
| Full Log Likelihood | | -1932.9277 | |
| AIC (smaller is better) | | 3873.8553 | |
| AICC (smaller is better) | | 3873.8955 | |
| BIC (smaller is better) | | 3893.4863 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0007992 | -0.000520 | 0.0000614 | -0.000298 |
| Prm2 | -0.000520 | 0.001400 | -0.000061 | 1.7338E-6 |
| Prm3 | 0.0000614 | -0.000061 | 0.0002933 | -0.000066 |
| Prm4 | -0.000298 | 1.7338E-6 | -0.000066 | 0.0003169 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2002 | 0.0283 | 1.1447 | 1.2556 | 1802.25 | <.0001 |
| A | 1 | -0.1056 | 0.0374 | -0.1789 | -0.0322 | 7.96 | 0.0048 |
| M_cont | 1 | 0.0246 | 0.0171 | -0.0090 | 0.0581 | 2.06 | 0.1516 |
| C | 1 | -0.0370 | 0.0178 | -0.0719 | -0.0021 | 4.32 | 0.0376 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05633 | -0.23255 | 0.20308 | 0.22311 |
| 2 | 1.05633 | 0.00285 | -0.00182 | -0.00102 |
| 3 | 1.05633 | -0.00182 | 0.00466 | -0.00004 |
| 4 | 1.05633 | -0.00102 | -0.00004 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1100 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1032.5989 | 1.0367 |
| Scaled Deviance | 996 | 1032.5989 | 1.0367 |
| Pearson Chi-Square | 996 | 970.7900 | 0.9747 |
| Scaled Pearson X2 | 996 | 970.7900 | 0.9747 |
| Log Likelihood | | 397.6533 | |
| Full Log Likelihood | | -1925.9056 | |
| AIC (smaller is better) | | 3859.8112 | |
| AICC (smaller is better) | | 3859.8514 | |
| BIC (smaller is better) | | 3879.4422 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 0.0008506 | -0.000580 | 0.0000259 | -0.000304 |
| Prm2 | -0.000580 | 0.001336 | -0.000033 | 0.0000253 |
| Prm3 | 0.0000259 | -0.000033 | 0.0002937 | -0.000055 |
| Prm4 | -0.000304 | 0.0000253 | -0.000055 | 0.0003181 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1750 | 0.0292 | 1.1178 | 1.2321 | 1623.08 | <.0001 |
| A | 1 | -0.0144 | 0.0365 | -0.0860 | 0.0572 | 0.16 | 0.6934 |
| M_cont | 1 | 0.0450 | 0.0171 | 0.0114 | 0.0786 | 6.89 | 0.0087 |
| C | 1 | -0.0488 | 0.0178 | -0.0838 | -0.0138 | 7.49 | 0.0062 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05348 | -0.13550 | 0.10240 | 0.18749 |
| 2 | 1.05348 | 0.00301 | -0.00199 | -0.00108 |
| 3 | 1.05348 | -0.00199 | 0.00456 | 0.00007 |
| 4 | 1.05348 | -0.00108 | 0.00007 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Distribution | Poisson |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 1E5 | 106022.8987 | 1.0603 |
| Scaled Deviance | 1E5 | 106022.8987 | 1.0603 |
| Pearson Chi-Square | 1E5 | 99878.7795 | 0.9988 |
| Scaled Pearson X2 | 1E5 | 99878.7795 | 0.9988 |
| Log Likelihood | | 40909.5042 | |
| Full Log Likelihood | | -193981.9460 | |
| AIC (smaller is better) | | 387971.8920 | |
| AICC (smaller is better) | | 387971.8924 | |
| BIC (smaller is better) | | 388009.9437 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | |
|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 |
| Prm1 | 8.5181E-6 | -5.589E-6 | 4.8658E-7 | -3.071E-6 |
| Prm2 | -5.589E-6 | 0.0000134 | -5.044E-7 | 8.7936E-8 |
| Prm3 | 4.8658E-7 | -5.044E-7 | 2.9498E-6 | -4.927E-7 |
| Prm4 | -3.071E-6 | 8.7936E-8 | -4.927E-7 | 3.1275E-6 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1968 | 0.0029 | 1.1910 | 1.2025 | 168143 | <.0001 |
| A | 1 | -0.0479 | 0.0037 | -0.0551 | -0.0408 | 171.46 | <.0001 |
| M_cont | 1 | 0.0089 | 0.0017 | 0.0056 | 0.0123 | 26.95 | <.0001 |
| C | 1 | -0.0464 | 0.0018 | -0.0499 | -0.0429 | 687.94 | <.0001 |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | | |

The scale parameter was held fixed.

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3686.38174 | 1843.19087 | 1677.45 | <.0001 |
| Error | 99997 | 109877 | 1.09880 | | |
| Corrected Total | 99999 | 113563 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04824 | R-Square | 0.0325 |
| Dependent Mean | 0.06975 | Adj R-Sq | 0.0324 |
| Coeff Var | 1502.93770 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17503 | 0.00549 | -31.87 | <.0001 |
| A | 1 | 0.16813 | 0.00671 | 25.07 | <.0001 |
| C | 1 | 0.16853 | 0.00322 | 52.32 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04824 | -0.17503 | 0.16813 | 0.16853 |
| 2 | 1.04824 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.04824 | -0.00002 | 0.00004 | 0.00000 |
| 4 | 1.04824 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.95416 | 0.034641 | 0.88817 | 1.01407 |
| 2 | nie | 1.00150 | 0.003436 | 0.99525 | 1.00847 |
| 3 | total effect | 0.95558 | 0.034538 | 0.88869 | 1.01623 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA11 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1038.5173 | 1.0427 |
| Scaled Deviance | 996 | 1038.5173 | 1.0427 |
| Pearson Chi-Square | 996 | 1000.3750 | 1.0044 |
| Scaled Pearson X2 | 996 | 1000.3750 | 1.0044 |
| Log Likelihood | | 365.1367 | |
| Full Log Likelihood | | -1936.3268 | |
| AIC (smaller is better) | | 3882.6535 | |
| AICC (smaller is better) | | 3882.7139 | |
| BIC (smaller is better) | | 3907.1923 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008859 | -0.000568 | 0.0000671 | -0.000335 | 1.8126E-6 |
| Prm2 | -0.000568 | 0.001416 | -0.000076 | 5.5057E-6 | -1.12E-6 |
| Prm3 | 0.0000671 | -0.000076 | 0.0002871 | -0.000056 | 3.7782E-7 |
| Prm4 | -0.000335 | 5.5057E-6 | -0.000056 | 0.0003441 | -1.389E-6 |
| Dispersion | 1.8126E-6 | -1.12E-6 | 3.7782E-7 | -1.389E-6 | 0.0002080 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1789 | 0.0298 | 1.1205 | 1.2372 | 1568.77 | <.0001 |
| A | 1 | -0.0545 | 0.0376 | -0.1283 | 0.0193 | 2.10 | 0.1476 |
| M_cont | 1 | -0.0075 | 0.0169 | -0.0407 | 0.0257 | 0.20 | 0.6587 |
| C | 1 | -0.0382 | 0.0185 | -0.0746 | -0.0019 | 4.24 | 0.0394 |
| Dispersion | 1 | 0.0083 | 0.0144 | 0.0003 | 0.2511 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08414 | -0.22454 | 0.25950 | 0.19458 |
| 2 | 1.08414 | 0.00319 | -0.00198 | -0.00118 |
| 3 | 1.08414 | -0.00198 | 0.00485 | -0.00003 |
| 4 | 1.08414 | -0.00118 | -0.00003 | 0.00117 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA12 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 997.8747 | 1.0019 |
| Scaled Deviance | 996 | 997.8747 | 1.0019 |
| Pearson Chi-Square | 996 | 946.9736 | 0.9508 |
| Scaled Pearson X2 | 996 | 946.9736 | 0.9508 |
| Log Likelihood | | 408.8199 | |
| Full Log Likelihood | | -1916.0751 | |
| AIC (smaller is better) | | 3842.1502 | |
| AICC (smaller is better) | | 3842.2105 | |
| BIC (smaller is better) | | 3866.6889 | |

WARNING: The relative Hessian convergence criterion of 18.902040692 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008213 | -0.000543 | 0.0000823 | -0.000309 | 0 |
| Prm2 | -0.000543 | 0.001387 | -0.000089 | 0.0000121 | 0 |
| Prm3 | 0.0000823 | -0.000089 | 0.0003117 | -0.000065 | 0 |
| Prm4 | -0.000309 | 0.0000121 | -0.000065 | 0.0003240 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1827 | 0.0287 | 1.1266 | 1.2389 | 1703.17 | <.0001 |
| A | 1 | -0.0516 | 0.0372 | -0.1246 | 0.0214 | 1.92 | 0.1657 |
| M_cont | 1 | 0.0103 | 0.0177 | -0.0243 | 0.0449 | 0.34 | 0.5584 |
| C | 1 | -0.0331 | 0.0180 | -0.0683 | 0.0022 | 3.37 | 0.0663 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02007 | -0.27430 | 0.28350 | 0.20894 |
| 2 | 1.02007 | 0.00268 | -0.00171 | -0.00097 |
| 3 | 1.02007 | -0.00171 | 0.00434 | -0.00002 |
| 4 | 1.02007 | -0.00097 | -0.00002 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA13 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1042.1062 | 1.0463 |
| Scaled Deviance | 996 | 1042.1062 | 1.0463 |
| Pearson Chi-Square | 996 | 999.5458 | 1.0036 |
| Scaled Pearson X2 | 996 | 999.5458 | 1.0036 |
| Log Likelihood | | 401.1091 | |
| Full Log Likelihood | | -1938.6580 | |
| AIC (smaller is better) | | 3887.3161 | |
| AICC (smaller is better) | | 3887.3764 | |
| BIC (smaller is better) | | 3911.8548 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008320 | -0.000570 | 0.0000612 | -0.000309 | -1.825E-6 |
| Prm2 | -0.000570 | 0.001410 | -0.000060 | 0.0000458 | 7.1379E-7 |
| Prm3 | 0.0000612 | -0.000060 | 0.0002978 | -0.000067 | -1.394E-6 |
| Prm4 | -0.000309 | 0.0000458 | -0.000067 | 0.0003110 | 1.6992E-6 |
| Dispersion | -1.825E-6 | 7.1379E-7 | -1.394E-6 | 1.6992E-6 | 0.0002052 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2067 | 0.0288 | 1.1502 | 1.2633 | 1750.12 | <.0001 |
| A | 1 | -0.0815 | 0.0376 | -0.1551 | -0.0079 | 4.71 | 0.0300 |
| M_cont | 1 | 0.0198 | 0.0173 | -0.0141 | 0.0536 | 1.31 | 0.2521 |
| C | 1 | -0.0501 | 0.0176 | -0.0847 | -0.0156 | 8.08 | 0.0045 |
| Dispersion | 1 | 0.0038 | 0.0143 | 0.0000 | 5.7856 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05576 | -0.22608 | 0.19462 | 0.22548 |
| 2 | 1.05576 | 0.00295 | -0.00196 | -0.00106 |
| 3 | 1.05576 | -0.00196 | 0.00468 | 0.00011 |
| 4 | 1.05576 | -0.00106 | 0.00011 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA14 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1054.0013 | 1.0582 |
| Scaled Deviance | 996 | 1054.0013 | 1.0582 |
| Pearson Chi-Square | 996 | 1000.2272 | 1.0042 |
| Scaled Pearson X2 | 996 | 1000.2272 | 1.0042 |
| Log Likelihood | | 396.7899 | |
| Full Log Likelihood | | -1936.1863 | |
| AIC (smaller is better) | | 3882.3726 | |
| AICC (smaller is better) | | 3882.4330 | |
| BIC (smaller is better) | | 3906.9114 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008747 | -0.000565 | 0.0000566 | -0.000324 | 5.6958E-7 |
| Prm2 | -0.000565 | 0.001347 | -0.000061 | -6.996E-8 | 8.1606E-7 |
| Prm3 | 0.0000566 | -0.000061 | 0.0003167 | -0.000055 | -9.552E-7 |
| Prm4 | -0.000324 | -6.996E-8 | -0.000055 | 0.0003389 | -8.422E-7 |
| Dispersion | 5.6958E-7 | 8.1606E-7 | -9.552E-7 | -8.422E-7 | 0.0001961 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1907 | 0.0296 | 1.1327 | 1.2486 | 1620.76 | <.0001 |
| A | 1 | -0.0189 | 0.0367 | -0.0908 | 0.0530 | 0.27 | 0.6063 |
| M_cont | 1 | -0.0092 | 0.0178 | -0.0441 | 0.0257 | 0.27 | 0.6046 |
| C | 1 | -0.0552 | 0.0184 | -0.0913 | -0.0191 | 8.98 | 0.0027 |
| Dispersion | 1 | 0.0017 | 0.0140 | 0.0000 | 24553.92 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01765 | -0.17576 | 0.19614 | 0.17905 |
| 2 | 1.01765 | 0.00289 | -0.00179 | -0.00106 |
| 3 | 1.01765 | -0.00179 | 0.00423 | -0.00002 |
| 4 | 1.01765 | -0.00106 | -0.00002 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA15 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1050.9347 | 1.0552 |
| Scaled Deviance | 996 | 1050.9347 | 1.0552 |
| Pearson Chi-Square | 996 | 1005.3588 | 1.0094 |
| Scaled Pearson X2 | 996 | 1005.3588 | 1.0094 |
| Log Likelihood | | 368.9236 | |
| Full Log Likelihood | | -1935.3989 | |
| AIC (smaller is better) | | 3880.7978 | |
| AICC (smaller is better) | | 3880.8582 | |
| BIC (smaller is better) | | 3905.3366 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008670 | -0.000560 | 0.0000573 | -0.000312 | 7.0604E-8 |
| Prm2 | -0.000560 | 0.001384 | -0.000063 | 1.5676E-6 | 1.8762E-7 |
| Prm3 | 0.0000573 | -0.000063 | 0.0003060 | -0.000055 | 2.774E-7 |
| Prm4 | -0.000312 | 1.5676E-6 | -0.000055 | 0.0003139 | -1.677E-7 |
| Dispersion | 7.0604E-8 | 1.8762E-7 | 2.774E-7 | -1.677E-7 | 0.0002079 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1822 | 0.0294 | 1.1245 | 1.2399 | 1611.99 | <.0001 |
| A | 1 | -0.0971 | 0.0372 | -0.1700 | -0.0242 | 6.81 | 0.0091 |
| M_cont | 1 | 0.0075 | 0.0175 | -0.0268 | 0.0417 | 0.18 | 0.6701 |
| C | 1 | -0.0227 | 0.0177 | -0.0575 | 0.0120 | 1.65 | 0.1995 |
| Dispersion | 1 | 0.0042 | 0.0144 | 0.0000 | 3.3797 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04478 | -0.19398 | 0.20489 | 0.17798 |
| 2 | 1.04478 | 0.00296 | -0.00189 | -0.00102 |
| 3 | 1.04478 | -0.00189 | 0.00445 | -0.00003 |
| 4 | 1.04478 | -0.00102 | -0.00003 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA16 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1051.0077 | 1.0552 |
| Scaled Deviance | 996 | 1051.0077 | 1.0552 |
| Pearson Chi-Square | 996 | 995.5901 | 0.9996 |
| Scaled Pearson X2 | 996 | 995.5901 | 0.9996 |
| Log Likelihood | | 492.3066 | |
| Full Log Likelihood | | -1948.6602 | |
| AIC (smaller is better) | | 3907.3204 | |
| AICC (smaller is better) | | 3907.3807 | |
| BIC (smaller is better) | | 3931.8592 | |

WARNING: The relative Hessian convergence criterion of 0.3586242512 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008363 | -0.000542 | 0.0000451 | -0.000306 | 0 |
| Prm2 | -0.000542 | 0.001318 | -0.000032 | 0.0000144 | 0 |
| Prm3 | 0.0000451 | -0.000032 | 0.0002807 | -0.000050 | 0 |
| Prm4 | -0.000306 | 0.0000144 | -0.000050 | 0.0003039 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2488 | 0.0289 | 1.1921 | 1.3054 | 1864.56 | <.0001 |
| A | 1 | -0.1158 | 0.0363 | -0.1869 | -0.0446 | 10.17 | 0.0014 |
| M_cont | 1 | 0.0310 | 0.0168 | -0.0019 | 0.0638 | 3.42 | 0.0644 |
| C | 1 | -0.0488 | 0.0174 | -0.0830 | -0.0146 | 7.83 | 0.0051 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06335 | -0.19496 | 0.11433 | 0.17883 |
| 2 | 1.06335 | 0.00317 | -0.00202 | -0.00112 |
| 3 | 1.06335 | -0.00202 | 0.00462 | 0.00004 |
| 4 | 1.06335 | -0.00112 | 0.00004 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA17 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1054.6691 | 1.0589 |
| Scaled Deviance | 996 | 1054.6691 | 1.0589 |
| Pearson Chi-Square | 996 | 997.4679 | 1.0015 |
| Scaled Pearson X2 | 996 | 997.4679 | 1.0015 |
| Log Likelihood | | 363.9445 | |
| Full Log Likelihood | | -1956.1414 | |
| AIC (smaller is better) | | 3922.2828 | |
| AICC (smaller is better) | | 3922.3432 | |
| BIC (smaller is better) | | 3946.8216 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009254 | -0.000617 | 0.0000370 | -0.000337 | 1.4823E-6 |
| Prm2 | -0.000617 | 0.001463 | -0.000025 | 0.0000264 | -4.54E-7 |
| Prm3 | 0.0000370 | -0.000025 | 0.0003091 | -0.000044 | 3.8301E-7 |
| Prm4 | -0.000337 | 0.0000264 | -0.000044 | 0.0003396 | -1.323E-6 |
| Dispersion | 1.4823E-6 | -4.54E-7 | 3.8301E-7 | -1.323E-6 | 0.0002385 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2230 | 0.0304 | 1.1634 | 1.2826 | 1616.38 | <.0001 |
| A | 1 | -0.1189 | 0.0383 | -0.1938 | -0.0439 | 9.66 | 0.0019 |
| M_cont | 1 | 0.0012 | 0.0176 | -0.0332 | 0.0357 | 0.00 | 0.9440 |
| C | 1 | -0.0585 | 0.0184 | -0.0946 | -0.0224 | 10.07 | 0.0015 |
| Dispersion | 1 | 0.0238 | 0.0154 | 0.0067 | 0.0849 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06353 | -0.12398 | 0.072608 | 0.14775 |
| 2 | 1.06353 | 0.00318 | -0.002072 | -0.00113 |
| 3 | 1.06353 | -0.00207 | 0.004618 | 0.00008 |
| 4 | 1.06353 | -0.00113 | 0.000080 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA18 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1034.5466 | 1.0387 |
| Scaled Deviance | 996 | 1034.5466 | 1.0387 |
| Pearson Chi-Square | 996 | 981.7708 | 0.9857 |
| Scaled Pearson X2 | 996 | 981.7708 | 0.9857 |
| Log Likelihood | | 361.1271 | |
| Full Log Likelihood | | -1918.3721 | |
| AIC (smaller is better) | | 3846.7442 | |
| AICC (smaller is better) | | 3846.8045 | |
| BIC (smaller is better) | | 3871.2829 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008131 | -0.000551 | 0.0000342 | -0.000290 | -4.8E-11 |
| Prm2 | -0.000551 | 0.001371 | -0.000027 | 5.8084E-6 | -3.45E-10 |
| Prm3 | 0.0000342 | -0.000027 | 0.0003226 | -0.000056 | -4.81E-10 |
| Prm4 | -0.000290 | 5.8084E-6 | -0.000056 | 0.0003167 | 2.333E-10 |
| Dispersion | -4.8E-11 | -3.45E-10 | -4.81E-10 | 2.333E-10 | 4.1213E-8 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2257 | 0.0285 | 1.1698 | 1.2816 | 1847.70 | <.0001 |
| A | 1 | -0.0622 | 0.0370 | -0.1347 | 0.0104 | 2.82 | 0.0932 |
| M_cont | 1 | 0.0374 | 0.0180 | 0.0022 | 0.0726 | 4.33 | 0.0374 |
| C | 1 | -0.0927 | 0.0178 | -0.1276 | -0.0578 | 27.14 | <.0001 |
| Dispersion | 1 | 0.0000 | 0.0002 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01426 | -0.14543 | 0.083245 | 0.17451 |
| 2 | 1.01426 | 0.00276 | -0.001775 | -0.00098 |
| 3 | 1.01426 | -0.00177 | 0.004241 | 0.00002 |
| 4 | 1.01426 | -0.00098 | 0.000019 | 0.00096 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA19 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1050.5242 | 1.0547 |
| Scaled Deviance | 996 | 1050.5242 | 1.0547 |
| Pearson Chi-Square | 996 | 994.1967 | 0.9982 |
| Scaled Pearson X2 | 996 | 994.1967 | 0.9982 |
| Log Likelihood | | 475.6051 | |
| Full Log Likelihood | | -1949.3744 | |
| AIC (smaller is better) | | 3908.7489 | |
| AICC (smaller is better) | | 3908.8092 | |
| BIC (smaller is better) | | 3933.2877 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008478 | -0.000541 | 0.0000426 | -0.000302 | 1.8359E-6 |
| Prm2 | -0.000541 | 0.001326 | -0.000060 | -0.000010 | -1.801E-6 |
| Prm3 | 0.0000426 | -0.000060 | 0.0002817 | -0.000047 | -2.375E-6 |
| Prm4 | -0.000302 | -0.000010 | -0.000047 | 0.0003077 | -7.825E-7 |
| Dispersion | 1.8359E-6 | -1.801E-6 | -2.375E-6 | -7.825E-7 | 0.0001922 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2372 | 0.0291 | 1.1801 | 1.2943 | 1805.44 | <.0001 |
| A | 1 | -0.0582 | 0.0364 | -0.1295 | 0.0132 | 2.55 | 0.1100 |
| M_cont | 1 | 0.0140 | 0.0168 | -0.0189 | 0.0469 | 0.70 | 0.4032 |
| C | 1 | -0.0627 | 0.0175 | -0.0971 | -0.0284 | 12.79 | 0.0003 |
| Dispersion | 1 | 0.0025 | 0.0139 | 0.0000 | 140.9541 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06943 | -0.16910 | 0.20186 | 0.17194 |
| 2 | 1.06943 | 0.00321 | -0.00196 | -0.00112 |
| 3 | 1.06943 | -0.00196 | 0.00466 | -0.00006 |
| 4 | 1.06943 | -0.00112 | -0.00006 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA110 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1072.9103 | 1.0772 |
| Scaled Deviance | 996 | 1072.9103 | 1.0772 |
| Pearson Chi-Square | 996 | 1001.7068 | 1.0057 |
| Scaled Pearson X2 | 996 | 1001.7068 | 1.0057 |
| Log Likelihood | | 305.9436 | |
| Full Log Likelihood | | -1927.6017 | |
| AIC (smaller is better) | | 3865.2034 | |
| AICC (smaller is better) | | 3865.2638 | |
| BIC (smaller is better) | | 3889.7422 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009317 | -0.000560 | 0.0000615 | -0.000361 | 8.0085E-7 |
| Prm2 | -0.000560 | 0.001393 | -0.000038 | -4.077E-6 | 6.5849E-7 |
| Prm3 | 0.0000615 | -0.000038 | 0.0003333 | -0.000072 | -7.183E-7 |
| Prm4 | -0.000361 | -4.077E-6 | -0.000072 | 0.0003569 | -9.624E-7 |
| Dispersion | 8.0085E-7 | 6.5849E-7 | -7.183E-7 | -9.624E-7 | 0.0002172 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1722 | 0.0305 | 1.1124 | 1.2320 | 1474.81 | <.0001 |
| A | 1 | -0.0892 | 0.0373 | -0.1624 | -0.0161 | 5.72 | 0.0168 |
| M_cont | 1 | -0.0007 | 0.0183 | -0.0364 | 0.0351 | 0.00 | 0.9709 |
| C | 1 | -0.0329 | 0.0189 | -0.0699 | 0.0041 | 3.03 | 0.0817 |
| Dispersion | 1 | 0.0024 | 0.0147 | 0.0000 | 355.2930 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00854 | -0.18101 | 0.11030 | 0.21501 |
| 2 | 1.00854 | 0.00293 | -0.00174 | -0.00109 |
| 3 | 1.00854 | -0.00174 | 0.00415 | -0.00004 |
| 4 | 1.00854 | -0.00109 | -0.00004 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA111 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.6005 | 1.0629 |
| Scaled Deviance | 996 | 1058.6005 | 1.0629 |
| Pearson Chi-Square | 996 | 999.2198 | 1.0032 |
| Scaled Pearson X2 | 996 | 999.2198 | 1.0032 |
| Log Likelihood | | 484.8379 | |
| Full Log Likelihood | | -1971.5582 | |
| AIC (smaller is better) | | 3953.1164 | |
| AICC (smaller is better) | | 3953.1768 | |
| BIC (smaller is better) | | 3977.6552 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008511 | -0.000576 | 0.0000391 | -0.000310 | 2.0452E-6 |
| Prm2 | -0.000576 | 0.001391 | -0.000058 | 9.018E-6 | 8.3175E-7 |
| Prm3 | 0.0000391 | -0.000058 | 0.0002863 | -0.000041 | -7.259E-7 |
| Prm4 | -0.000310 | 9.018E-6 | -0.000041 | 0.0003380 | -2.472E-6 |
| Dispersion | 2.0452E-6 | 8.3175E-7 | -7.259E-7 | -2.472E-6 | 0.0002160 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2267 | 0.0292 | 1.1696 | 1.2839 | 1768.13 | <.0001 |
| A | 1 | -0.0370 | 0.0373 | -0.1101 | 0.0361 | 0.98 | 0.3216 |
| M_cont | 1 | -0.0024 | 0.0169 | -0.0355 | 0.0308 | 0.02 | 0.8880 |
| C | 1 | -0.0640 | 0.0184 | -0.1000 | -0.0279 | 12.10 | 0.0005 |
| Dispersion | 1 | 0.0177 | 0.0147 | 0.0035 | 0.0902 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08265 | -0.14022 | 0.19936 | 0.14990 |
| 2 | 1.08265 | 0.00313 | -0.00203 | -0.00113 |
| 3 | 1.08265 | -0.00203 | 0.00481 | 0.00000 |
| 4 | 1.08265 | -0.00113 | 0.00000 | 0.00116 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA112 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1014.9768 | 1.0191 |
| Scaled Deviance | 996 | 1014.9768 | 1.0191 |
| Pearson Chi-Square | 996 | 985.1325 | 0.9891 |
| Scaled Pearson X2 | 996 | 985.1325 | 0.9891 |
| Log Likelihood | | 494.0556 | |
| Full Log Likelihood | | -1939.5626 | |
| AIC (smaller is better) | | 3889.1251 | |
| AICC (smaller is better) | | 3889.1855 | |
| BIC (smaller is better) | | 3913.6639 | |

WARNING: The relative Hessian convergence criterion of 1.010813989 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008309 | -0.000513 | 0.0000611 | -0.000329 | 0 |
| Prm2 | -0.000513 | 0.001347 | -0.000023 | 8.8802E-6 | 0 |
| Prm3 | 0.0000611 | -0.000023 | 0.0002717 | -0.000066 | 0 |
| Prm4 | -0.000329 | 8.8802E-6 | -0.000066 | 0.0003311 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2092 | 0.0288 | 1.1527 | 1.2657 | 1759.83 | <.0001 |
| A | 1 | -0.0572 | 0.0367 | -0.1291 | 0.0148 | 2.43 | 0.1193 |
| M_cont | 1 | 0.0220 | 0.0165 | -0.0103 | 0.0543 | 1.78 | 0.1816 |
| C | 1 | -0.0334 | 0.0182 | -0.0691 | 0.0023 | 3.37 | 0.0664 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08028 | -0.25164 | 0.083444 | 0.24664 |
| 2 | 1.08028 | 0.00314 | -0.001927 | -0.00120 |
| 3 | 1.08028 | -0.00193 | 0.004915 | 0.00002 |
| 4 | 1.08028 | -0.00120 | 0.000020 | 0.00117 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA113 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1031.7000 | 1.0358 |
| Scaled Deviance | 996 | 1031.7000 | 1.0358 |
| Pearson Chi-Square | 996 | 964.8079 | 0.9687 |
| Scaled Pearson X2 | 996 | 964.8079 | 0.9687 |
| Log Likelihood | | 336.8663 | |
| Full Log Likelihood | | -1916.0619 | |
| AIC (smaller is better) | | 3842.1238 | |
| AICC (smaller is better) | | 3842.1841 | |
| BIC (smaller is better) | | 3866.6625 | |

WARNING: The relative Hessian convergence criterion of 8.3393350672 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009848 | -0.000618 | 0.0000543 | -0.000361 | 0 |
| Prm2 | -0.000618 | 0.001355 | -0.000043 | 0.0000383 | 0 |
| Prm3 | 0.0000543 | -0.000043 | 0.0003166 | -0.000061 | 0 |
| Prm4 | -0.000361 | 0.0000383 | -0.000061 | 0.0003199 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1546 | 0.0314 | 1.0931 | 1.2161 | 1353.55 | <.0001 |
| A | 1 | -0.0584 | 0.0368 | -0.1305 | 0.0137 | 2.52 | 0.1126 |
| M_cont | 1 | 0.0372 | 0.0178 | 0.0023 | 0.0721 | 4.38 | 0.0364 |
| C | 1 | -0.0202 | 0.0179 | -0.0553 | 0.0148 | 1.28 | 0.2580 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02404 | -0.20327 | 0.12395 | 0.19084 |
| 2 | 1.02404 | 0.00318 | -0.00198 | -0.00113 |
| 3 | 1.02404 | -0.00198 | 0.00426 | 0.00009 |
| 4 | 1.02404 | -0.00113 | 0.00009 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA114 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1046.8386 | 1.0510 |
| Scaled Deviance | 996 | 1046.8386 | 1.0510 |
| Pearson Chi-Square | 996 | 1001.4394 | 1.0055 |
| Scaled Pearson X2 | 996 | 1001.4394 | 1.0055 |
| Log Likelihood | | 331.7058 | |
| Full Log Likelihood | | -1935.3601 | |
| AIC (smaller is better) | | 3880.7201 | |
| AICC (smaller is better) | | 3880.7805 | |
| BIC (smaller is better) | | 3905.2589 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008840 | -0.000552 | 0.0000602 | -0.000337 | 1.5619E-7 |
| Prm2 | -0.000552 | 0.001460 | -0.000051 | 7.3917E-6 | 4.9278E-8 |
| Prm3 | 0.0000602 | -0.000051 | 0.0003123 | -0.000056 | -2.308E-7 |
| Prm4 | -0.000337 | 7.3917E-6 | -0.000056 | 0.0003342 | -1.592E-7 |
| Dispersion | 1.5619E-7 | 4.9278E-8 | -2.308E-7 | -1.592E-7 | 0.0002154 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1399 | 0.0297 | 1.0816 | 1.1982 | 1469.92 | <.0001 |
| A | 1 | -0.0013 | 0.0382 | -0.0762 | 0.0736 | 0.00 | 0.9725 |
| M_cont | 1 | 0.0033 | 0.0177 | -0.0313 | 0.0380 | 0.04 | 0.8512 |
| C | 1 | -0.0300 | 0.0183 | -0.0658 | 0.0058 | 2.69 | 0.1007 |
| Dispersion | 1 | 0.0103 | 0.0147 | 0.0006 | 0.1690 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04632 | -0.19610 | 0.15896 | 0.18135 |
| 2 | 1.04632 | 0.00287 | -0.00175 | -0.00108 |
| 3 | 1.04632 | -0.00175 | 0.00467 | -0.00000 |
| 4 | 1.04632 | -0.00108 | -0.00000 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA115 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1014.7994 | 1.0189 |
| Scaled Deviance | 996 | 1014.7994 | 1.0189 |
| Pearson Chi-Square | 996 | 959.0002 | 0.9629 |
| Scaled Pearson X2 | 996 | 959.0002 | 0.9629 |
| Log Likelihood | | 380.6714 | |
| Full Log Likelihood | | -1916.4799 | |
| AIC (smaller is better) | | 3842.9597 | |
| AICC (smaller is better) | | 3843.0201 | |
| BIC (smaller is better) | | 3867.4985 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008524 | -0.000542 | 0.0000445 | -0.000313 | 3.236E-10 |
| Prm2 | -0.000542 | 0.001364 | -0.000055 | -8.739E-6 | 4.209E-10 |
| Prm3 | 0.0000445 | -0.000055 | 0.0002904 | -0.000041 | -1.01E-10 |
| Prm4 | -0.000313 | -8.739E-6 | -0.000041 | 0.0003239 | -4.78E-10 |
| Dispersion | 3.236E-10 | 4.209E-10 | -1.01E-10 | -4.78E-10 | 8.036E-8 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2268 | 0.0292 | 1.1695 | 1.2840 | 1765.47 | <.0001 |
| A | 1 | -0.0606 | 0.0369 | -0.1330 | 0.0118 | 2.69 | 0.1007 |
| M_cont | 1 | -0.0057 | 0.0170 | -0.0391 | 0.0277 | 0.11 | 0.7395 |
| C | 1 | -0.0787 | 0.0180 | -0.1140 | -0.0434 | 19.11 | <.0001 |
| Dispersion | 1 | 0.0000 | 0.0003 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06528 | -0.15374 | 0.18620 | 0.15003 |
| 2 | 1.06528 | 0.00318 | -0.00191 | -0.00116 |
| 3 | 1.06528 | -0.00191 | 0.00466 | -0.00005 |
| 4 | 1.06528 | -0.00116 | -0.00005 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA116 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1074.7958 | 1.0791 |
| Scaled Deviance | 996 | 1074.7958 | 1.0791 |
| Pearson Chi-Square | 996 | 1000.4374 | 1.0045 |
| Scaled Pearson X2 | 996 | 1000.4374 | 1.0045 |
| Log Likelihood | | 422.2437 | |
| Full Log Likelihood | | -1957.1447 | |
| AIC (smaller is better) | | 3924.2894 | |
| AICC (smaller is better) | | 3924.3498 | |
| BIC (smaller is better) | | 3948.8282 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009297 | -0.000598 | 0.0000853 | -0.000344 | -2.976E-7 |
| Prm2 | -0.000598 | 0.001367 | -0.000063 | 0.0000287 | 7.6766E-7 |
| Prm3 | 0.0000853 | -0.000063 | 0.0003033 | -0.000064 | -5.923E-7 |
| Prm4 | -0.000344 | 0.0000287 | -0.000064 | 0.0003251 | -1.327E-8 |
| Dispersion | -2.976E-7 | 7.6766E-7 | -5.923E-7 | -1.327E-8 | 0.0002167 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1720 | 0.0305 | 1.1122 | 1.2317 | 1477.35 | <.0001 |
| A | 1 | -0.0404 | 0.0370 | -0.1129 | 0.0320 | 1.20 | 0.2740 |
| M_cont | 1 | 0.0084 | 0.0174 | -0.0257 | 0.0425 | 0.23 | 0.6297 |
| C | 1 | -0.0192 | 0.0180 | -0.0545 | 0.0162 | 1.13 | 0.2881 |
| Dispersion | 1 | 0.0076 | 0.0147 | 0.0002 | 0.3370 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04287 | -0.28872 | 0.20395 | 0.21130 |
| 2 | 1.04287 | 0.00306 | -0.00195 | -0.00110 |
| 3 | 1.04287 | -0.00195 | 0.00445 | 0.00005 |
| 4 | 1.04287 | -0.00110 | 0.00005 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA117 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1077.6727 | 1.0820 |
| Scaled Deviance | 996 | 1077.6727 | 1.0820 |
| Pearson Chi-Square | 996 | 998.3078 | 1.0023 |
| Scaled Pearson X2 | 996 | 998.3078 | 1.0023 |
| Log Likelihood | | 438.0617 | |
| Full Log Likelihood | | -1952.5053 | |
| AIC (smaller is better) | | 3915.0105 | |
| AICC (smaller is better) | | 3915.0709 | |
| BIC (smaller is better) | | 3939.5493 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009171 | -0.000581 | 0.0000804 | -0.000349 | 2.5295E-6 |
| Prm2 | -0.000581 | 0.001344 | -0.000053 | 0.0000166 | -6.752E-7 |
| Prm3 | 0.0000804 | -0.000053 | 0.0003061 | -0.000055 | -4.412E-8 |
| Prm4 | -0.000349 | 0.0000166 | -0.000055 | 0.0003424 | -2.179E-6 |
| Dispersion | 2.5295E-6 | -6.752E-7 | -4.412E-8 | -2.179E-6 | 0.0002060 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2234 | 0.0303 | 1.1641 | 1.2828 | 1632.01 | <.0001 |
| A | 1 | -0.0364 | 0.0367 | -0.1083 | 0.0354 | 0.99 | 0.3204 |
| M_cont | 1 | -0.0078 | 0.0175 | -0.0421 | 0.0265 | 0.20 | 0.6549 |
| C | 1 | -0.0681 | 0.0185 | -0.1044 | -0.0318 | 13.55 | 0.0002 |
| Dispersion | 1 | 0.0044 | 0.0144 | 0.0000 | 2.6101 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03258 | -0.25694 | 0.16698 | 0.18465 |
| 2 | 1.03258 | 0.00312 | -0.00190 | -0.00117 |
| 3 | 1.03258 | -0.00190 | 0.00436 | 0.00003 |
| 4 | 1.03258 | -0.00117 | 0.00003 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA118 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.0801 | 1.0643 |
| Scaled Deviance | 996 | 1060.0801 | 1.0643 |
| Pearson Chi-Square | 996 | 997.1693 | 1.0012 |
| Scaled Pearson X2 | 996 | 997.1693 | 1.0012 |
| Log Likelihood | | 419.6581 | |
| Full Log Likelihood | | -1947.0538 | |
| AIC (smaller is better) | | 3904.1076 | |
| AICC (smaller is better) | | 3904.1679 | |
| BIC (smaller is better) | | 3928.6464 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008794 | -0.000555 | 0.0000627 | -0.000339 | 1.2648E-6 |
| Prm2 | -0.000555 | 0.001410 | -0.000045 | 0.0000300 | 3.02E-7 |
| Prm3 | 0.0000627 | -0.000045 | 0.0002939 | -0.000057 | 4.3538E-7 |
| Prm4 | -0.000339 | 0.0000300 | -0.000057 | 0.0003227 | -1.337E-6 |
| Dispersion | 1.2648E-6 | 3.02E-7 | 4.3538E-7 | -1.337E-6 | 0.0002070 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2252 | 0.0297 | 1.1670 | 1.2833 | 1706.94 | <.0001 |
| A | 1 | -0.0911 | 0.0375 | -0.1646 | -0.0175 | 5.88 | 0.0153 |
| M_cont | 1 | -0.0009 | 0.0171 | -0.0345 | 0.0327 | 0.00 | 0.9578 |
| C | 1 | -0.0547 | 0.0180 | -0.0900 | -0.0195 | 9.29 | 0.0023 |
| Dispersion | 1 | 0.0058 | 0.0144 | 0.0000 | 0.7625 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06127 | -0.22458 | 0.15478 | 0.20667 |
| 2 | 1.06127 | 0.00319 | -0.00195 | -0.00120 |
| 3 | 1.06127 | -0.00195 | 0.00472 | 0.00009 |
| 4 | 1.06127 | -0.00120 | 0.00009 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA119 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1065.0687 | 1.0693 |
| Scaled Deviance | 996 | 1065.0687 | 1.0693 |
| Pearson Chi-Square | 996 | 993.0363 | 0.9970 |
| Scaled Pearson X2 | 996 | 993.0363 | 0.9970 |
| Log Likelihood | | 367.1285 | |
| Full Log Likelihood | | -1937.4994 | |
| AIC (smaller is better) | | 3884.9988 | |
| AICC (smaller is better) | | 3885.0592 | |
| BIC (smaller is better) | | 3909.5376 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008356 | -0.000572 | 0.0000538 | -0.000305 | -1.304E-6 |
| Prm2 | -0.000572 | 0.001392 | -0.000076 | 7.6621E-6 | 9.6194E-7 |
| Prm3 | 0.0000538 | -0.000076 | 0.0003126 | -0.000048 | -1.184E-6 |
| Prm4 | -0.000305 | 7.6621E-6 | -0.000048 | 0.0003395 | 1.0619E-6 |
| Dispersion | -1.304E-6 | 9.6194E-7 | -1.184E-6 | 1.0619E-6 | 0.0002092 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2093 | 0.0289 | 1.1526 | 1.2660 | 1750.05 | <.0001 |
| A | 1 | -0.0958 | 0.0373 | -0.1689 | -0.0227 | 6.60 | 0.0102 |
| M_cont | 1 | 0.0054 | 0.0177 | -0.0292 | 0.0401 | 0.09 | 0.7595 |
| C | 1 | -0.0562 | 0.0184 | -0.0923 | -0.0201 | 9.31 | 0.0023 |
| Dispersion | 1 | 0.0049 | 0.0145 | 0.0000 | 1.6624 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03304 | -0.17757 | 0.23740 | 0.15523 |
| 2 | 1.03304 | 0.00285 | -0.00188 | -0.00102 |
| 3 | 1.03304 | -0.00188 | 0.00435 | 0.00000 |
| 4 | 1.03304 | -0.00102 | 0.00000 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA120 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.6147 | 1.0709 |
| Scaled Deviance | 996 | 1066.6147 | 1.0709 |
| Pearson Chi-Square | 996 | 997.2195 | 1.0012 |
| Scaled Pearson X2 | 996 | 997.2195 | 1.0012 |
| Log Likelihood | | 333.7643 | |
| Full Log Likelihood | | -1933.2733 | |
| AIC (smaller is better) | | 3876.5467 | |
| AICC (smaller is better) | | 3876.6070 | |
| BIC (smaller is better) | | 3901.0855 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009174 | -0.000606 | 0.0000844 | -0.000341 | -2.314E-7 |
| Prm2 | -0.000606 | 0.001383 | -0.000056 | 0.0000239 | 3.0936E-6 |
| Prm3 | 0.0000844 | -0.000056 | 0.0003000 | -0.000066 | 1.3541E-6 |
| Prm4 | -0.000341 | 0.0000239 | -0.000066 | 0.0003438 | -1.149E-6 |
| Dispersion | -2.314E-7 | 3.0936E-6 | 1.3541E-6 | -1.149E-6 | 0.0002130 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1590 | 0.0303 | 1.0997 | 1.2184 | 1464.35 | <.0001 |
| A | 1 | -0.0337 | 0.0372 | -0.1066 | 0.0391 | 0.82 | 0.3641 |
| M_cont | 1 | -0.0296 | 0.0173 | -0.0636 | 0.0043 | 2.92 | 0.0872 |
| C | 1 | -0.0357 | 0.0185 | -0.0720 | 0.0007 | 3.70 | 0.0543 |
| Dispersion | 1 | 0.0045 | 0.0146 | 0.0000 | 2.5964 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06018 | -0.25464 | 0.18941 | 0.22602 |
| 2 | 1.06018 | 0.00313 | -0.00202 | -0.00113 |
| 3 | 1.06018 | -0.00202 | 0.00459 | 0.00005 |
| 4 | 1.06018 | -0.00113 | 0.00005 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA121 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1078.4180 | 1.0827 |
| Scaled Deviance | 996 | 1078.4180 | 1.0827 |
| Pearson Chi-Square | 996 | 998.3000 | 1.0023 |
| Scaled Pearson X2 | 996 | 998.3000 | 1.0023 |
| Log Likelihood | | 426.5035 | |
| Full Log Likelihood | | -1974.6216 | |
| AIC (smaller is better) | | 3959.2432 | |
| AICC (smaller is better) | | 3959.3035 | |
| BIC (smaller is better) | | 3983.7819 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008842 | -0.000581 | 0.0000526 | -0.000323 | 1.4937E-6 |
| Prm2 | -0.000581 | 0.001452 | -0.000058 | -2.135E-6 | 1.5971E-6 |
| Prm3 | 0.0000526 | -0.000058 | 0.0003019 | -0.000048 | -2.335E-6 |
| Prm4 | -0.000323 | -2.135E-6 | -0.000048 | 0.0003447 | -2.056E-6 |
| Dispersion | 1.4937E-6 | 1.5971E-6 | -2.335E-6 | -2.056E-6 | 0.0002408 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2206 | 0.0297 | 1.1623 | 1.2788 | 1684.77 | <.0001 |
| A | 1 | -0.0414 | 0.0381 | -0.1161 | 0.0332 | 1.18 | 0.2767 |
| M_cont | 1 | 0.0064 | 0.0174 | -0.0276 | 0.0405 | 0.14 | 0.7111 |
| C | 1 | -0.0716 | 0.0186 | -0.1080 | -0.0352 | 14.86 | 0.0001 |
| Dispersion | 1 | 0.0248 | 0.0155 | 0.0073 | 0.0846 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07652 | -0.18555 | 0.18072 | 0.16844 |
| 2 | 1.07652 | 0.00312 | -0.00196 | -0.00114 |
| 3 | 1.07652 | -0.00196 | 0.00478 | -0.00002 |
| 4 | 1.07652 | -0.00114 | -0.00002 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA122 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1069.9616 | 1.0743 |
| Scaled Deviance | 996 | 1069.9616 | 1.0743 |
| Pearson Chi-Square | 996 | 1002.1833 | 1.0062 |
| Scaled Pearson X2 | 996 | 1002.1833 | 1.0062 |
| Log Likelihood | | 399.0679 | |
| Full Log Likelihood | | -1954.8462 | |
| AIC (smaller is better) | | 3919.6924 | |
| AICC (smaller is better) | | 3919.7527 | |
| BIC (smaller is better) | | 3944.2311 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008635 | -0.000585 | 0.0000443 | -0.000309 | -7.437E-7 |
| Prm2 | -0.000585 | 0.001389 | -0.000051 | 3.7286E-6 | 1.4278E-6 |
| Prm3 | 0.0000443 | -0.000051 | 0.0003001 | -0.000055 | -3.824E-6 |
| Prm4 | -0.000309 | 3.7286E-6 | -0.000055 | 0.0003403 | 4.6591E-7 |
| Dispersion | -7.437E-7 | 1.4278E-6 | -3.824E-6 | 4.6591E-7 | 0.0002217 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2052 | 0.0294 | 1.1476 | 1.2628 | 1682.09 | <.0001 |
| A | 1 | -0.0801 | 0.0373 | -0.1531 | -0.0071 | 4.62 | 0.0316 |
| M_cont | 1 | 0.0345 | 0.0173 | 0.0006 | 0.0685 | 3.97 | 0.0463 |
| C | 1 | -0.0496 | 0.0184 | -0.0858 | -0.0135 | 7.24 | 0.0071 |
| Dispersion | 1 | 0.0126 | 0.0149 | 0.0012 | 0.1280 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06151 | -0.18146 | 0.15787 | 0.18593 |
| 2 | 1.06151 | 0.00303 | -0.00200 | -0.00106 |
| 3 | 1.06151 | -0.00200 | 0.00457 | -0.00001 |
| 4 | 1.06151 | -0.00106 | -0.00001 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA123 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1052.1229 | 1.0563 |
| Scaled Deviance | 996 | 1052.1229 | 1.0563 |
| Pearson Chi-Square | 996 | 1001.1139 | 1.0051 |
| Scaled Pearson X2 | 996 | 1001.1139 | 1.0051 |
| Log Likelihood | | 418.9717 | |
| Full Log Likelihood | | -1979.2426 | |
| AIC (smaller is better) | | 3968.4852 | |
| AICC (smaller is better) | | 3968.5455 | |
| BIC (smaller is better) | | 3993.0239 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009447 | -0.000616 | 0.0000719 | -0.000344 | 2.3251E-6 |
| Prm2 | -0.000616 | 0.001497 | -0.000075 | 7.4593E-6 | -1.997E-6 |
| Prm3 | 0.0000719 | -0.000075 | 0.0003189 | -0.000055 | -9.372E-7 |
| Prm4 | -0.000344 | 7.4593E-6 | -0.000055 | 0.0003492 | -1.442E-6 |
| Dispersion | 2.3251E-6 | -1.997E-6 | -9.372E-7 | -1.442E-6 | 0.0002506 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2066 | 0.0307 | 1.1463 | 1.2668 | 1540.99 | <.0001 |
| A | 1 | -0.0525 | 0.0387 | -0.1283 | 0.0234 | 1.84 | 0.1750 |
| M_cont | 1 | -0.0163 | 0.0179 | -0.0514 | 0.0187 | 0.84 | 0.3599 |
| C | 1 | -0.0516 | 0.0187 | -0.0883 | -0.0150 | 7.64 | 0.0057 |
| Dispersion | 1 | 0.0350 | 0.0158 | 0.0144 | 0.0849 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05834 | -0.21848 | 0.23448 | 0.18095 |
| 2 | 1.05834 | 0.00306 | -0.00192 | -0.00110 |
| 3 | 1.05834 | -0.00192 | 0.00460 | -0.00002 |
| 4 | 1.05834 | -0.00110 | -0.00002 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA124 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1040.0433 | 1.0442 |
| Scaled Deviance | 996 | 1040.0433 | 1.0442 |
| Pearson Chi-Square | 996 | 999.3122 | 1.0033 |
| Scaled Pearson X2 | 996 | 999.3122 | 1.0033 |
| Log Likelihood | | 397.4017 | |
| Full Log Likelihood | | -1934.8415 | |
| AIC (smaller is better) | | 3879.6830 | |
| AICC (smaller is better) | | 3879.7434 | |
| BIC (smaller is better) | | 3904.2218 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008538 | -0.000570 | 0.0000428 | -0.000316 | -3.988E-7 |
| Prm2 | -0.000570 | 0.001373 | -0.000061 | 0.0000261 | -4.75E-7 |
| Prm3 | 0.0000428 | -0.000061 | 0.0003129 | -0.000049 | -1.422E-6 |
| Prm4 | -0.000316 | 0.0000261 | -0.000049 | 0.0003247 | 7.2917E-7 |
| Dispersion | -3.988E-7 | -4.75E-7 | -1.422E-6 | 7.2917E-7 | 0.0001976 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1928 | 0.0292 | 1.1355 | 1.2500 | 1666.41 | <.0001 |
| A | 1 | -0.0731 | 0.0371 | -0.1457 | -0.0004 | 3.89 | 0.0486 |
| M_cont | 1 | 0.0269 | 0.0177 | -0.0077 | 0.0616 | 2.32 | 0.1278 |
| C | 1 | -0.0390 | 0.0180 | -0.0743 | -0.0036 | 4.67 | 0.0306 |
| Dispersion | 1 | 0.0030 | 0.0141 | 0.0000 | 32.8787 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02520 | -0.16292 | 0.18825 | 0.15762 |
| 2 | 1.02520 | 0.00285 | -0.00186 | -0.00104 |
| 3 | 1.02520 | -0.00186 | 0.00433 | 0.00006 |
| 4 | 1.02520 | -0.00104 | 0.00006 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA125 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1063.3081 | 1.0676 |
| Scaled Deviance | 996 | 1063.3081 | 1.0676 |
| Pearson Chi-Square | 996 | 1001.9836 | 1.0060 |
| Scaled Pearson X2 | 996 | 1001.9836 | 1.0060 |
| Log Likelihood | | 430.4958 | |
| Full Log Likelihood | | -1953.3944 | |
| AIC (smaller is better) | | 3916.7888 | |
| AICC (smaller is better) | | 3916.8491 | |
| BIC (smaller is better) | | 3941.3275 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008201 | -0.000567 | 0.0000367 | -0.000284 | 1.0021E-7 |
| Prm2 | -0.000567 | 0.001361 | -0.000032 | 0.0000144 | -5.135E-7 |
| Prm3 | 0.0000367 | -0.000032 | 0.0003056 | -0.000045 | -1.064E-6 |
| Prm4 | -0.000284 | 0.0000144 | -0.000045 | 0.0003037 | 1.7851E-7 |
| Dispersion | 1.0021E-7 | -5.135E-7 | -1.064E-6 | 1.7851E-7 | 0.0002094 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1951 | 0.0286 | 1.1390 | 1.2512 | 1741.71 | <.0001 |
| A | 1 | -0.0577 | 0.0369 | -0.1300 | 0.0146 | 2.45 | 0.1176 |
| M_cont | 1 | 0.0181 | 0.0175 | -0.0162 | 0.0524 | 1.07 | 0.3006 |
| C | 1 | -0.0374 | 0.0174 | -0.0715 | -0.0032 | 4.60 | 0.0319 |
| Dispersion | 1 | 0.0070 | 0.0145 | 0.0001 | 0.3961 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03860 | -0.14159 | 0.10250 | 0.14969 |
| 2 | 1.03860 | 0.00280 | -0.00190 | -0.00096 |
| 3 | 1.03860 | -0.00190 | 0.00443 | 0.00004 |
| 4 | 1.03860 | -0.00096 | 0.00004 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA126 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1036.4956 | 1.0407 |
| Scaled Deviance | 996 | 1036.4956 | 1.0407 |
| Pearson Chi-Square | 996 | 985.3013 | 0.9893 |
| Scaled Pearson X2 | 996 | 985.3013 | 0.9893 |
| Log Likelihood | | 412.1186 | |
| Full Log Likelihood | | -1931.7648 | |
| AIC (smaller is better) | | 3873.5296 | |
| AICC (smaller is better) | | 3873.5900 | |
| BIC (smaller is better) | | 3898.0684 | |

WARNING: The relative Hessian convergence criterion of 1.621212108 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008714 | -0.000575 | 0.0000619 | -0.000327 | 0 |
| Prm2 | -0.000575 | 0.001353 | -0.000082 | 0.0000249 | 0 |
| Prm3 | 0.0000619 | -0.000082 | 0.0003095 | -0.000054 | 0 |
| Prm4 | -0.000327 | 0.0000249 | -0.000054 | 0.0003302 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1917 | 0.0295 | 1.1339 | 1.2496 | 1629.80 | <.0001 |
| A | 1 | -0.0395 | 0.0368 | -0.1116 | 0.0326 | 1.15 | 0.2832 |
| M_cont | 1 | 0.0161 | 0.0176 | -0.0184 | 0.0506 | 0.84 | 0.3598 |
| C | 1 | -0.0452 | 0.0182 | -0.0808 | -0.0095 | 6.17 | 0.0130 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02327 | -0.21389 | 0.25774 | 0.17527 |
| 2 | 1.02327 | 0.00291 | -0.00185 | -0.00107 |
| 3 | 1.02327 | -0.00185 | 0.00430 | 0.00004 |
| 4 | 1.02327 | -0.00107 | 0.00004 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA127 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 991.1488 | 0.9951 |
| Scaled Deviance | 996 | 991.1488 | 0.9951 |
| Pearson Chi-Square | 996 | 933.3543 | 0.9371 |
| Scaled Pearson X2 | 996 | 933.3543 | 0.9371 |
| Log Likelihood | | 461.7735 | |
| Full Log Likelihood | | -1921.0758 | |
| AIC (smaller is better) | | 3852.1516 | |
| AICC (smaller is better) | | 3852.2119 | |
| BIC (smaller is better) | | 3876.6904 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009071 | -0.000566 | -8.737E-6 | -0.000325 | -7.36E-10 |
| Prm2 | -0.000566 | 0.001321 | -9.296E-6 | 0.0000274 | 4.131E-10 |
| Prm3 | -8.737E-6 | -9.296E-6 | 0.0002955 | -0.000031 | -5.833E-9 |
| Prm4 | -0.000325 | 0.0000274 | -0.000031 | 0.0002907 | 1.3207E-9 |
| Dispersion | -7.36E-10 | 4.131E-10 | -5.833E-9 | 1.3207E-9 | 2.3587E-6 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1979 | 0.0301 | 1.1388 | 1.2569 | 1581.92 | <.0001 |
| A | 1 | -0.1045 | 0.0363 | -0.1757 | -0.0333 | 8.27 | 0.0040 |
| M_cont | 1 | 0.0089 | 0.0172 | -0.0248 | 0.0426 | 0.27 | 0.6044 |
| C | 1 | -0.0090 | 0.0170 | -0.0424 | 0.0244 | 0.28 | 0.5977 |
| Dispersion | 1 | 0.0000 | 0.0015 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04047 | 0.021166 | 0.030383 | 0.10366 |
| 2 | 1.04047 | 0.003195 | -0.002011 | -0.00113 |
| 3 | 1.04047 | -0.002011 | 0.004420 | 0.00009 |
| 4 | 1.04047 | -0.001126 | 0.000091 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA128 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1090.8201 | 1.0952 |
| Scaled Deviance | 996 | 1090.8201 | 1.0952 |
| Pearson Chi-Square | 996 | 997.4523 | 1.0015 |
| Scaled Pearson X2 | 996 | 997.4523 | 1.0015 |
| Log Likelihood | | 457.5184 | |
| Full Log Likelihood | | -1954.0347 | |
| AIC (smaller is better) | | 3918.0694 | |
| AICC (smaller is better) | | 3918.1297 | |
| BIC (smaller is better) | | 3942.6081 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008359 | -0.000566 | 0.0000333 | -0.000304 | 1.1768E-7 |
| Prm2 | -0.000566 | 0.001321 | -0.000060 | 0.0000187 | -1.584E-6 |
| Prm3 | 0.0000333 | -0.000060 | 0.0002968 | -0.000037 | -8.281E-7 |
| Prm4 | -0.000304 | 0.0000187 | -0.000037 | 0.0003233 | 6.5426E-7 |
| Dispersion | 1.1768E-7 | -1.584E-6 | -8.281E-7 | 6.5426E-7 | 0.0001992 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2105 | 0.0289 | 1.1538 | 1.2671 | 1752.88 | <.0001 |
| A | 1 | -0.0214 | 0.0364 | -0.0926 | 0.0499 | 0.35 | 0.5565 |
| M_cont | 1 | 0.0044 | 0.0172 | -0.0294 | 0.0382 | 0.07 | 0.7977 |
| C | 1 | -0.0605 | 0.0180 | -0.0958 | -0.0253 | 11.33 | 0.0008 |
| Dispersion | 1 | 0.0002 | 0.0141 | 0.0000 | 7.384E66 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03942 | -0.12250 | 0.20359 | 0.13150 |
| 2 | 1.03942 | 0.00297 | -0.00192 | -0.00109 |
| 3 | 1.03942 | -0.00192 | 0.00443 | 0.00004 |
| 4 | 1.03942 | -0.00109 | 0.00004 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA129 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1045.4998 | 1.0497 |
| Scaled Deviance | 996 | 1045.4998 | 1.0497 |
| Pearson Chi-Square | 996 | 1000.0007 | 1.0040 |
| Scaled Pearson X2 | 996 | 1000.0007 | 1.0040 |
| Log Likelihood | | 437.4190 | |
| Full Log Likelihood | | -1943.2663 | |
| AIC (smaller is better) | | 3896.5326 | |
| AICC (smaller is better) | | 3896.5930 | |
| BIC (smaller is better) | | 3921.0714 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008855 | -0.000557 | 0.0000806 | -0.000334 | -1.522E-7 |
| Prm2 | -0.000557 | 0.001329 | -0.000066 | -6.02E-6 | 7.0363E-7 |
| Prm3 | 0.0000806 | -0.000066 | 0.0002758 | -0.000058 | -2.984E-7 |
| Prm4 | -0.000334 | -6.02E-6 | -0.000058 | 0.0003413 | -1.431E-7 |
| Dispersion | -1.522E-7 | 7.0363E-7 | -2.984E-7 | -1.431E-7 | 0.0001958 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1620 | 0.0298 | 1.1036 | 1.2203 | 1524.66 | <.0001 |
| A | 1 | -0.0094 | 0.0365 | -0.0809 | 0.0620 | 0.07 | 0.7963 |
| M_cont | 1 | 0.0065 | 0.0166 | -0.0261 | 0.0390 | 0.15 | 0.6967 |
| C | 1 | -0.0184 | 0.0185 | -0.0546 | 0.0178 | 0.99 | 0.3201 |
| Dispersion | 1 | 0.0007 | 0.0140 | 0.0000 | 1.113E15 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07964 | -0.29940 | 0.23605 | 0.21238 |
| 2 | 1.07964 | 0.00318 | -0.00196 | -0.00117 |
| 3 | 1.07964 | -0.00196 | 0.00477 | -0.00007 |
| 4 | 1.07964 | -0.00117 | -0.00007 | 0.00120 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA130 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1044.3760 | 1.0486 |
| Scaled Deviance | 996 | 1044.3760 | 1.0486 |
| Pearson Chi-Square | 996 | 990.6265 | 0.9946 |
| Scaled Pearson X2 | 996 | 990.6265 | 0.9946 |
| Log Likelihood | | 412.0387 | |
| Full Log Likelihood | | -1935.8250 | |
| AIC (smaller is better) | | 3881.6500 | |
| AICC (smaller is better) | | 3881.7104 | |
| BIC (smaller is better) | | 3906.1888 | |

WARNING: The relative Hessian convergence criterion of 0.5306963219 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008842 | -0.000553 | 0.0000395 | -0.000330 | 0 |
| Prm2 | -0.000553 | 0.001339 | -0.000035 | 8.2243E-6 | 0 |
| Prm3 | 0.0000395 | -0.000035 | 0.0002970 | -0.000045 | 0 |
| Prm4 | -0.000330 | 8.2243E-6 | -0.000045 | 0.0003223 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2047 | 0.0297 | 1.1465 | 1.2630 | 1641.48 | <.0001 |
| A | 1 | -0.0830 | 0.0366 | -0.1547 | -0.0113 | 5.15 | 0.0232 |
| M_cont | 1 | 0.0047 | 0.0172 | -0.0291 | 0.0384 | 0.07 | 0.7869 |
| C | 1 | -0.0373 | 0.0180 | -0.0725 | -0.0021 | 4.32 | 0.0377 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04366 | -0.13935 | 0.11505 | 0.15444 |
| 2 | 1.04366 | 0.00313 | -0.00193 | -0.00114 |
| 3 | 1.04366 | -0.00193 | 0.00445 | 0.00002 |
| 4 | 1.04366 | -0.00114 | 0.00002 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA131 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1034.8633 | 1.0390 |
| Scaled Deviance | 996 | 1034.8633 | 1.0390 |
| Pearson Chi-Square | 996 | 988.2826 | 0.9923 |
| Scaled Pearson X2 | 996 | 988.2826 | 0.9923 |
| Log Likelihood | | 427.8918 | |
| Full Log Likelihood | | -1933.3387 | |
| AIC (smaller is better) | | 3876.6775 | |
| AICC (smaller is better) | | 3876.7378 | |
| BIC (smaller is better) | | 3901.2163 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008366 | -0.000571 | 0.0000635 | -0.000300 | -6.55E-10 |
| Prm2 | -0.000571 | 0.001355 | -0.000064 | 0.0000311 | 3.5235E-9 |
| Prm3 | 0.0000635 | -0.000064 | 0.0002952 | -0.000042 | 6.3049E-9 |
| Prm4 | -0.000300 | 0.0000311 | -0.000042 | 0.0002998 | -9.93E-10 |
| Dispersion | -6.55E-10 | 3.5235E-9 | 6.3049E-9 | -9.93E-10 | 7.8693E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1977 | 0.0289 | 1.1410 | 1.2544 | 1714.62 | <.0001 |
| A | 1 | -0.1182 | 0.0368 | -0.1904 | -0.0461 | 10.32 | 0.0013 |
| M_cont | 1 | -0.0228 | 0.0172 | -0.0565 | 0.0108 | 1.77 | 0.1836 |
| C | 1 | -0.0133 | 0.0173 | -0.0472 | 0.0206 | 0.59 | 0.4429 |
| Dispersion | 1 | 0.0000 | 0.0009 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04586 | -0.19434 | 0.21760 | 0.14641 |
| 2 | 1.04586 | 0.00294 | -0.00199 | -0.00101 |
| 3 | 1.04586 | -0.00199 | 0.00447 | 0.00008 |
| 4 | 1.04586 | -0.00101 | 0.00008 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA132 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1005.1993 | 1.0092 |
| Scaled Deviance | 996 | 1005.1993 | 1.0092 |
| Pearson Chi-Square | 996 | 945.8254 | 0.9496 |
| Scaled Pearson X2 | 996 | 945.8254 | 0.9496 |
| Log Likelihood | | 329.5772 | |
| Full Log Likelihood | | -1904.8384 | |
| AIC (smaller is better) | | 3819.6769 | |
| AICC (smaller is better) | | 3819.7372 | |
| BIC (smaller is better) | | 3844.2157 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009220 | -0.000603 | 0.0000379 | -0.000337 | -1.16E-10 |
| Prm2 | -0.000603 | 0.001356 | -0.000050 | 0.0000247 | -1.33E-10 |
| Prm3 | 0.0000379 | -0.000050 | 0.0003081 | -0.000047 | -1.25E-10 |
| Prm4 | -0.000337 | 0.0000247 | -0.000047 | 0.0003313 | 1.824E-10 |
| Dispersion | -1.16E-10 | -1.33E-10 | -1.25E-10 | 1.824E-10 | 3.9974E-8 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1613 | 0.0304 | 1.1018 | 1.2208 | 1462.70 | <.0001 |
| A | 1 | -0.0268 | 0.0368 | -0.0989 | 0.0454 | 0.53 | 0.4676 |
| M_cont | 1 | 0.0081 | 0.0176 | -0.0263 | 0.0425 | 0.21 | 0.6445 |
| C | 1 | -0.0418 | 0.0182 | -0.0775 | -0.0062 | 5.28 | 0.0215 |
| Dispersion | 1 | 0.0000 | 0.0002 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04056 | -0.13401 | 0.16664 | 0.15479 |
| 2 | 1.04056 | 0.00313 | -0.00199 | -0.00113 |
| 3 | 1.04056 | -0.00199 | 0.00441 | 0.00006 |
| 4 | 1.04056 | -0.00113 | 0.00006 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA133 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1024.9257 | 1.0290 |
| Scaled Deviance | 996 | 1024.9257 | 1.0290 |
| Pearson Chi-Square | 996 | 966.4399 | 0.9703 |
| Scaled Pearson X2 | 996 | 966.4399 | 0.9703 |
| Log Likelihood | | 335.2097 | |
| Full Log Likelihood | | -1914.7472 | |
| AIC (smaller is better) | | 3839.4943 | |
| AICC (smaller is better) | | 3839.5547 | |
| BIC (smaller is better) | | 3864.0331 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008926 | -0.000560 | 0.0000950 | -0.000329 | 6.247E-11 |
| Prm2 | -0.000560 | 0.001384 | -0.000080 | -0.000012 | 1.6881E-9 |
| Prm3 | 0.0000950 | -0.000080 | 0.0003019 | -0.000058 | -1.349E-9 |
| Prm4 | -0.000329 | -0.000012 | -0.000058 | 0.0003318 | -7.55E-10 |
| Dispersion | 6.247E-11 | 1.6881E-9 | -1.349E-9 | -7.55E-10 | 3.9897E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1609 | 0.0299 | 1.1024 | 1.2195 | 1509.90 | <.0001 |
| A | 1 | -0.0218 | 0.0372 | -0.0947 | 0.0511 | 0.34 | 0.5578 |
| M_cont | 1 | -0.0016 | 0.0174 | -0.0357 | 0.0324 | 0.01 | 0.9247 |
| C | 1 | -0.0412 | 0.0182 | -0.0769 | -0.0055 | 5.12 | 0.0236 |
| Dispersion | 1 | 0.0000 | 0.0006 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04811 | -0.31880 | 0.26486 | 0.19718 |
| 2 | 1.04811 | 0.00299 | -0.00181 | -0.00109 |
| 3 | 1.04811 | -0.00181 | 0.00452 | -0.00008 |
| 4 | 1.04811 | -0.00109 | -0.00008 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA134 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1027.1371 | 1.0313 |
| Scaled Deviance | 996 | 1027.1371 | 1.0313 |
| Pearson Chi-Square | 996 | 971.8226 | 0.9757 |
| Scaled Pearson X2 | 996 | 971.8226 | 0.9757 |
| Log Likelihood | | 475.2072 | |
| Full Log Likelihood | | -1934.7458 | |
| AIC (smaller is better) | | 3879.4916 | |
| AICC (smaller is better) | | 3879.5520 | |
| BIC (smaller is better) | | 3904.0304 | |

WARNING: The relative Hessian convergence criterion of 3.6158739791 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008063 | -0.000507 | 0.0000298 | -0.000320 | 0 |
| Prm2 | -0.000507 | 0.001374 | -0.000044 | 2.3846E-6 | 0 |
| Prm3 | 0.0000298 | -0.000044 | 0.0002960 | -0.000021 | 0 |
| Prm4 | -0.000320 | 2.3846E-6 | -0.000021 | 0.0003374 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2720 | 0.0284 | 1.2163 | 1.3276 | 2006.61 | <.0001 |
| A | 1 | -0.1102 | 0.0371 | -0.1828 | -0.0375 | 8.83 | 0.0030 |
| M_cont | 1 | -0.0059 | 0.0172 | -0.0396 | 0.0278 | 0.12 | 0.7319 |
| C | 1 | -0.0848 | 0.0184 | -0.1208 | -0.0488 | 21.31 | <.0001 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04633 | -0.10759 | 0.15868 | 0.081067 |
| 2 | 1.04633 | 0.00302 | -0.00180 | -0.001177 |
| 3 | 1.04633 | -0.00180 | 0.00459 | -0.000003 |
| 4 | 1.04633 | -0.00118 | -0.00000 | 0.001146 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA135 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1061.1529 | 1.0654 |
| Scaled Deviance | 996 | 1061.1529 | 1.0654 |
| Pearson Chi-Square | 996 | 1000.9539 | 1.0050 |
| Scaled Pearson X2 | 996 | 1000.9539 | 1.0050 |
| Log Likelihood | | 435.0689 | |
| Full Log Likelihood | | -1954.9631 | |
| AIC (smaller is better) | | 3919.9261 | |
| AICC (smaller is better) | | 3919.9865 | |
| BIC (smaller is better) | | 3944.4649 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008461 | -0.000581 | 0.0000473 | -0.000302 | -3.66E-7 |
| Prm2 | -0.000581 | 0.001363 | -0.000048 | 0.0000193 | 1.0833E-6 |
| Prm3 | 0.0000473 | -0.000048 | 0.0003145 | -0.000045 | -7.645E-7 |
| Prm4 | -0.000302 | 0.0000193 | -0.000045 | 0.0003226 | -5.746E-8 |
| Dispersion | -3.66E-7 | 1.0833E-6 | -7.645E-7 | -5.746E-8 | 0.0002091 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1984 | 0.0291 | 1.1414 | 1.2554 | 1697.34 | <.0001 |
| A | 1 | -0.0483 | 0.0369 | -0.1207 | 0.0241 | 1.71 | 0.1907 |
| M_cont | 1 | 0.0070 | 0.0177 | -0.0278 | 0.0417 | 0.15 | 0.6950 |
| C | 1 | -0.0428 | 0.0180 | -0.0780 | -0.0076 | 5.68 | 0.0171 |
| Dispersion | 1 | 0.0086 | 0.0145 | 0.0003 | 0.2294 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02413 | -0.16178 | 0.15293 | 0.14910 |
| 2 | 1.02413 | 0.00280 | -0.00188 | -0.00099 |
| 3 | 1.02413 | -0.00188 | 0.00429 | 0.00005 |
| 4 | 1.02413 | -0.00099 | 0.00005 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA136 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1065.6903 | 1.0700 |
| Scaled Deviance | 996 | 1065.6903 | 1.0700 |
| Pearson Chi-Square | 996 | 1001.3237 | 1.0053 |
| Scaled Pearson X2 | 996 | 1001.3237 | 1.0053 |
| Log Likelihood | | 377.4388 | |
| Full Log Likelihood | | -1958.1329 | |
| AIC (smaller is better) | | 3926.2658 | |
| AICC (smaller is better) | | 3926.3262 | |
| BIC (smaller is better) | | 3950.8046 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008192 | -0.000562 | 0.0000466 | -0.000273 | -1.859E-6 |
| Prm2 | -0.000562 | 0.001443 | -0.000051 | -0.000033 | 1.6911E-6 |
| Prm3 | 0.0000466 | -0.000051 | 0.0003100 | -0.000053 | -1.985E-6 |
| Prm4 | -0.000273 | -0.000033 | -0.000053 | 0.0003244 | 1.3928E-6 |
| Dispersion | -1.859E-6 | 1.6911E-6 | -1.985E-6 | 1.3928E-6 | 0.0002303 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1954 | 0.0286 | 1.1393 | 1.2515 | 1744.22 | <.0001 |
| A | 1 | -0.0745 | 0.0380 | -0.1489 | -0.0000 | 3.84 | 0.0499 |
| M_cont | 1 | 0.0185 | 0.0176 | -0.0160 | 0.0530 | 1.10 | 0.2937 |
| C | 1 | -0.0485 | 0.0180 | -0.0838 | -0.0132 | 7.26 | 0.0071 |
| Dispersion | 1 | 0.0201 | 0.0152 | 0.0045 | 0.0884 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05707 | -0.17038 | 0.15446 | 0.17547 |
| 2 | 1.05707 | 0.00277 | -0.00185 | -0.00091 |
| 3 | 1.05707 | -0.00185 | 0.00457 | -0.00013 |
| 4 | 1.05707 | -0.00091 | -0.00013 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA137 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1038.7543 | 1.0429 |
| Scaled Deviance | 996 | 1038.7543 | 1.0429 |
| Pearson Chi-Square | 996 | 1000.8509 | 1.0049 |
| Scaled Pearson X2 | 996 | 1000.8509 | 1.0049 |
| Log Likelihood | | 452.5616 | |
| Full Log Likelihood | | -1962.7382 | |
| AIC (smaller is better) | | 3935.4764 | |
| AICC (smaller is better) | | 3935.5367 | |
| BIC (smaller is better) | | 3960.0152 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009271 | -0.000581 | 0.0000553 | -0.000337 | 1.6752E-7 |
| Prm2 | -0.000581 | 0.001387 | -0.000037 | 3.5801E-6 | -3.501E-7 |
| Prm3 | 0.0000553 | -0.000037 | 0.0002982 | -0.000064 | -4.99E-7 |
| Prm4 | -0.000337 | 3.5801E-6 | -0.000064 | 0.0003256 | 2.3346E-8 |
| Dispersion | 1.6752E-7 | -3.501E-7 | -4.99E-7 | 2.3346E-8 | 0.0002131 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1863 | 0.0304 | 1.1266 | 1.2459 | 1517.86 | <.0001 |
| A | 1 | -0.0076 | 0.0372 | -0.0806 | 0.0654 | 0.04 | 0.8378 |
| M_cont | 1 | 0.0064 | 0.0173 | -0.0274 | 0.0403 | 0.14 | 0.7105 |
| C | 1 | -0.0379 | 0.0180 | -0.0733 | -0.0025 | 4.41 | 0.0356 |
| Dispersion | 1 | 0.0175 | 0.0146 | 0.0034 | 0.0897 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06218 | -0.19288 | 0.11928 | 0.21635 |
| 2 | 1.06218 | 0.00317 | -0.00193 | -0.00113 |
| 3 | 1.06218 | -0.00193 | 0.00463 | -0.00001 |
| 4 | 1.06218 | -0.00113 | -0.00001 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA138 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1037.6209 | 1.0418 |
| Scaled Deviance | 996 | 1037.6209 | 1.0418 |
| Pearson Chi-Square | 996 | 976.8157 | 0.9807 |
| Scaled Pearson X2 | 996 | 976.8157 | 0.9807 |
| Log Likelihood | | 514.1869 | |
| Full Log Likelihood | | -1947.6186 | |
| AIC (smaller is better) | | 3905.2373 | |
| AICC (smaller is better) | | 3905.2976 | |
| BIC (smaller is better) | | 3929.7760 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008217 | -0.000521 | 0.0000393 | -0.000298 | 3.7731E-8 |
| Prm2 | -0.000521 | 0.001314 | -0.000060 | -6.123E-6 | -1.8E-8 |
| Prm3 | 0.0000393 | -0.000060 | 0.0002739 | -0.000042 | -1.414E-8 |
| Prm4 | -0.000298 | -6.123E-6 | -0.000042 | 0.0003025 | -2.805E-8 |
| Dispersion | 3.7731E-8 | -1.8E-8 | -1.414E-8 | -2.805E-8 | 3.5345E-6 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2289 | 0.0287 | 1.1727 | 1.2850 | 1837.78 | <.0001 |
| A | 1 | -0.0896 | 0.0363 | -0.1607 | -0.0185 | 6.11 | 0.0135 |
| M_cont | 1 | -0.0019 | 0.0165 | -0.0343 | 0.0306 | 0.01 | 0.9109 |
| C | 1 | -0.0309 | 0.0174 | -0.0649 | 0.0032 | 3.15 | 0.0761 |
| Dispersion | 1 | 0.0000 | 0.0019 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07403 | -0.14555 | 0.21938 | 0.15637 |
| 2 | 1.07403 | 0.00316 | -0.00197 | -0.00112 |
| 3 | 1.07403 | -0.00197 | 0.00471 | -0.00005 |
| 4 | 1.07403 | -0.00112 | -0.00005 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA139 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1065.5847 | 1.0699 |
| Scaled Deviance | 996 | 1065.5847 | 1.0699 |
| Pearson Chi-Square | 996 | 1003.3953 | 1.0074 |
| Scaled Pearson X2 | 996 | 1003.3953 | 1.0074 |
| Log Likelihood | | 390.7777 | |
| Full Log Likelihood | | -1959.4967 | |
| AIC (smaller is better) | | 3928.9934 | |
| AICC (smaller is better) | | 3929.0538 | |
| BIC (smaller is better) | | 3953.5322 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008643 | -0.000567 | 8.3955E-6 | -0.000301 | 2.5232E-6 |
| Prm2 | -0.000567 | 0.001424 | -0.000034 | -0.000014 | 7.0447E-7 |
| Prm3 | 8.3955E-6 | -0.000034 | 0.0003318 | -0.000039 | -1.107E-6 |
| Prm4 | -0.000301 | -0.000014 | -0.000039 | 0.0003251 | -2.69E-6 |
| Dispersion | 2.5232E-6 | 7.0447E-7 | -1.107E-6 | -2.69E-6 | 0.0002326 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1899 | 0.0294 | 1.1323 | 1.2476 | 1638.27 | <.0001 |
| A | 1 | -0.0107 | 0.0377 | -0.0847 | 0.0632 | 0.08 | 0.7764 |
| M_cont | 1 | -0.0045 | 0.0182 | -0.0402 | 0.0312 | 0.06 | 0.8041 |
| C | 1 | -0.0609 | 0.0180 | -0.0963 | -0.0256 | 11.42 | 0.0007 |
| Dispersion | 1 | 0.0186 | 0.0153 | 0.0037 | 0.0929 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01905 | -0.022224 | 0.10189 | 0.12089 |
| 2 | 1.01905 | 0.002749 | -0.00173 | -0.00097 |
| 3 | 1.01905 | -0.001728 | 0.00428 | -0.00004 |
| 4 | 1.01905 | -0.000973 | -0.00004 | 0.00097 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA140 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1081.4356 | 1.0858 |
| Scaled Deviance | 996 | 1081.4356 | 1.0858 |
| Pearson Chi-Square | 996 | 995.5421 | 0.9995 |
| Scaled Pearson X2 | 996 | 995.5421 | 0.9995 |
| Log Likelihood | | 430.6717 | |
| Full Log Likelihood | | -1966.7387 | |
| AIC (smaller is better) | | 3943.4774 | |
| AICC (smaller is better) | | 3943.5378 | |
| BIC (smaller is better) | | 3968.0162 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009378 | -0.000644 | 0.0000474 | -0.000351 | 1.918E-6 |
| Prm2 | -0.000644 | 0.001408 | -0.000030 | 0.0000715 | -1.887E-6 |
| Prm3 | 0.0000474 | -0.000030 | 0.0002918 | -0.000059 | -1.478E-6 |
| Prm4 | -0.000351 | 0.0000715 | -0.000059 | 0.0003362 | -1.021E-6 |
| Dispersion | 1.918E-6 | -1.887E-6 | -1.478E-6 | -1.021E-6 | 0.0002283 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2253 | 0.0306 | 1.1653 | 1.2854 | 1601.08 | <.0001 |
| A | 1 | -0.0749 | 0.0375 | -0.1484 | -0.0014 | 3.98 | 0.0459 |
| M_cont | 1 | 0.0075 | 0.0171 | -0.0260 | 0.0409 | 0.19 | 0.6625 |
| C | 1 | -0.0590 | 0.0183 | -0.0949 | -0.0231 | 10.35 | 0.0013 |
| Dispersion | 1 | 0.0153 | 0.0151 | 0.0022 | 0.1059 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07813 | -0.17673 | 0.10121 | 0.20829 |
| 2 | 1.07813 | 0.00340 | -0.00227 | -0.00124 |
| 3 | 1.07813 | -0.00227 | 0.00480 | 0.00022 |
| 4 | 1.07813 | -0.00124 | 0.00022 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA141 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1050.7891 | 1.0550 |
| Scaled Deviance | 996 | 1050.7891 | 1.0550 |
| Pearson Chi-Square | 996 | 956.3920 | 0.9602 |
| Scaled Pearson X2 | 996 | 956.3920 | 0.9602 |
| Log Likelihood | | 451.9154 | |
| Full Log Likelihood | | -1937.9741 | |
| AIC (smaller is better) | | 3885.9482 | |
| AICC (smaller is better) | | 3886.0086 | |
| BIC (smaller is better) | | 3910.4870 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008781 | -0.000570 | 0.0000679 | -0.000317 | -3.47E-10 |
| Prm2 | -0.000570 | 0.001329 | -0.000073 | 0.0000183 | -1.69E-10 |
| Prm3 | 0.0000679 | -0.000073 | 0.0002851 | -0.000055 | -1.33E-9 |
| Prm4 | -0.000317 | 0.0000183 | -0.000055 | 0.0003057 | 4.854E-10 |
| Dispersion | -3.47E-10 | -1.69E-10 | -1.33E-9 | 4.854E-10 | 1.8537E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2159 | 0.0296 | 1.1578 | 1.2739 | 1683.50 | <.0001 |
| A | 1 | -0.0841 | 0.0365 | -0.1555 | -0.0126 | 5.32 | 0.0211 |
| M_cont | 1 | 0.0156 | 0.0169 | -0.0175 | 0.0487 | 0.86 | 0.3545 |
| C | 1 | -0.0367 | 0.0175 | -0.0709 | -0.0024 | 4.40 | 0.0360 |
| Dispersion | 1 | 0.0000 | 0.0004 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05991 | -0.25234 | 0.24821 | 0.19368 |
| 2 | 1.05991 | 0.00319 | -0.00202 | -0.00111 |
| 3 | 1.05991 | -0.00202 | 0.00456 | 0.00002 |
| 4 | 1.05991 | -0.00111 | 0.00002 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA142 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1064.9742 | 1.0693 |
| Scaled Deviance | 996 | 1064.9742 | 1.0693 |
| Pearson Chi-Square | 996 | 996.7117 | 1.0007 |
| Scaled Pearson X2 | 996 | 996.7117 | 1.0007 |
| Log Likelihood | | 380.3117 | |
| Full Log Likelihood | | -1934.2415 | |
| AIC (smaller is better) | | 3878.4831 | |
| AICC (smaller is better) | | 3878.5434 | |
| BIC (smaller is better) | | 3903.0218 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008161 | -0.000542 | 0.0000421 | -0.000291 | -7.542E-7 |
| Prm2 | -0.000542 | 0.001364 | -0.000048 | -0.000015 | 2.0389E-6 |
| Prm3 | 0.0000421 | -0.000048 | 0.0003153 | -0.000034 | -1.372E-6 |
| Prm4 | -0.000291 | -0.000015 | -0.000034 | 0.0003241 | -5.834E-8 |
| Dispersion | -7.542E-7 | 2.0389E-6 | -1.372E-6 | -5.834E-8 | 0.0002049 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2315 | 0.0286 | 1.1756 | 1.2875 | 1858.48 | <.0001 |
| A | 1 | -0.0962 | 0.0369 | -0.1686 | -0.0239 | 6.79 | 0.0092 |
| M_cont | 1 | 0.0000 | 0.0178 | -0.0348 | 0.0348 | 0.00 | 0.9983 |
| C | 1 | -0.0741 | 0.0180 | -0.1093 | -0.0388 | 16.93 | <.0001 |
| Dispersion | 1 | 0.0012 | 0.0143 | 0.0000 | 39809814 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02468 | -0.13873 | 0.15131 | 0.11320 |
| 2 | 1.02468 | 0.00283 | -0.00180 | -0.00100 |
| 3 | 1.02468 | -0.00180 | 0.00428 | -0.00006 |
| 4 | 1.02468 | -0.00100 | -0.00006 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA143 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1082.0019 | 1.0863 |
| Scaled Deviance | 996 | 1082.0019 | 1.0863 |
| Pearson Chi-Square | 996 | 998.9060 | 1.0029 |
| Scaled Pearson X2 | 996 | 998.9060 | 1.0029 |
| Log Likelihood | | 321.1149 | |
| Full Log Likelihood | | -1932.0120 | |
| AIC (smaller is better) | | 3874.0239 | |
| AICC (smaller is better) | | 3874.0843 | |
| BIC (smaller is better) | | 3898.5627 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008783 | -0.000606 | 0.0000340 | -0.000295 | -5.948E-7 |
| Prm2 | -0.000606 | 0.001357 | -0.000050 | 0.0000170 | 6.2474E-7 |
| Prm3 | 0.0000340 | -0.000050 | 0.0002855 | -0.000035 | -1.354E-6 |
| Prm4 | -0.000295 | 0.0000170 | -0.000035 | 0.0003015 | 4.3026E-7 |
| Dispersion | -5.948E-7 | 6.2474E-7 | -1.354E-6 | 4.3026E-7 | 0.0002163 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1539 | 0.0296 | 1.0958 | 1.2120 | 1516.04 | <.0001 |
| A | 1 | -0.0129 | 0.0368 | -0.0851 | 0.0593 | 0.12 | 0.7262 |
| M_cont | 1 | 0.0033 | 0.0169 | -0.0298 | 0.0364 | 0.04 | 0.8462 |
| C | 1 | -0.0439 | 0.0174 | -0.0779 | -0.0098 | 6.38 | 0.0116 |
| Dispersion | 1 | 0.0006 | 0.0147 | 0.0000 | 1.243E17 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07962 | -0.12658 | 0.17624 | 0.12563 |
| 2 | 1.07962 | 0.00320 | -0.00213 | -0.00108 |
| 3 | 1.07962 | -0.00213 | 0.00473 | 0.00005 |
| 4 | 1.07962 | -0.00108 | 0.00005 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA144 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 997.4126 | 1.0014 |
| Scaled Deviance | 996 | 997.4126 | 1.0014 |
| Pearson Chi-Square | 996 | 937.0420 | 0.9408 |
| Scaled Pearson X2 | 996 | 937.0420 | 0.9408 |
| Log Likelihood | | 391.2990 | |
| Full Log Likelihood | | -1910.7017 | |
| AIC (smaller is better) | | 3831.4035 | |
| AICC (smaller is better) | | 3831.4638 | |
| BIC (smaller is better) | | 3855.9423 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0007836 | -0.000514 | 0.0000558 | -0.000292 | -7.81E-10 |
| Prm2 | -0.000514 | 0.001399 | -0.000055 | -8.855E-6 | 2.5726E-9 |
| Prm3 | 0.0000558 | -0.000055 | 0.0002924 | -0.000045 | -2.024E-9 |
| Prm4 | -0.000292 | -8.855E-6 | -0.000045 | 0.0003224 | -1.64E-10 |
| Dispersion | -7.81E-10 | 2.5726E-9 | -2.024E-9 | -1.64E-10 | 9.8295E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2137 | 0.0280 | 1.1588 | 1.2685 | 1879.74 | <.0001 |
| A | 1 | -0.1074 | 0.0374 | -0.1807 | -0.0341 | 8.24 | 0.0041 |
| M_cont | 1 | -0.0065 | 0.0171 | -0.0400 | 0.0270 | 0.15 | 0.7024 |
| C | 1 | -0.0504 | 0.0180 | -0.0856 | -0.0152 | 7.88 | 0.0050 |
| Dispersion | 1 | 0.0000 | 0.0010 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05932 | -0.18190 | 0.18225 | 0.15325 |
| 2 | 1.05932 | 0.00286 | -0.00182 | -0.00104 |
| 3 | 1.05932 | -0.00182 | 0.00468 | -0.00005 |
| 4 | 1.05932 | -0.00104 | -0.00005 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA145 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1067.3986 | 1.0717 |
| Scaled Deviance | 996 | 1067.3986 | 1.0717 |
| Pearson Chi-Square | 996 | 995.8309 | 0.9998 |
| Scaled Pearson X2 | 996 | 995.8309 | 0.9998 |
| Log Likelihood | | 451.3138 | |
| Full Log Likelihood | | -1949.5298 | |
| AIC (smaller is better) | | 3909.0595 | |
| AICC (smaller is better) | | 3909.1199 | |
| BIC (smaller is better) | | 3933.5983 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008977 | -0.000565 | 0.0000739 | -0.000342 | -4.818E-7 |
| Prm2 | -0.000565 | 0.001338 | -0.000063 | 0.0000151 | 1.2302E-6 |
| Prm3 | 0.0000739 | -0.000063 | 0.0002866 | -0.000060 | -2.239E-6 |
| Prm4 | -0.000342 | 0.0000151 | -0.000060 | 0.0003346 | 6.6991E-8 |
| Dispersion | -4.818E-7 | 1.2302E-6 | -2.239E-6 | 6.6991E-8 | 0.0001962 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2147 | 0.0300 | 1.1560 | 1.2734 | 1643.56 | <.0001 |
| A | 1 | -0.0315 | 0.0366 | -0.1032 | 0.0402 | 0.74 | 0.3890 |
| M_cont | 1 | 0.0137 | 0.0169 | -0.0195 | 0.0469 | 0.66 | 0.4181 |
| C | 1 | -0.0576 | 0.0183 | -0.0935 | -0.0218 | 9.92 | 0.0016 |
| Dispersion | 1 | 0.0020 | 0.0140 | 0.0000 | 2158.799 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06135 | -0.27680 | 0.21343 | 0.21609 |
| 2 | 1.06135 | 0.00325 | -0.00196 | -0.00121 |
| 3 | 1.06135 | -0.00196 | 0.00462 | 0.00002 |
| 4 | 1.06135 | -0.00121 | 0.00002 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA146 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1028.5397 | 1.0327 |
| Scaled Deviance | 996 | 1028.5397 | 1.0327 |
| Pearson Chi-Square | 996 | 999.1367 | 1.0031 |
| Scaled Pearson X2 | 996 | 999.1367 | 1.0031 |
| Log Likelihood | | 503.7689 | |
| Full Log Likelihood | | -1947.9109 | |
| AIC (smaller is better) | | 3905.8218 | |
| AICC (smaller is better) | | 3905.8822 | |
| BIC (smaller is better) | | 3930.3606 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008905 | -0.000578 | 0.0000553 | -0.000334 | 3.084E-6 |
| Prm2 | -0.000578 | 0.001302 | -0.000072 | 7.1517E-6 | -4.952E-6 |
| Prm3 | 0.0000553 | -0.000072 | 0.0002872 | -0.000052 | -1.031E-6 |
| Prm4 | -0.000334 | 7.1517E-6 | -0.000052 | 0.0003489 | -7.993E-7 |
| Dispersion | 3.084E-6 | -4.952E-6 | -1.031E-6 | -7.993E-7 | 0.0001871 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2296 | 0.0298 | 1.1711 | 1.2881 | 1697.79 | <.0001 |
| A | 1 | -0.0046 | 0.0361 | -0.0753 | 0.0661 | 0.02 | 0.8978 |
| M_cont | 1 | 0.0260 | 0.0169 | -0.0072 | 0.0592 | 2.36 | 0.1247 |
| C | 1 | -0.0742 | 0.0187 | -0.1108 | -0.0376 | 15.77 | <.0001 |
| Dispersion | 1 | 0.0020 | 0.0137 | 0.0000 | 1031.025 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05413 | -0.21680 | 0.23619 | 0.18467 |
| 2 | 1.05413 | 0.00323 | -0.00198 | -0.00121 |
| 3 | 1.05413 | -0.00198 | 0.00450 | -0.00002 |
| 4 | 1.05413 | -0.00121 | -0.00002 | 0.00118 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA147 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1037.9383 | 1.0421 |
| Scaled Deviance | 996 | 1037.9383 | 1.0421 |
| Pearson Chi-Square | 996 | 995.0272 | 0.9990 |
| Scaled Pearson X2 | 996 | 995.0272 | 0.9990 |
| Log Likelihood | | 375.8801 | |
| Full Log Likelihood | | -1928.8243 | |
| AIC (smaller is better) | | 3867.6485 | |
| AICC (smaller is better) | | 3867.7089 | |
| BIC (smaller is better) | | 3892.1873 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009927 | -0.000643 | 0.0000298 | -0.000375 | 2.0875E-9 |
| Prm2 | -0.000643 | 0.001339 | -0.000036 | 0.0000629 | -2.515E-9 |
| Prm3 | 0.0000298 | -0.000036 | 0.0003171 | -0.000054 | -7.803E-9 |
| Prm4 | -0.000375 | 0.0000629 | -0.000054 | 0.0003399 | -1E-11 |
| Dispersion | 2.0875E-9 | -2.515E-9 | -7.803E-9 | -1E-11 | 9.646E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1617 | 0.0315 | 1.1000 | 1.2235 | 1359.49 | <.0001 |
| A | 1 | -0.0086 | 0.0366 | -0.0804 | 0.0631 | 0.06 | 0.8136 |
| M_cont | 1 | 0.0206 | 0.0178 | -0.0143 | 0.0555 | 1.34 | 0.2477 |
| C | 1 | -0.0367 | 0.0184 | -0.0728 | -0.0006 | 3.96 | 0.0466 |
| Dispersion | 1 | 0.0000 | 0.0010 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01638 | -0.11482 | 0.10410 | 0.17446 |
| 2 | 1.01638 | 0.00323 | -0.00204 | -0.00121 |
| 3 | 1.01638 | -0.00204 | 0.00424 | 0.00019 |
| 4 | 1.01638 | -0.00121 | 0.00019 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA148 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.8331 | 1.0631 |
| Scaled Deviance | 996 | 1058.8331 | 1.0631 |
| Pearson Chi-Square | 996 | 961.7201 | 0.9656 |
| Scaled Pearson X2 | 996 | 961.7201 | 0.9656 |
| Log Likelihood | | 374.4767 | |
| Full Log Likelihood | | -1930.4363 | |
| AIC (smaller is better) | | 3870.8726 | |
| AICC (smaller is better) | | 3870.9330 | |
| BIC (smaller is better) | | 3895.4114 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008867 | -0.000532 | 0.0000443 | -0.000335 | -3.64E-10 |
| Prm2 | -0.000532 | 0.001352 | -0.000026 | -0.000018 | 4.106E-10 |
| Prm3 | 0.0000443 | -0.000026 | 0.0003089 | -0.000052 | -3.82E-11 |
| Prm4 | -0.000335 | -0.000018 | -0.000052 | 0.0003348 | 1.898E-10 |
| Dispersion | -3.64E-10 | 4.106E-10 | -3.82E-11 | 1.898E-10 | 1.497E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1491 | 0.0298 | 1.0908 | 1.2075 | 1489.27 | <.0001 |
| A | 1 | -0.0363 | 0.0368 | -0.1084 | 0.0357 | 0.98 | 0.3233 |
| M_cont | 1 | -0.0092 | 0.0176 | -0.0436 | 0.0253 | 0.27 | 0.6015 |
| C | 1 | -0.0113 | 0.0183 | -0.0472 | 0.0245 | 0.38 | 0.5354 |
| Dispersion | 1 | 0.0000 | 0.0004 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02940 | -0.13602 | 0.084187 | 0.16907 |
| 2 | 1.02940 | 0.00292 | -0.001748 | -0.00108 |
| 3 | 1.02940 | -0.00175 | 0.004361 | -0.00007 |
| 4 | 1.02940 | -0.00108 | -0.000071 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA149 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1059.4547 | 1.0637 |
| Scaled Deviance | 996 | 1059.4547 | 1.0637 |
| Pearson Chi-Square | 996 | 998.7634 | 1.0028 |
| Scaled Pearson X2 | 996 | 998.7634 | 1.0028 |
| Log Likelihood | | 443.6596 | |
| Full Log Likelihood | | -1949.9209 | |
| AIC (smaller is better) | | 3909.8419 | |
| AICC (smaller is better) | | 3909.9022 | |
| BIC (smaller is better) | | 3934.3806 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008864 | -0.000583 | 0.0000573 | -0.000318 | 2.3494E-7 |
| Prm2 | -0.000583 | 0.001335 | -0.000033 | 0.0000186 | 1.7749E-6 |
| Prm3 | 0.0000573 | -0.000033 | 0.0002899 | -0.000052 | 5.9565E-8 |
| Prm4 | -0.000318 | 0.0000186 | -0.000052 | 0.0003132 | -9.837E-7 |
| Dispersion | 2.3494E-7 | 1.7749E-6 | 5.9565E-8 | -9.837E-7 | 0.0002031 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2198 | 0.0298 | 1.1614 | 1.2781 | 1678.45 | <.0001 |
| A | 1 | -0.0723 | 0.0365 | -0.1439 | -0.0007 | 3.92 | 0.0479 |
| M_cont | 1 | -0.0277 | 0.0170 | -0.0611 | 0.0056 | 2.66 | 0.1032 |
| C | 1 | -0.0467 | 0.0177 | -0.0814 | -0.0120 | 6.96 | 0.0083 |
| Dispersion | 1 | 0.0048 | 0.0142 | 0.0000 | 1.5428 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06387 | -0.17222 | 0.11658 | 0.18310 |
| 2 | 1.06387 | 0.00324 | -0.00208 | -0.00113 |
| 3 | 1.06387 | -0.00208 | 0.00459 | 0.00005 |
| 4 | 1.06387 | -0.00113 | 0.00005 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA150 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 965.3159 | 0.9692 |
| Scaled Deviance | 996 | 965.3159 | 0.9692 |
| Pearson Chi-Square | 996 | 918.1433 | 0.9218 |
| Scaled Pearson X2 | 996 | 918.1433 | 0.9218 |
| Log Likelihood | | 404.6542 | |
| Full Log Likelihood | | -1903.2981 | |
| AIC (smaller is better) | | 3816.5961 | |
| AICC (smaller is better) | | 3816.6565 | |
| BIC (smaller is better) | | 3841.1349 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008844 | -0.000591 | 0.0000707 | -0.000316 | 3.153E-10 |
| Prm2 | -0.000591 | 0.001334 | -0.000044 | 0.0000322 | 9.638E-10 |
| Prm3 | 0.0000707 | -0.000044 | 0.0002926 | -0.000072 | -2.318E-9 |
| Prm4 | -0.000316 | 0.0000322 | -0.000072 | 0.0003061 | -5.82E-10 |
| Dispersion | 3.153E-10 | 9.638E-10 | -2.318E-9 | -5.82E-10 | 4.6669E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1766 | 0.0297 | 1.1183 | 1.2348 | 1565.31 | <.0001 |
| A | 1 | -0.1038 | 0.0365 | -0.1754 | -0.0322 | 8.07 | 0.0045 |
| M_cont | 1 | 0.0077 | 0.0171 | -0.0258 | 0.0412 | 0.20 | 0.6523 |
| C | 1 | -0.0026 | 0.0175 | -0.0369 | 0.0317 | 0.02 | 0.8815 |
| Dispersion | 1 | 0.0000 | 0.0007 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05521 | -0.24627 | 0.14770 | 0.24175 |
| 2 | 1.05521 | 0.00308 | -0.00209 | -0.00103 |
| 3 | 1.05521 | -0.00209 | 0.00451 | 0.00007 |
| 4 | 1.05521 | -0.00103 | 0.00007 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA151 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1051.7236 | 1.0559 |
| Scaled Deviance | 996 | 1051.7236 | 1.0559 |
| Pearson Chi-Square | 996 | 984.2679 | 0.9882 |
| Scaled Pearson X2 | 996 | 984.2679 | 0.9882 |
| Log Likelihood | | 395.1770 | |
| Full Log Likelihood | | -1934.5861 | |
| AIC (smaller is better) | | 3879.1723 | |
| AICC (smaller is better) | | 3879.2327 | |
| BIC (smaller is better) | | 3903.7111 | |

WARNING: The relative Hessian convergence criterion of 0.6460748859 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0007889 | -0.000522 | 0.0000532 | -0.000275 | 0 |
| Prm2 | -0.000522 | 0.001365 | -0.000064 | -0.000025 | 0 |
| Prm3 | 0.0000532 | -0.000064 | 0.0003194 | -0.000043 | 0 |
| Prm4 | -0.000275 | -0.000025 | -0.000043 | 0.0003066 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1739 | 0.0281 | 1.1188 | 1.2289 | 1746.72 | <.0001 |
| A | 1 | -0.0095 | 0.0370 | -0.0819 | 0.0629 | 0.07 | 0.7971 |
| M_cont | 1 | -0.0075 | 0.0179 | -0.0426 | 0.0275 | 0.18 | 0.6729 |
| C | 1 | -0.0446 | 0.0175 | -0.0789 | -0.0102 | 6.48 | 0.0109 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00768 | -0.15976 | 0.19860 | 0.13697 |
| 2 | 1.00768 | 0.00255 | -0.00161 | -0.00089 |
| 3 | 1.00768 | -0.00161 | 0.00422 | -0.00010 |
| 4 | 1.00768 | -0.00089 | -0.00010 | 0.00094 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA152 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1077.4268 | 1.0818 |
| Scaled Deviance | 996 | 1077.4268 | 1.0818 |
| Pearson Chi-Square | 996 | 1001.4310 | 1.0055 |
| Scaled Pearson X2 | 996 | 1001.4310 | 1.0055 |
| Log Likelihood | | 399.7467 | |
| Full Log Likelihood | | -1956.0070 | |
| AIC (smaller is better) | | 3922.0139 | |
| AICC (smaller is better) | | 3922.0743 | |
| BIC (smaller is better) | | 3946.5527 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008743 | -0.000597 | 0.0000418 | -0.000303 | 2.2989E-6 |
| Prm2 | -0.000597 | 0.001390 | -0.000072 | 6.3441E-6 | -3.088E-7 |
| Prm3 | 0.0000418 | -0.000072 | 0.0003117 | -0.000045 | -1.39E-6 |
| Prm4 | -0.000303 | 6.3441E-6 | -0.000045 | 0.0003244 | -2.09E-6 |
| Dispersion | 2.2989E-6 | -3.088E-7 | -1.39E-6 | -2.09E-6 | 0.0002237 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2008 | 0.0296 | 1.1429 | 1.2588 | 1649.26 | <.0001 |
| A | 1 | -0.0238 | 0.0373 | -0.0968 | 0.0493 | 0.41 | 0.5238 |
| M_cont | 1 | 0.0234 | 0.0177 | -0.0112 | 0.0580 | 1.76 | 0.1845 |
| C | 1 | -0.0678 | 0.0180 | -0.1031 | -0.0325 | 14.17 | 0.0002 |
| Dispersion | 1 | 0.0125 | 0.0150 | 0.0012 | 0.1304 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04363 | -0.15361 | 0.22371 | 0.14339 |
| 2 | 1.04363 | 0.00296 | -0.00192 | -0.00102 |
| 3 | 1.04363 | -0.00192 | 0.00443 | -0.00001 |
| 4 | 1.04363 | -0.00102 | -0.00001 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA153 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.6532 | 1.0649 |
| Scaled Deviance | 996 | 1060.6532 | 1.0649 |
| Pearson Chi-Square | 996 | 1002.1056 | 1.0061 |
| Scaled Pearson X2 | 996 | 1002.1056 | 1.0061 |
| Log Likelihood | | 437.1146 | |
| Full Log Likelihood | | -1967.4636 | |
| AIC (smaller is better) | | 3944.9271 | |
| AICC (smaller is better) | | 3944.9875 | |
| BIC (smaller is better) | | 3969.4659 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009163 | -0.000611 | 0.0000722 | -0.000333 | -5.731E-9 |
| Prm2 | -0.000611 | 0.001424 | -0.000064 | 0.0000239 | 1.9718E-6 |
| Prm3 | 0.0000722 | -0.000064 | 0.0003033 | -0.000058 | -7.17E-8 |
| Prm4 | -0.000333 | 0.0000239 | -0.000058 | 0.0003338 | -8.231E-7 |
| Dispersion | -5.731E-9 | 1.9718E-6 | -7.17E-8 | -8.231E-7 | 0.0002283 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2364 | 0.0303 | 1.1771 | 1.2958 | 1668.39 | <.0001 |
| A | 1 | -0.0813 | 0.0377 | -0.1553 | -0.0073 | 4.64 | 0.0312 |
| M_cont | 1 | -0.0161 | 0.0174 | -0.0503 | 0.0180 | 0.86 | 0.3538 |
| C | 1 | -0.0644 | 0.0183 | -0.1002 | -0.0286 | 12.44 | 0.0004 |
| Dispersion | 1 | 0.0211 | 0.0151 | 0.0052 | 0.0858 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06635 | -0.22379 | 0.20182 | 0.19685 |
| 2 | 1.06635 | 0.00321 | -0.00206 | -0.00114 |
| 3 | 1.06635 | -0.00206 | 0.00463 | 0.00005 |
| 4 | 1.06635 | -0.00114 | 0.00005 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA154 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1070.7682 | 1.0751 |
| Scaled Deviance | 996 | 1070.7682 | 1.0751 |
| Pearson Chi-Square | 996 | 1006.4947 | 1.0105 |
| Scaled Pearson X2 | 996 | 1006.4947 | 1.0105 |
| Log Likelihood | | 273.1746 | |
| Full Log Likelihood | | -1943.7451 | |
| AIC (smaller is better) | | 3897.4901 | |
| AICC (smaller is better) | | 3897.5505 | |
| BIC (smaller is better) | | 3922.0289 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009517 | -0.000618 | 0.0000280 | -0.000344 | -2.38E-7 |
| Prm2 | -0.000618 | 0.001483 | -0.000010 | 0.0000116 | 2.1571E-7 |
| Prm3 | 0.0000280 | -0.000010 | 0.0003216 | -0.000064 | -1.166E-6 |
| Prm4 | -0.000344 | 0.0000116 | -0.000064 | 0.0003481 | 2.7322E-7 |
| Dispersion | -2.38E-7 | 2.1571E-7 | -1.166E-6 | 2.7322E-7 | 0.0002481 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1263 | 0.0308 | 1.0658 | 1.1868 | 1332.91 | <.0001 |
| A | 1 | -0.0112 | 0.0385 | -0.0867 | 0.0643 | 0.08 | 0.7711 |
| M_cont | 1 | 0.0373 | 0.0179 | 0.0021 | 0.0724 | 4.32 | 0.0378 |
| C | 1 | -0.0351 | 0.0187 | -0.0717 | 0.0015 | 3.54 | 0.0598 |
| Dispersion | 1 | 0.0225 | 0.0158 | 0.0057 | 0.0888 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05936 | -0.12066 | 0.025884 | 0.19538 |
| 2 | 1.05936 | 0.00304 | -0.001942 | -0.00109 |
| 3 | 1.05936 | -0.00194 | 0.004633 | 0.00003 |
| 4 | 1.05936 | -0.00109 | 0.000032 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA155 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1072.8492 | 1.0772 |
| Scaled Deviance | 996 | 1072.8492 | 1.0772 |
| Pearson Chi-Square | 996 | 999.1809 | 1.0032 |
| Scaled Pearson X2 | 996 | 999.1809 | 1.0032 |
| Log Likelihood | | 353.2930 | |
| Full Log Likelihood | | -1944.1615 | |
| AIC (smaller is better) | | 3898.3231 | |
| AICC (smaller is better) | | 3898.3834 | |
| BIC (smaller is better) | | 3922.8618 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009418 | -0.000599 | 0.0000840 | -0.000357 | -5.628E-7 |
| Prm2 | -0.000599 | 0.001409 | -0.000087 | 0.0000165 | 9.2862E-7 |
| Prm3 | 0.0000840 | -0.000087 | 0.0003324 | -0.000073 | -1.384E-6 |
| Prm4 | -0.000357 | 0.0000165 | -0.000073 | 0.0003512 | 2.4865E-7 |
| Dispersion | -5.628E-7 | 9.2862E-7 | -1.384E-6 | 2.4865E-7 | 0.0002224 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1741 | 0.0307 | 1.1139 | 1.2342 | 1463.63 | <.0001 |
| A | 1 | -0.0630 | 0.0375 | -0.1366 | 0.0105 | 2.82 | 0.0931 |
| M_cont | 1 | 0.0464 | 0.0182 | 0.0106 | 0.0821 | 6.47 | 0.0110 |
| C | 1 | -0.0352 | 0.0187 | -0.0719 | 0.0015 | 3.53 | 0.0603 |
| Dispersion | 1 | 0.0090 | 0.0149 | 0.0004 | 0.2290 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01043 | -0.29357 | 0.25083 | 0.22034 |
| 2 | 1.01043 | 0.00288 | -0.00178 | -0.00106 |
| 3 | 1.01043 | -0.00178 | 0.00417 | -0.00001 |
| 4 | 1.01043 | -0.00106 | -0.00001 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA156 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 994.7007 | 0.9987 |
| Scaled Deviance | 996 | 994.7007 | 0.9987 |
| Pearson Chi-Square | 996 | 954.1748 | 0.9580 |
| Scaled Pearson X2 | 996 | 954.1748 | 0.9580 |
| Log Likelihood | | 382.6680 | |
| Full Log Likelihood | | -1912.6405 | |
| AIC (smaller is better) | | 3835.2810 | |
| AICC (smaller is better) | | 3835.3413 | |
| BIC (smaller is better) | | 3859.8198 | |

WARNING: The relative Hessian convergence criterion of 11.841313577 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008338 | -0.000541 | 0.0000461 | -0.000297 | 0 |
| Prm2 | -0.000541 | 0.001348 | -0.000058 | -0.000027 | 0 |
| Prm3 | 0.0000461 | -0.000058 | 0.0002983 | -0.000054 | 0 |
| Prm4 | -0.000297 | -0.000027 | -0.000054 | 0.0003280 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1954 | 0.0289 | 1.1388 | 1.2520 | 1713.75 | <.0001 |
| A | 1 | -0.0624 | 0.0367 | -0.1344 | 0.0095 | 2.89 | 0.0891 |
| M_cont | 1 | 0.0266 | 0.0173 | -0.0073 | 0.0605 | 2.37 | 0.1235 |
| C | 1 | -0.0492 | 0.0181 | -0.0847 | -0.0137 | 7.37 | 0.0066 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04769 | -0.18153 | 0.19085 | 0.17921 |
| 2 | 1.04769 | 0.00293 | -0.00184 | -0.00102 |
| 3 | 1.04769 | -0.00184 | 0.00447 | -0.00013 |
| 4 | 1.04769 | -0.00102 | -0.00013 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA157 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1069.0017 | 1.0733 |
| Scaled Deviance | 996 | 1069.0017 | 1.0733 |
| Pearson Chi-Square | 996 | 987.9444 | 0.9919 |
| Scaled Pearson X2 | 996 | 987.9444 | 0.9919 |
| Log Likelihood | | 464.9437 | |
| Full Log Likelihood | | -1948.7808 | |
| AIC (smaller is better) | | 3907.5615 | |
| AICC (smaller is better) | | 3907.6219 | |
| BIC (smaller is better) | | 3932.1003 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008192 | -0.000539 | 0.0000642 | -0.000293 | 9.917E-11 |
| Prm2 | -0.000539 | 0.001338 | -0.000079 | -1.278E-6 | 5.705E-10 |
| Prm3 | 0.0000642 | -0.000079 | 0.0003032 | -0.000049 | -8.44E-11 |
| Prm4 | -0.000293 | -1.278E-6 | -0.000049 | 0.0003036 | -3.31E-10 |
| Dispersion | 9.917E-11 | 5.705E-10 | -8.44E-11 | -3.31E-10 | 3.6297E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2081 | 0.0286 | 1.1520 | 1.2642 | 1781.46 | <.0001 |
| A | 1 | -0.0507 | 0.0366 | -0.1224 | 0.0210 | 1.92 | 0.1661 |
| M_cont | 1 | -0.0217 | 0.0174 | -0.0558 | 0.0125 | 1.55 | 0.2134 |
| C | 1 | -0.0396 | 0.0174 | -0.0737 | -0.0054 | 5.16 | 0.0231 |
| Dispersion | 1 | 0.0000 | 0.0006 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02662 | -0.19520 | 0.26186 | 0.16632 |
| 2 | 1.02662 | 0.00281 | -0.00178 | -0.00098 |
| 3 | 1.02662 | -0.00178 | 0.00433 | -0.00004 |
| 4 | 1.02662 | -0.00098 | -0.00004 | 0.00098 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA158 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 977.8528 | 0.9818 |
| Scaled Deviance | 996 | 977.8528 | 0.9818 |
| Pearson Chi-Square | 996 | 937.2474 | 0.9410 |
| Scaled Pearson X2 | 996 | 937.2474 | 0.9410 |
| Log Likelihood | | 404.0219 | |
| Full Log Likelihood | | -1908.7214 | |
| AIC (smaller is better) | | 3827.4428 | |
| AICC (smaller is better) | | 3827.5031 | |
| BIC (smaller is better) | | 3851.9816 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008819 | -0.000566 | 0.0000598 | -0.000323 | 2.7075E-9 |
| Prm2 | -0.000566 | 0.001321 | -0.000033 | -5.693E-6 | -4.93E-10 |
| Prm3 | 0.0000598 | -0.000033 | 0.0003011 | -0.000054 | -7.18E-10 |
| Prm4 | -0.000323 | -5.693E-6 | -0.000054 | 0.0003355 | -2.469E-9 |
| Dispersion | 2.7075E-9 | -4.93E-10 | -7.18E-10 | -2.469E-9 | 4.7797E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1924 | 0.0297 | 1.1342 | 1.2506 | 1612.13 | <.0001 |
| A | 1 | -0.0219 | 0.0363 | -0.0932 | 0.0493 | 0.36 | 0.5461 |
| M_cont | 1 | 0.0014 | 0.0174 | -0.0326 | 0.0354 | 0.01 | 0.9357 |
| C | 1 | -0.0537 | 0.0183 | -0.0896 | -0.0178 | 8.58 | 0.0034 |
| Dispersion | 1 | 0.0000 | 0.0007 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03856 | -0.20451 | 0.10852 | 0.18524 |
| 2 | 1.03856 | 0.00305 | -0.00189 | -0.00111 |
| 3 | 1.03856 | -0.00189 | 0.00438 | -0.00003 |
| 4 | 1.03856 | -0.00111 | -0.00003 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA159 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1033.7711 | 1.0379 |
| Scaled Deviance | 996 | 1033.7711 | 1.0379 |
| Pearson Chi-Square | 996 | 996.9759 | 1.0010 |
| Scaled Pearson X2 | 996 | 996.9759 | 1.0010 |
| Log Likelihood | | 378.0403 | |
| Full Log Likelihood | | -1926.6799 | |
| AIC (smaller is better) | | 3863.3597 | |
| AICC (smaller is better) | | 3863.4201 | |
| BIC (smaller is better) | | 3887.8985 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009321 | -0.000580 | 0.0000839 | -0.000351 | 4.4016E-9 |
| Prm2 | -0.000580 | 0.001340 | -0.000050 | 7.5502E-6 | -1.252E-9 |
| Prm3 | 0.0000839 | -0.000050 | 0.0002959 | -0.000057 | -2.04E-10 |
| Prm4 | -0.000351 | 7.5502E-6 | -0.000057 | 0.0003404 | -3.702E-9 |
| Dispersion | 4.4016E-9 | -1.252E-9 | -2.04E-10 | -3.702E-9 | 3.8065E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1909 | 0.0305 | 1.1310 | 1.2507 | 1521.43 | <.0001 |
| A | 1 | -0.0498 | 0.0366 | -0.1216 | 0.0219 | 1.85 | 0.1736 |
| M_cont | 1 | -0.0079 | 0.0172 | -0.0416 | 0.0259 | 0.21 | 0.6481 |
| C | 1 | -0.0457 | 0.0185 | -0.0819 | -0.0095 | 6.13 | 0.0133 |
| Dispersion | 1 | 0.0000 | 0.0006 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05356 | -0.27745 | 0.16682 | 0.19720 |
| 2 | 1.05356 | 0.00324 | -0.00197 | -0.00119 |
| 3 | 1.05356 | -0.00197 | 0.00451 | -0.00001 |
| 4 | 1.05356 | -0.00119 | -0.00001 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA160 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1048.8416 | 1.0531 |
| Scaled Deviance | 996 | 1048.8416 | 1.0531 |
| Pearson Chi-Square | 996 | 991.8486 | 0.9958 |
| Scaled Pearson X2 | 996 | 991.8486 | 0.9958 |
| Log Likelihood | | 410.5079 | |
| Full Log Likelihood | | -1935.0504 | |
| AIC (smaller is better) | | 3880.1008 | |
| AICC (smaller is better) | | 3880.1612 | |
| BIC (smaller is better) | | 3904.6396 | |

WARNING: Negative of Hessian not positive definite.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008288 | -0.000532 | 0.0000185 | -0.000305 | 0 |
| Prm2 | -0.000532 | 0.001363 | -0.000073 | -5.493E-6 | 0 |
| Prm3 | 0.0000185 | -0.000073 | 0.0002902 | -0.000034 | 0 |
| Prm4 | -0.000305 | -5.493E-6 | -0.000034 | 0.0003224 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1868 | 0.0288 | 1.1303 | 1.2432 | 1699.35 | <.0001 |
| A | 1 | -0.0619 | 0.0369 | -0.1343 | 0.0104 | 2.81 | 0.0935 |
| M_cont | 1 | 0.0604 | 0.0170 | 0.0270 | 0.0938 | 12.55 | 0.0004 |
| C | 1 | -0.0395 | 0.0180 | -0.0747 | -0.0043 | 4.84 | 0.0278 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05772 | -0.12480 | 0.23424 | 0.11613 |
| 2 | 1.05772 | 0.00299 | -0.00187 | -0.00109 |
| 3 | 1.05772 | -0.00187 | 0.00461 | -0.00004 |
| 4 | 1.05772 | -0.00109 | -0.00004 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA161 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.9094 | 1.0712 |
| Scaled Deviance | 996 | 1066.9094 | 1.0712 |
| Pearson Chi-Square | 996 | 991.1567 | 0.9951 |
| Scaled Pearson X2 | 996 | 991.1567 | 0.9951 |
| Log Likelihood | | 428.1440 | |
| Full Log Likelihood | | -1949.0495 | |
| AIC (smaller is better) | | 3908.0990 | |
| AICC (smaller is better) | | 3908.1594 | |
| BIC (smaller is better) | | 3932.6378 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009002 | -0.000612 | 0.0000744 | -0.000314 | 2.6393E-6 |
| Prm2 | -0.000612 | 0.001349 | -0.000085 | 0.0000281 | -7.271E-7 |
| Prm3 | 0.0000744 | -0.000085 | 0.0002993 | -0.000054 | -9.764E-7 |
| Prm4 | -0.000314 | 0.0000281 | -0.000054 | 0.0003074 | -2.218E-6 |
| Dispersion | 2.6393E-6 | -7.271E-7 | -9.764E-7 | -2.218E-6 | 0.0002029 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1894 | 0.0300 | 1.1306 | 1.2482 | 1571.49 | <.0001 |
| A | 1 | -0.0074 | 0.0367 | -0.0794 | 0.0646 | 0.04 | 0.8400 |
| M_cont | 1 | -0.0152 | 0.0173 | -0.0492 | 0.0187 | 0.78 | 0.3780 |
| C | 1 | -0.0484 | 0.0175 | -0.0827 | -0.0140 | 7.61 | 0.0058 |
| Dispersion | 1 | 0.0046 | 0.0142 | 0.0000 | 1.9674 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04548 | -0.23233 | 0.28078 | 0.18072 |
| 2 | 1.04548 | 0.00309 | -0.00201 | -0.00107 |
| 3 | 1.04548 | -0.00201 | 0.00444 | 0.00005 |
| 4 | 1.04548 | -0.00107 | 0.00005 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA162 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1045.4112 | 1.0496 |
| Scaled Deviance | 996 | 1045.4112 | 1.0496 |
| Pearson Chi-Square | 996 | 1000.2921 | 1.0043 |
| Scaled Pearson X2 | 996 | 1000.2921 | 1.0043 |
| Log Likelihood | | 319.1141 | |
| Full Log Likelihood | | -1925.5573 | |
| AIC (smaller is better) | | 3861.1146 | |
| AICC (smaller is better) | | 3861.1750 | |
| BIC (smaller is better) | | 3885.6534 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008691 | -0.000533 | 0.0000412 | -0.000311 | 1.3221E-7 |
| Prm2 | -0.000533 | 0.001387 | -0.000036 | -0.000035 | -2.214E-8 |
| Prm3 | 0.0000412 | -0.000036 | 0.0002930 | -0.000061 | -5.47E-9 |
| Prm4 | -0.000311 | -0.000035 | -0.000061 | 0.0003232 | -1.185E-7 |
| Dispersion | 1.3221E-7 | -2.214E-8 | -5.47E-9 | -1.185E-7 | 0.0002097 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1112 | 0.0295 | 1.0534 | 1.1690 | 1420.72 | <.0001 |
| A | 1 | -0.0022 | 0.0372 | -0.0752 | 0.0708 | 0.00 | 0.9524 |
| M_cont | 1 | -0.0063 | 0.0171 | -0.0398 | 0.0273 | 0.13 | 0.7139 |
| C | 1 | -0.0038 | 0.0180 | -0.0390 | 0.0315 | 0.04 | 0.8335 |
| Dispersion | 1 | 0.0028 | 0.0145 | 0.0000 | 79.7779 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06918 | -0.13411 | 0.12271 | 0.20753 |
| 2 | 1.06918 | 0.00297 | -0.00181 | -0.00104 |
| 3 | 1.06918 | -0.00181 | 0.00473 | -0.00014 |
| 4 | 1.06918 | -0.00104 | -0.00014 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA163 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1020.5723 | 1.0247 |
| Scaled Deviance | 996 | 1020.5723 | 1.0247 |
| Pearson Chi-Square | 996 | 967.3385 | 0.9712 |
| Scaled Pearson X2 | 996 | 967.3385 | 0.9712 |
| Log Likelihood | | 415.0697 | |
| Full Log Likelihood | | -1924.3498 | |
| AIC (smaller is better) | | 3858.6996 | |
| AICC (smaller is better) | | 3858.7600 | |
| BIC (smaller is better) | | 3883.2384 | |

WARNING: The relative Hessian convergence criterion of 6.848554129 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008782 | -0.000535 | 0.0000388 | -0.000331 | 0 |
| Prm2 | -0.000535 | 0.001362 | -0.000061 | 2.5801E-6 | 0 |
| Prm3 | 0.0000388 | -0.000061 | 0.0003125 | -0.000040 | 0 |
| Prm4 | -0.000331 | 2.5801E-6 | -0.000040 | 0.0003169 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2169 | 0.0296 | 1.1588 | 1.2750 | 1686.22 | <.0001 |
| A | 1 | -0.1053 | 0.0369 | -0.1776 | -0.0329 | 8.13 | 0.0043 |
| M_cont | 1 | -0.0199 | 0.0177 | -0.0545 | 0.0148 | 1.27 | 0.2605 |
| C | 1 | -0.0378 | 0.0178 | -0.0727 | -0.0029 | 4.51 | 0.0336 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01978 | -0.10080 | 0.19511 | 0.12474 |
| 2 | 1.01978 | 0.00300 | -0.00178 | -0.00111 |
| 3 | 1.01978 | -0.00178 | 0.00427 | -0.00001 |
| 4 | 1.01978 | -0.00111 | -0.00001 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA164 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1020.2437 | 1.0243 |
| Scaled Deviance | 996 | 1020.2437 | 1.0243 |
| Pearson Chi-Square | 996 | 960.7940 | 0.9647 |
| Scaled Pearson X2 | 996 | 960.7940 | 0.9647 |
| Log Likelihood | | 350.6971 | |
| Full Log Likelihood | | -1912.5642 | |
| AIC (smaller is better) | | 3835.1284 | |
| AICC (smaller is better) | | 3835.1888 | |
| BIC (smaller is better) | | 3859.6672 | |

WARNING: The relative Hessian convergence criterion of 10.139193873 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008449 | -0.000567 | 0.0000759 | -0.000310 | 0 |
| Prm2 | -0.000567 | 0.001390 | -0.000059 | 0.0000235 | 0 |
| Prm3 | 0.0000759 | -0.000059 | 0.0002969 | -0.000073 | 0 |
| Prm4 | -0.000310 | 0.0000235 | -0.000073 | 0.0003190 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2199 | 0.0291 | 1.1629 | 1.2769 | 1761.32 | <.0001 |
| A | 1 | -0.1209 | 0.0373 | -0.1939 | -0.0478 | 10.51 | 0.0012 |
| M_cont | 1 | 0.0169 | 0.0172 | -0.0169 | 0.0507 | 0.96 | 0.3273 |
| C | 1 | -0.0605 | 0.0179 | -0.0955 | -0.0255 | 11.47 | 0.0007 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05893 | -0.27517 | 0.19648 | 0.24842 |
| 2 | 1.05893 | 0.00304 | -0.00198 | -0.00106 |
| 3 | 1.05893 | -0.00198 | 0.00460 | 0.00004 |
| 4 | 1.05893 | -0.00106 | 0.00004 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA165 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.8804 | 1.0651 |
| Scaled Deviance | 996 | 1060.8804 | 1.0651 |
| Pearson Chi-Square | 996 | 990.8070 | 0.9948 |
| Scaled Pearson X2 | 996 | 990.8070 | 0.9948 |
| Log Likelihood | | 334.0573 | |
| Full Log Likelihood | | -1927.3329 | |
| AIC (smaller is better) | | 3864.6658 | |
| AICC (smaller is better) | | 3864.7262 | |
| BIC (smaller is better) | | 3889.2046 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008750 | -0.000580 | 0.0000300 | -0.000305 | -5.27E-10 |
| Prm2 | -0.000580 | 0.001352 | -0.000027 | 7.3938E-6 | 1.8674E-9 |
| Prm3 | 0.0000300 | -0.000027 | 0.0002686 | -0.000040 | -4.476E-9 |
| Prm4 | -0.000305 | 7.3938E-6 | -0.000040 | 0.0003095 | 6.989E-11 |
| Dispersion | -5.27E-10 | 1.8674E-9 | -4.476E-9 | 6.989E-11 | 5.2755E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1442 | 0.0296 | 1.0862 | 1.2022 | 1496.25 | <.0001 |
| A | 1 | 0.0139 | 0.0368 | -0.0582 | 0.0860 | 0.14 | 0.7056 |
| M_cont | 1 | 0.0103 | 0.0164 | -0.0218 | 0.0424 | 0.39 | 0.5297 |
| C | 1 | -0.0413 | 0.0176 | -0.0758 | -0.0068 | 5.51 | 0.0189 |
| Dispersion | 1 | 0.0000 | 0.0007 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.11034 | -0.12432 | 0.10154 | 0.14814 |
| 2 | 1.11034 | 0.00335 | -0.00215 | -0.00118 |
| 3 | 1.11034 | -0.00215 | 0.00506 | 0.00002 |
| 4 | 1.11034 | -0.00118 | 0.00002 | 0.00113 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA166 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1014.9870 | 1.0191 |
| Scaled Deviance | 996 | 1014.9870 | 1.0191 |
| Pearson Chi-Square | 996 | 970.2242 | 0.9741 |
| Scaled Pearson X2 | 996 | 970.2242 | 0.9741 |
| Log Likelihood | | 465.9962 | |
| Full Log Likelihood | | -1934.4747 | |
| AIC (smaller is better) | | 3878.9494 | |
| AICC (smaller is better) | | 3879.0098 | |
| BIC (smaller is better) | | 3903.4882 | |

WARNING: The relative Hessian convergence criterion of 4.3547432737 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008329 | -0.000540 | 0.0000340 | -0.000298 | 0 |
| Prm2 | -0.000540 | 0.001317 | -0.000034 | 2.7174E-6 | 0 |
| Prm3 | 0.0000340 | -0.000034 | 0.0003097 | -0.000041 | 0 |
| Prm4 | -0.000298 | 2.7174E-6 | -0.000041 | 0.0003003 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1863 | 0.0289 | 1.1298 | 1.2429 | 1689.71 | <.0001 |
| A | 1 | -0.0153 | 0.0363 | -0.0864 | 0.0558 | 0.18 | 0.6737 |
| M_cont | 1 | -0.0220 | 0.0176 | -0.0565 | 0.0125 | 1.57 | 0.2105 |
| C | 1 | -0.0307 | 0.0173 | -0.0646 | 0.0033 | 3.13 | 0.0767 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01391 | -0.091709 | 0.11526 | 0.13573 |
| 2 | 1.01391 | 0.002768 | -0.00175 | -0.00098 |
| 3 | 1.01391 | -0.001751 | 0.00424 | -0.00000 |
| 4 | 1.01391 | -0.000983 | -0.00000 | 0.00095 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA167 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 967.7748 | 0.9717 |
| Scaled Deviance | 996 | 967.7748 | 0.9717 |
| Pearson Chi-Square | 996 | 918.7017 | 0.9224 |
| Scaled Pearson X2 | 996 | 918.7017 | 0.9224 |
| Log Likelihood | | 313.0348 | |
| Full Log Likelihood | | -1887.6048 | |
| AIC (smaller is better) | | 3785.2095 | |
| AICC (smaller is better) | | 3785.2699 | |
| BIC (smaller is better) | | 3809.7483 | |

WARNING: The relative Hessian convergence criterion of 0.0004780485 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009185 | -0.000581 | 0.0000557 | -0.000348 | -1.175E-9 |
| Prm2 | -0.000581 | 0.001386 | -0.000027 | 0.0000254 | 1.0963E-8 |
| Prm3 | 0.0000557 | -0.000027 | 0.0003161 | -0.000059 | 5.2756E-9 |
| Prm4 | -0.000348 | 0.0000254 | -0.000059 | 0.0003325 | -3.542E-9 |
| Dispersion | -1.175E-9 | 1.0963E-8 | 5.2756E-9 | -3.542E-9 | 0.0000103 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1643 | 0.0303 | 1.1049 | 1.2237 | 1475.78 | <.0001 |
| A | 1 | -0.1153 | 0.0372 | -0.1882 | -0.0423 | 9.59 | 0.0020 |
| M_cont | 1 | -0.0021 | 0.0178 | -0.0370 | 0.0327 | 0.01 | 0.9049 |
| C | 1 | -0.0136 | 0.0182 | -0.0494 | 0.0221 | 0.56 | 0.4546 |
| Dispersion | 1 | 0.0000 | 0.0032 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02839 | -0.17408 | 0.084387 | 0.18674 |
| 2 | 1.02839 | 0.00302 | -0.001924 | -0.00109 |
| 3 | 1.02839 | -0.00192 | 0.004322 | 0.00007 |
| 4 | 1.02839 | -0.00109 | 0.000067 | 0.00103 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA168 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1010.0112 | 1.0141 |
| Scaled Deviance | 996 | 1010.0112 | 1.0141 |
| Pearson Chi-Square | 996 | 954.8200 | 0.9587 |
| Scaled Pearson X2 | 996 | 954.8200 | 0.9587 |
| Log Likelihood | | 430.4041 | |
| Full Log Likelihood | | -1924.6346 | |
| AIC (smaller is better) | | 3859.2693 | |
| AICC (smaller is better) | | 3859.3296 | |
| BIC (smaller is better) | | 3883.8081 | |

WARNING: The relative Hessian convergence criterion of 11.56438192 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008528 | -0.000570 | 0.0000642 | -0.000298 | 0 |
| Prm2 | -0.000570 | 0.001319 | -0.000046 | 8.9702E-6 | 0 |
| Prm3 | 0.0000642 | -0.000046 | 0.0002822 | -0.000053 | 0 |
| Prm4 | -0.000298 | 8.9702E-6 | -0.000053 | 0.0003043 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1955 | 0.0292 | 1.1383 | 1.2528 | 1675.94 | <.0001 |
| A | 1 | -0.0418 | 0.0363 | -0.1130 | 0.0294 | 1.33 | 0.2497 |
| M_cont | 1 | 0.0224 | 0.0168 | -0.0105 | 0.0554 | 1.78 | 0.1817 |
| C | 1 | -0.0413 | 0.0174 | -0.0755 | -0.0071 | 5.61 | 0.0179 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06983 | -0.25437 | 0.16061 | 0.19095 |
| 2 | 1.06983 | 0.00312 | -0.00204 | -0.00107 |
| 3 | 1.06983 | -0.00204 | 0.00465 | 0.00001 |
| 4 | 1.06983 | -0.00107 | 0.00001 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA169 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 973.6409 | 0.9776 |
| Scaled Deviance | 996 | 973.6409 | 0.9776 |
| Pearson Chi-Square | 996 | 912.4789 | 0.9161 |
| Scaled Pearson X2 | 996 | 912.4789 | 0.9161 |
| Log Likelihood | | 419.6071 | |
| Full Log Likelihood | | -1905.1738 | |
| AIC (smaller is better) | | 3820.3476 | |
| AICC (smaller is better) | | 3820.4080 | |
| BIC (smaller is better) | | 3844.8864 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008160 | -0.000530 | 0.0000570 | -0.000291 | 1.8552E-9 |
| Prm2 | -0.000530 | 0.001333 | -0.000035 | -0.000025 | -3.86E-9 |
| Prm3 | 0.0000570 | -0.000035 | 0.0002787 | -0.000056 | -1.871E-9 |
| Prm4 | -0.000291 | -0.000025 | -0.000056 | 0.0003204 | -1.42E-10 |
| Dispersion | 1.8552E-9 | -3.86E-9 | -1.871E-9 | -1.42E-10 | 2.9557E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2145 | 0.0286 | 1.1585 | 1.2705 | 1807.66 | <.0001 |
| A | 1 | -0.0674 | 0.0365 | -0.1390 | 0.0042 | 3.41 | 0.0649 |
| M_cont | 1 | 0.0073 | 0.0167 | -0.0254 | 0.0400 | 0.19 | 0.6616 |
| C | 1 | -0.0545 | 0.0179 | -0.0895 | -0.0194 | 9.26 | 0.0023 |
| Dispersion | 1 | 0.0000 | 0.0005 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08064 | -0.20679 | 0.11842 | 0.19730 |
| 2 | 1.08064 | 0.00310 | -0.00196 | -0.00108 |
| 3 | 1.08064 | -0.00196 | 0.00476 | -0.00011 |
| 4 | 1.08064 | -0.00108 | -0.00011 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA170 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.9837 | 1.0652 |
| Scaled Deviance | 996 | 1060.9837 | 1.0652 |
| Pearson Chi-Square | 996 | 1000.3092 | 1.0043 |
| Scaled Pearson X2 | 996 | 1000.3092 | 1.0043 |
| Log Likelihood | | 383.8120 | |
| Full Log Likelihood | | -1970.3652 | |
| AIC (smaller is better) | | 3950.7303 | |
| AICC (smaller is better) | | 3950.7907 | |
| BIC (smaller is better) | | 3975.2691 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009555 | -0.000642 | 0.0000490 | -0.000344 | 1.3201E-6 |
| Prm2 | -0.000642 | 0.001493 | -0.000096 | 8.6982E-6 | -2.857E-6 |
| Prm3 | 0.0000490 | -0.000096 | 0.0003575 | -0.000045 | -1.247E-6 |
| Prm4 | -0.000344 | 8.6982E-6 | -0.000045 | 0.0003649 | 2.5443E-8 |
| Dispersion | 1.3201E-6 | -2.857E-6 | -1.247E-6 | 2.5443E-8 | 0.0002546 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2212 | 0.0309 | 1.1606 | 1.2818 | 1560.85 | <.0001 |
| A | 1 | -0.0604 | 0.0386 | -0.1361 | 0.0153 | 2.44 | 0.1180 |
| M_cont | 1 | 0.0501 | 0.0189 | 0.0131 | 0.0872 | 7.03 | 0.0080 |
| C | 1 | -0.0811 | 0.0191 | -0.1185 | -0.0436 | 18.00 | <.0001 |
| Dispersion | 1 | 0.0333 | 0.0160 | 0.0130 | 0.0852 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00690 | -0.17757 | 0.25911 | 0.12350 |
| 2 | 1.00690 | 0.00285 | -0.00182 | -0.00102 |
| 3 | 1.00690 | -0.00182 | 0.00411 | 0.00000 |
| 4 | 1.00690 | -0.00102 | 0.00000 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA171 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1030.8308 | 1.0350 |
| Scaled Deviance | 996 | 1030.8308 | 1.0350 |
| Pearson Chi-Square | 996 | 986.4762 | 0.9904 |
| Scaled Pearson X2 | 996 | 986.4762 | 0.9904 |
| Log Likelihood | | 483.8519 | |
| Full Log Likelihood | | -1941.6541 | |
| AIC (smaller is better) | | 3893.3083 | |
| AICC (smaller is better) | | 3893.3686 | |
| BIC (smaller is better) | | 3917.8470 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0007928 | -0.000524 | 0.0000401 | -0.000282 | -1.955E-9 |
| Prm2 | -0.000524 | 0.001326 | -0.000042 | 7.342E-8 | 1.2163E-9 |
| Prm3 | 0.0000401 | -0.000042 | 0.0002675 | -0.000051 | -9.22E-10 |
| Prm4 | -0.000282 | 7.342E-8 | -0.000051 | 0.0002972 | 1.5765E-9 |
| Dispersion | -1.955E-9 | 1.2163E-9 | -9.22E-10 | 1.5765E-9 | 2.9317E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2119 | 0.0282 | 1.1567 | 1.2671 | 1852.61 | <.0001 |
| A | 1 | -0.0933 | 0.0364 | -0.1647 | -0.0219 | 6.56 | 0.0104 |
| M_cont | 1 | 0.0192 | 0.0164 | -0.0129 | 0.0513 | 1.38 | 0.2403 |
| C | 1 | -0.0245 | 0.0172 | -0.0583 | 0.0093 | 2.02 | 0.1553 |
| Dispersion | 1 | 0.0000 | 0.0005 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09163 | -0.17032 | 0.14950 | 0.19060 |
| 2 | 1.09163 | 0.00310 | -0.00203 | -0.00107 |
| 3 | 1.09163 | -0.00203 | 0.00489 | -0.00002 |
| 4 | 1.09163 | -0.00107 | -0.00002 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA172 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1054.0306 | 1.0583 |
| Scaled Deviance | 996 | 1054.0306 | 1.0583 |
| Pearson Chi-Square | 996 | 985.3260 | 0.9893 |
| Scaled Pearson X2 | 996 | 985.3260 | 0.9893 |
| Log Likelihood | | 417.5409 | |
| Full Log Likelihood | | -1939.5532 | |
| AIC (smaller is better) | | 3889.1063 | |
| AICC (smaller is better) | | 3889.1667 | |
| BIC (smaller is better) | | 3913.6451 | |

WARNING: The relative Hessian convergence criterion of 0.4909359084 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008263 | -0.000555 | 0.0000407 | -0.000294 | 0 |
| Prm2 | -0.000555 | 0.001334 | -0.000012 | 0.0000126 | 0 |
| Prm3 | 0.0000407 | -0.000012 | 0.0002868 | -0.000045 | 0 |
| Prm4 | -0.000294 | 0.0000126 | -0.000045 | 0.0003051 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1801 | 0.0287 | 1.1237 | 1.2364 | 1685.25 | <.0001 |
| A | 1 | -0.0338 | 0.0365 | -0.1054 | 0.0378 | 0.86 | 0.3545 |
| M_cont | 1 | 0.0016 | 0.0169 | -0.0315 | 0.0348 | 0.01 | 0.9227 |
| C | 1 | -0.0336 | 0.0175 | -0.0679 | 0.0006 | 3.71 | 0.0542 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06131 | -0.14195 | 0.038157 | 0.15742 |
| 2 | 1.06131 | 0.00298 | -0.001970 | -0.00105 |
| 3 | 1.06131 | -0.00197 | 0.004641 | 0.00004 |
| 4 | 1.06131 | -0.00105 | 0.000044 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA173 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1053.6868 | 1.0579 |
| Scaled Deviance | 996 | 1053.6868 | 1.0579 |
| Pearson Chi-Square | 996 | 970.5989 | 0.9745 |
| Scaled Pearson X2 | 996 | 970.5989 | 0.9745 |
| Log Likelihood | | 464.4170 | |
| Full Log Likelihood | | -1942.4863 | |
| AIC (smaller is better) | | 3894.9726 | |
| AICC (smaller is better) | | 3895.0330 | |
| BIC (smaller is better) | | 3919.5114 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008243 | -0.000554 | 0.0000406 | -0.000296 | 1.6719E-9 |
| Prm2 | -0.000554 | 0.001329 | -0.000073 | 0.0000130 | 3.26E-10 |
| Prm3 | 0.0000406 | -0.000073 | 0.0002821 | -0.000043 | -1.733E-9 |
| Prm4 | -0.000296 | 0.0000130 | -0.000043 | 0.0003099 | -1.662E-9 |
| Dispersion | 1.6719E-9 | 3.26E-10 | -1.733E-9 | -1.662E-9 | 5.4344E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2155 | 0.0287 | 1.1593 | 1.2718 | 1792.50 | <.0001 |
| A | 1 | -0.0841 | 0.0365 | -0.1556 | -0.0127 | 5.33 | 0.0210 |
| M_cont | 1 | -0.0000 | 0.0168 | -0.0329 | 0.0329 | 0.00 | 0.9989 |
| C | 1 | -0.0348 | 0.0176 | -0.0693 | -0.0003 | 3.90 | 0.0483 |
| Dispersion | 1 | 0.0000 | 0.0007 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06670 | -0.14227 | 0.25702 | 0.15200 |
| 2 | 1.06670 | 0.00309 | -0.00203 | -0.00108 |
| 3 | 1.06670 | -0.00203 | 0.00463 | 0.00002 |
| 4 | 1.06670 | -0.00108 | 0.00002 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA174 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1055.5376 | 1.0598 |
| Scaled Deviance | 996 | 1055.5376 | 1.0598 |
| Pearson Chi-Square | 996 | 1004.8629 | 1.0089 |
| Scaled Pearson X2 | 996 | 1004.8629 | 1.0089 |
| Log Likelihood | | 449.1895 | |
| Full Log Likelihood | | -1949.3783 | |
| AIC (smaller is better) | | 3908.7566 | |
| AICC (smaller is better) | | 3908.8169 | |
| BIC (smaller is better) | | 3933.2953 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008397 | -0.000550 | 0.0000389 | -0.000306 | -4.064E-7 |
| Prm2 | -0.000550 | 0.001340 | -0.000054 | -3.867E-6 | 4.0748E-7 |
| Prm3 | 0.0000389 | -0.000054 | 0.0002950 | -0.000041 | -9.787E-7 |
| Prm4 | -0.000306 | -3.867E-6 | -0.000041 | 0.0003271 | 3.0671E-7 |
| Dispersion | -4.064E-7 | 4.0748E-7 | -9.787E-7 | 3.0671E-7 | 0.0001987 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1881 | 0.0290 | 1.1313 | 1.2449 | 1681.11 | <.0001 |
| A | 1 | -0.0826 | 0.0366 | -0.1543 | -0.0109 | 5.09 | 0.0240 |
| M_cont | 1 | 0.0333 | 0.0172 | -0.0003 | 0.0670 | 3.76 | 0.0524 |
| C | 1 | -0.0136 | 0.0181 | -0.0491 | 0.0218 | 0.57 | 0.4517 |
| Dispersion | 1 | 0.0039 | 0.0141 | 0.0000 | 4.3922 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05029 | -0.16624 | 0.18023 | 0.13873 |
| 2 | 1.05029 | 0.00293 | -0.00191 | -0.00104 |
| 3 | 1.05029 | -0.00191 | 0.00449 | -0.00004 |
| 4 | 1.05029 | -0.00104 | -0.00004 | 0.00110 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA175 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1030.5740 | 1.0347 |
| Scaled Deviance | 996 | 1030.5740 | 1.0347 |
| Pearson Chi-Square | 996 | 975.1290 | 0.9790 |
| Scaled Pearson X2 | 996 | 975.1290 | 0.9790 |
| Log Likelihood | | 308.2282 | |
| Full Log Likelihood | | -1909.9034 | |
| AIC (smaller is better) | | 3829.8067 | |
| AICC (smaller is better) | | 3829.8671 | |
| BIC (smaller is better) | | 3854.3455 | |

WARNING: The relative Hessian convergence criterion of 4.2504605738 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008577 | -0.000571 | 0.0000209 | -0.000305 | 0 |
| Prm2 | -0.000571 | 0.001373 | -0.000029 | 9.337E-7 | 0 |
| Prm3 | 0.0000209 | -0.000029 | 0.0002973 | -0.000046 | 0 |
| Prm4 | -0.000305 | 9.337E-7 | -0.000046 | 0.0003281 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2098 | 0.0293 | 1.1524 | 1.2672 | 1706.43 | <.0001 |
| A | 1 | -0.0935 | 0.0371 | -0.1661 | -0.0208 | 6.36 | 0.0117 |
| M_cont | 1 | 0.0091 | 0.0172 | -0.0247 | 0.0429 | 0.28 | 0.5977 |
| C | 1 | -0.0731 | 0.0181 | -0.1086 | -0.0376 | 16.28 | <.0001 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06485 | -0.081179 | 0.086510 | 0.15843 |
| 2 | 1.06485 | 0.003171 | -0.002020 | -0.00113 |
| 3 | 1.06485 | -0.002020 | 0.004602 | -0.00000 |
| 4 | 1.06485 | -0.001126 | -0.000005 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA176 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1092.9893 | 1.0974 |
| Scaled Deviance | 996 | 1092.9893 | 1.0974 |
| Pearson Chi-Square | 996 | 999.8203 | 1.0038 |
| Scaled Pearson X2 | 996 | 999.8203 | 1.0038 |
| Log Likelihood | | 342.0230 | |
| Full Log Likelihood | | -1952.4824 | |
| AIC (smaller is better) | | 3914.9648 | |
| AICC (smaller is better) | | 3915.0251 | |
| BIC (smaller is better) | | 3939.5035 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009110 | -0.000568 | 0.0000680 | -0.000341 | 6.1676E-7 |
| Prm2 | -0.000568 | 0.001432 | -0.000050 | 1.2026E-6 | -1.486E-7 |
| Prm3 | 0.0000680 | -0.000050 | 0.0002996 | -0.000058 | -3.168E-7 |
| Prm4 | -0.000341 | 1.2026E-6 | -0.000058 | 0.0003361 | -5.289E-7 |
| Dispersion | 6.1676E-7 | -1.486E-7 | -3.168E-7 | -5.289E-7 | 0.0002372 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1511 | 0.0302 | 1.0920 | 1.2103 | 1454.52 | <.0001 |
| A | 1 | -0.0494 | 0.0378 | -0.1236 | 0.0247 | 1.71 | 0.1914 |
| M_cont | 1 | -0.0069 | 0.0173 | -0.0408 | 0.0270 | 0.16 | 0.6905 |
| C | 1 | -0.0185 | 0.0183 | -0.0545 | 0.0174 | 1.02 | 0.3120 |
| Dispersion | 1 | 0.0119 | 0.0154 | 0.0009 | 0.1509 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06926 | -0.22006 | 0.16825 | 0.19267 |
| 2 | 1.06926 | 0.00309 | -0.00191 | -0.00112 |
| 3 | 1.06926 | -0.00191 | 0.00473 | -0.00003 |
| 4 | 1.06926 | -0.00112 | -0.00003 | 0.00109 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA177 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1070.1735 | 1.0745 |
| Scaled Deviance | 996 | 1070.1735 | 1.0745 |
| Pearson Chi-Square | 996 | 995.7856 | 0.9998 |
| Scaled Pearson X2 | 996 | 995.7856 | 0.9998 |
| Log Likelihood | | 492.2633 | |
| Full Log Likelihood | | -1956.2693 | |
| AIC (smaller is better) | | 3922.5386 | |
| AICC (smaller is better) | | 3922.5989 | |
| BIC (smaller is better) | | 3947.0774 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008431 | -0.000542 | 0.0000519 | -0.000300 | 1.1845E-6 |
| Prm2 | -0.000542 | 0.001300 | -0.000036 | -0.000013 | -1.537E-7 |
| Prm3 | 0.0000519 | -0.000036 | 0.0002875 | -0.000032 | -1.27E-6 |
| Prm4 | -0.000300 | -0.000013 | -0.000032 | 0.0003113 | -1.129E-6 |
| Dispersion | 1.1845E-6 | -1.537E-7 | -1.27E-6 | -1.129E-6 | 0.0001956 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2330 | 0.0290 | 1.1761 | 1.2899 | 1803.23 | <.0001 |
| A | 1 | -0.0623 | 0.0361 | -0.1329 | 0.0084 | 2.98 | 0.0841 |
| M_cont | 1 | -0.0004 | 0.0170 | -0.0336 | 0.0328 | 0.00 | 0.9808 |
| C | 1 | -0.0521 | 0.0176 | -0.0867 | -0.0175 | 8.73 | 0.0031 |
| Dispersion | 1 | 0.0010 | 0.0140 | 0.0000 | 1.6102E9 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05464 | -0.18184 | 0.12273 | 0.11207 |
| 2 | 1.05464 | 0.00310 | -0.00194 | -0.00109 |
| 3 | 1.05464 | -0.00194 | 0.00451 | -0.00006 |
| 4 | 1.05464 | -0.00109 | -0.00006 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA178 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1052.0768 | 1.0563 |
| Scaled Deviance | 996 | 1052.0768 | 1.0563 |
| Pearson Chi-Square | 996 | 981.9490 | 0.9859 |
| Scaled Pearson X2 | 996 | 981.9490 | 0.9859 |
| Log Likelihood | | 470.9570 | |
| Full Log Likelihood | | -1945.7912 | |
| AIC (smaller is better) | | 3901.5824 | |
| AICC (smaller is better) | | 3901.6427 | |
| BIC (smaller is better) | | 3926.1211 | |

WARNING: The relative Hessian convergence criterion of 3.2210045254 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009218 | -0.000606 | 3.4262E-6 | -0.000337 | 0 |
| Prm2 | -0.000606 | 0.001290 | -4.15E-6 | 0.0000366 | 0 |
| Prm3 | 3.4262E-6 | -4.15E-6 | 0.0003092 | -0.000034 | 0 |
| Prm4 | -0.000337 | 0.0000366 | -0.000034 | 0.0003243 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1928 | 0.0304 | 1.1333 | 1.2523 | 1543.49 | <.0001 |
| A | 1 | -0.0263 | 0.0359 | -0.0967 | 0.0441 | 0.54 | 0.4635 |
| M_cont | 1 | 0.0299 | 0.0176 | -0.0046 | 0.0643 | 2.89 | 0.0894 |
| C | 1 | -0.0349 | 0.0180 | -0.0701 | 0.0004 | 3.75 | 0.0530 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01685 | -0.042158 | 0.013194 | 0.10901 |
| 2 | 1.01685 | 0.003099 | -0.002000 | -0.00114 |
| 3 | 1.01685 | -0.002000 | 0.004197 | 0.00012 |
| 4 | 1.01685 | -0.001135 | 0.000120 | 0.00105 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA179 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1032.2940 | 1.0364 |
| Scaled Deviance | 996 | 1032.2940 | 1.0364 |
| Pearson Chi-Square | 996 | 986.3417 | 0.9903 |
| Scaled Pearson X2 | 996 | 986.3417 | 0.9903 |
| Log Likelihood | | 424.4846 | |
| Full Log Likelihood | | -1933.6584 | |
| AIC (smaller is better) | | 3877.3168 | |
| AICC (smaller is better) | | 3877.3771 | |
| BIC (smaller is better) | | 3901.8555 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008400 | -0.000549 | 0.0000414 | -0.000314 | -2.803E-9 |
| Prm2 | -0.000549 | 0.001327 | -0.000030 | 1.3419E-6 | 1.9643E-9 |
| Prm3 | 0.0000414 | -0.000030 | 0.0002977 | -0.000056 | -5.077E-9 |
| Prm4 | -0.000314 | 1.3419E-6 | -0.000056 | 0.0003394 | 2.4739E-9 |
| Dispersion | -2.803E-9 | 1.9643E-9 | -5.077E-9 | 2.4739E-9 | 8.0196E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1957 | 0.0290 | 1.1388 | 1.2525 | 1701.83 | <.0001 |
| A | 1 | -0.0520 | 0.0364 | -0.1234 | 0.0194 | 2.04 | 0.1537 |
| M_cont | 1 | 0.0118 | 0.0173 | -0.0220 | 0.0456 | 0.47 | 0.4939 |
| C | 1 | -0.0412 | 0.0184 | -0.0773 | -0.0051 | 5.01 | 0.0252 |
| Dispersion | 1 | 0.0000 | 0.0009 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04208 | -0.15018 | 0.095802 | 0.18806 |
| 2 | 1.04208 | 0.00295 | -0.001888 | -0.00109 |
| 3 | 1.04208 | -0.00189 | 0.004438 | -0.00001 |
| 4 | 1.04208 | -0.00109 | -0.000007 | 0.00112 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA180 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1070.5289 | 1.0748 |
| Scaled Deviance | 996 | 1070.5289 | 1.0748 |
| Pearson Chi-Square | 996 | 987.4586 | 0.9914 |
| Scaled Pearson X2 | 996 | 987.4586 | 0.9914 |
| Log Likelihood | | 368.1942 | |
| Full Log Likelihood | | -1934.4854 | |
| AIC (smaller is better) | | 3878.9708 | |
| AICC (smaller is better) | | 3879.0312 | |
| BIC (smaller is better) | | 3903.5096 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008206 | -0.000554 | 0.0000612 | -0.000289 | 2.9883E-9 |
| Prm2 | -0.000554 | 0.001364 | -0.000050 | 3.9741E-6 | 3.543E-9 |
| Prm3 | 0.0000612 | -0.000050 | 0.0003004 | -0.000063 | -3.501E-9 |
| Prm4 | -0.000289 | 3.9741E-6 | -0.000063 | 0.0003098 | -4.323E-9 |
| Dispersion | 2.9883E-9 | 3.543E-9 | -3.501E-9 | -4.323E-9 | 7.305E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1924 | 0.0286 | 1.1362 | 1.2485 | 1732.56 | <.0001 |
| A | 1 | -0.0306 | 0.0369 | -0.1030 | 0.0418 | 0.68 | 0.4080 |
| M_cont | 1 | 0.0087 | 0.0173 | -0.0253 | 0.0427 | 0.25 | 0.6158 |
| C | 1 | -0.0639 | 0.0176 | -0.0984 | -0.0294 | 13.17 | 0.0003 |
| Dispersion | 1 | 0.0000 | 0.0009 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04896 | -0.21054 | 0.15439 | 0.21142 |
| 2 | 1.04896 | 0.00288 | -0.00186 | -0.00100 |
| 3 | 1.04896 | -0.00186 | 0.00454 | -0.00001 |
| 4 | 1.04896 | -0.00100 | -0.00001 | 0.00099 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA181 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1066.3776 | 1.0707 |
| Scaled Deviance | 996 | 1066.3776 | 1.0707 |
| Pearson Chi-Square | 996 | 996.3077 | 1.0003 |
| Scaled Pearson X2 | 996 | 996.3077 | 1.0003 |
| Log Likelihood | | 461.7084 | |
| Full Log Likelihood | | -1951.3262 | |
| AIC (smaller is better) | | 3912.6524 | |
| AICC (smaller is better) | | 3912.7128 | |
| BIC (smaller is better) | | 3937.1912 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008522 | -0.000556 | 0.0000525 | -0.000325 | -1.173E-7 |
| Prm2 | -0.000556 | 0.001360 | -0.000057 | 0.0000228 | 4.2463E-7 |
| Prm3 | 0.0000525 | -0.000057 | 0.0002845 | -0.000058 | -2.179E-6 |
| Prm4 | -0.000325 | 0.0000228 | -0.000058 | 0.0003322 | 1.449E-7 |
| Dispersion | -1.173E-7 | 4.2463E-7 | -2.179E-6 | 1.449E-7 | 0.0002008 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2599 | 0.0292 | 1.2027 | 1.3171 | 1862.71 | <.0001 |
| A | 1 | -0.1244 | 0.0369 | -0.1967 | -0.0522 | 11.39 | 0.0007 |
| M_cont | 1 | 0.0156 | 0.0169 | -0.0174 | 0.0487 | 0.86 | 0.3546 |
| C | 1 | -0.0672 | 0.0182 | -0.1029 | -0.0314 | 13.58 | 0.0002 |
| Dispersion | 1 | 0.0037 | 0.0142 | 0.0000 | 6.6292 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06840 | -0.19777 | 0.19309 | 0.20267 |
| 2 | 1.06840 | 0.00323 | -0.00204 | -0.00119 |
| 3 | 1.06840 | -0.00204 | 0.00467 | 0.00005 |
| 4 | 1.06840 | -0.00119 | 0.00005 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA182 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1007.5665 | 1.0116 |
| Scaled Deviance | 996 | 1007.5665 | 1.0116 |
| Pearson Chi-Square | 996 | 941.3621 | 0.9451 |
| Scaled Pearson X2 | 996 | 941.3621 | 0.9451 |
| Log Likelihood | | 488.1720 | |
| Full Log Likelihood | | -1931.2704 | |
| AIC (smaller is better) | | 3872.5407 | |
| AICC (smaller is better) | | 3872.6011 | |
| BIC (smaller is better) | | 3897.0795 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008547 | -0.000567 | 0.0000361 | -0.000300 | 8.229E-10 |
| Prm2 | -0.000567 | 0.001291 | -0.000037 | 0.0000128 | -5.84E-10 |
| Prm3 | 0.0000361 | -0.000037 | 0.0002764 | -0.000050 | -3.13E-10 |
| Prm4 | -0.000300 | 0.0000128 | -0.000050 | 0.0003028 | -5.34E-10 |
| Dispersion | 8.229E-10 | -5.84E-10 | -3.13E-10 | -5.34E-10 | 1.6634E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1885 | 0.0292 | 1.1312 | 1.2458 | 1652.58 | <.0001 |
| A | 1 | -0.0084 | 0.0359 | -0.0788 | 0.0620 | 0.05 | 0.8155 |
| M_cont | 1 | 0.0160 | 0.0166 | -0.0166 | 0.0486 | 0.93 | 0.3358 |
| C | 1 | -0.0328 | 0.0174 | -0.0669 | 0.0013 | 3.55 | 0.0596 |
| Dispersion | 1 | 0.0000 | 0.0004 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07127 | -0.14741 | 0.13022 | 0.18117 |
| 2 | 1.07127 | 0.00317 | -0.00205 | -0.00110 |
| 3 | 1.07127 | -0.00205 | 0.00467 | 0.00003 |
| 4 | 1.07127 | -0.00110 | 0.00003 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA183 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1067.0842 | 1.0714 |
| Scaled Deviance | 996 | 1067.0842 | 1.0714 |
| Pearson Chi-Square | 996 | 992.0224 | 0.9960 |
| Scaled Pearson X2 | 996 | 992.0224 | 0.9960 |
| Log Likelihood | | 374.1189 | |
| Full Log Likelihood | | -1935.6595 | |
| AIC (smaller is better) | | 3881.3189 | |
| AICC (smaller is better) | | 3881.3793 | |
| BIC (smaller is better) | | 3905.8577 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009187 | -0.000598 | 0.0000405 | -0.000334 | -1.201E-8 |
| Prm2 | -0.000598 | 0.001340 | -0.000044 | 0.0000291 | 1.9783E-8 |
| Prm3 | 0.0000405 | -0.000044 | 0.0003093 | -0.000044 | -2.205E-8 |
| Prm4 | -0.000334 | 0.0000291 | -0.000044 | 0.0003187 | 4.8453E-9 |
| Dispersion | -1.201E-8 | 1.9783E-8 | -2.205E-8 | 4.8453E-9 | 3.4397E-6 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1759 | 0.0303 | 1.1165 | 1.2353 | 1505.07 | <.0001 |
| A | 1 | -0.0386 | 0.0366 | -0.1104 | 0.0331 | 1.11 | 0.2913 |
| M_cont | 1 | 0.0144 | 0.0176 | -0.0201 | 0.0489 | 0.67 | 0.4123 |
| C | 1 | -0.0378 | 0.0179 | -0.0728 | -0.0028 | 4.48 | 0.0343 |
| Dispersion | 1 | 0.0000 | 0.0019 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03174 | -0.14419 | 0.13371 | 0.14332 |
| 2 | 1.03174 | 0.00310 | -0.00197 | -0.00112 |
| 3 | 1.03174 | -0.00197 | 0.00434 | 0.00008 |
| 4 | 1.03174 | -0.00112 | 0.00008 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA184 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1039.5033 | 1.0437 |
| Scaled Deviance | 996 | 1039.5033 | 1.0437 |
| Pearson Chi-Square | 996 | 971.9705 | 0.9759 |
| Scaled Pearson X2 | 996 | 971.9705 | 0.9759 |
| Log Likelihood | | 364.5273 | |
| Full Log Likelihood | | -1922.6779 | |
| AIC (smaller is better) | | 3855.3557 | |
| AICC (smaller is better) | | 3855.4161 | |
| BIC (smaller is better) | | 3879.8945 | |

WARNING: The relative Hessian convergence criterion of 5.0089098611 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008843 | -0.000568 | 0.0000338 | -0.000309 | 0 |
| Prm2 | -0.000568 | 0.001331 | -0.000014 | -7.306E-6 | 0 |
| Prm3 | 0.0000338 | -0.000014 | 0.0002987 | -0.000047 | 0 |
| Prm4 | -0.000309 | -7.306E-6 | -0.000047 | 0.0003111 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1420 | 0.0297 | 1.0838 | 1.2003 | 1474.84 | <.0001 |
| A | 1 | 0.0057 | 0.0365 | -0.0659 | 0.0772 | 0.02 | 0.8766 |
| M_cont | 1 | -0.0017 | 0.0173 | -0.0355 | 0.0322 | 0.01 | 0.9239 |
| C | 1 | -0.0249 | 0.0176 | -0.0595 | 0.0096 | 2.00 | 0.1573 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04796 | -0.11257 | 0.046672 | 0.15768 |
| 2 | 1.04796 | 0.00302 | -0.001905 | -0.00105 |
| 3 | 1.04796 | -0.00190 | 0.004476 | -0.00003 |
| 4 | 1.04796 | -0.00105 | -0.000028 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA185 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1070.9016 | 1.0752 |
| Scaled Deviance | 996 | 1070.9016 | 1.0752 |
| Pearson Chi-Square | 996 | 1005.2120 | 1.0092 |
| Scaled Pearson X2 | 996 | 1005.2120 | 1.0092 |
| Log Likelihood | | 454.2893 | |
| Full Log Likelihood | | -1968.2383 | |
| AIC (smaller is better) | | 3946.4766 | |
| AICC (smaller is better) | | 3946.5370 | |
| BIC (smaller is better) | | 3971.0154 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009284 | -0.000595 | 0.0000485 | -0.000350 | 2.0368E-7 |
| Prm2 | -0.000595 | 0.001399 | -0.000040 | 0.0000343 | -1.23E-6 |
| Prm3 | 0.0000485 | -0.000040 | 0.0003134 | -0.000050 | 2.1667E-7 |
| Prm4 | -0.000350 | 0.0000343 | -0.000050 | 0.0003321 | 2.8064E-7 |
| Dispersion | 2.0368E-7 | -1.23E-6 | 2.1667E-7 | 2.8064E-7 | 0.0002210 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2072 | 0.0305 | 1.1475 | 1.2670 | 1569.80 | <.0001 |
| A | 1 | -0.0785 | 0.0374 | -0.1518 | -0.0052 | 4.41 | 0.0358 |
| M_cont | 1 | 0.0240 | 0.0177 | -0.0107 | 0.0587 | 1.84 | 0.1744 |
| C | 1 | -0.0319 | 0.0182 | -0.0676 | 0.0038 | 3.06 | 0.0800 |
| Dispersion | 1 | 0.0157 | 0.0149 | 0.0025 | 0.1004 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03504 | -0.17763 | 0.12299 | 0.15907 |
| 2 | 1.03504 | 0.00307 | -0.00195 | -0.00113 |
| 3 | 1.03504 | -0.00195 | 0.00441 | 0.00009 |
| 4 | 1.03504 | -0.00113 | 0.00009 | 0.00104 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA186 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1047.6182 | 1.0518 |
| Scaled Deviance | 996 | 1047.6182 | 1.0518 |
| Pearson Chi-Square | 996 | 984.0570 | 0.9880 |
| Scaled Pearson X2 | 996 | 984.0570 | 0.9880 |
| Log Likelihood | | 441.7425 | |
| Full Log Likelihood | | -1941.2507 | |
| AIC (smaller is better) | | 3892.5013 | |
| AICC (smaller is better) | | 3892.5617 | |
| BIC (smaller is better) | | 3917.0401 | |

WARNING: The relative Hessian convergence criterion of 1.7875903757 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008551 | -0.000509 | 0.0000384 | -0.000332 | 0 |
| Prm2 | -0.000509 | 0.001349 | -0.000013 | -0.000012 | 0 |
| Prm3 | 0.0000384 | -0.000013 | 0.0003057 | -0.000048 | 0 |
| Prm4 | -0.000332 | -0.000012 | -0.000048 | 0.0003300 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1879 | 0.0292 | 1.1306 | 1.2452 | 1650.10 | <.0001 |
| A | 1 | -0.0210 | 0.0367 | -0.0930 | 0.0510 | 0.33 | 0.5674 |
| M_cont | 1 | 0.0162 | 0.0175 | -0.0181 | 0.0505 | 0.86 | 0.3543 |
| C | 1 | -0.0384 | 0.0182 | -0.0740 | -0.0028 | 4.46 | 0.0347 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02400 | -0.14497 | 0.042900 | 0.16024 |
| 2 | 1.02400 | 0.00289 | -0.001684 | -0.00111 |
| 3 | 1.02400 | -0.00168 | 0.004401 | -0.00004 |
| 4 | 1.02400 | -0.00111 | -0.000039 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA187 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1085.0790 | 1.0894 |
| Scaled Deviance | 996 | 1085.0790 | 1.0894 |
| Pearson Chi-Square | 996 | 999.5799 | 1.0036 |
| Scaled Pearson X2 | 996 | 999.5799 | 1.0036 |
| Log Likelihood | | 388.7177 | |
| Full Log Likelihood | | -1943.9248 | |
| AIC (smaller is better) | | 3897.8495 | |
| AICC (smaller is better) | | 3897.9099 | |
| BIC (smaller is better) | | 3922.3883 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009638 | -0.000606 | 0.0000537 | -0.000363 | -1.643E-9 |
| Prm2 | -0.000606 | 0.001336 | -0.000070 | 0.0000270 | 7.073E-10 |
| Prm3 | 0.0000537 | -0.000070 | 0.0003110 | -0.000051 | -1.079E-9 |
| Prm4 | -0.000363 | 0.0000270 | -0.000051 | 0.0003420 | 1.3433E-9 |
| Dispersion | -1.643E-9 | 7.073E-10 | -1.079E-9 | 1.3433E-9 | 4.7433E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1605 | 0.0310 | 1.0997 | 1.2214 | 1397.45 | <.0001 |
| A | 1 | -0.0110 | 0.0365 | -0.0826 | 0.0607 | 0.09 | 0.7643 |
| M_cont | 1 | 0.0430 | 0.0176 | 0.0085 | 0.0776 | 5.96 | 0.0147 |
| C | 1 | -0.0323 | 0.0185 | -0.0686 | 0.0039 | 3.06 | 0.0803 |
| Dispersion | 1 | 0.0000 | 0.0007 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02179 | -0.21386 | 0.22238 | 0.16242 |
| 2 | 1.02179 | 0.00313 | -0.00192 | -0.00117 |
| 3 | 1.02179 | -0.00192 | 0.00424 | 0.00006 |
| 4 | 1.02179 | -0.00117 | 0.00006 | 0.00107 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA188 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1060.0920 | 1.0643 |
| Scaled Deviance | 996 | 1060.0920 | 1.0643 |
| Pearson Chi-Square | 996 | 996.9905 | 1.0010 |
| Scaled Pearson X2 | 996 | 996.9905 | 1.0010 |
| Log Likelihood | | 491.9200 | |
| Full Log Likelihood | | -1957.6721 | |
| AIC (smaller is better) | | 3925.3443 | |
| AICC (smaller is better) | | 3925.4046 | |
| BIC (smaller is better) | | 3949.8830 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008179 | -0.000587 | 0.0000428 | -0.000270 | 1.2606E-6 |
| Prm2 | -0.000587 | 0.001319 | -0.000031 | 0.0000228 | -3.728E-6 |
| Prm3 | 0.0000428 | -0.000031 | 0.0002772 | -0.000043 | -1.998E-6 |
| Prm4 | -0.000270 | 0.0000228 | -0.000043 | 0.0002887 | 4.0647E-7 |
| Dispersion | 1.2606E-6 | -3.728E-6 | -1.998E-6 | 4.0647E-7 | 0.0002012 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2239 | 0.0286 | 1.1678 | 1.2799 | 1831.39 | <.0001 |
| A | 1 | 0.0201 | 0.0363 | -0.0511 | 0.0913 | 0.31 | 0.5805 |
| M_cont | 1 | 0.0258 | 0.0166 | -0.0068 | 0.0585 | 2.41 | 0.1207 |
| C | 1 | -0.0861 | 0.0170 | -0.1194 | -0.0528 | 25.65 | <.0001 |
| Dispersion | 1 | 0.0059 | 0.0142 | 0.0001 | 0.6563 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08436 | -0.19157 | 0.11276 | 0.16395 |
| 2 | 1.08436 | 0.00313 | -0.00213 | -0.00106 |
| 3 | 1.08436 | -0.00213 | 0.00482 | 0.00009 |
| 4 | 1.08436 | -0.00106 | 0.00009 | 0.00102 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA189 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 942.7526 | 0.9465 |
| Scaled Deviance | 996 | 942.7526 | 0.9465 |
| Pearson Chi-Square | 996 | 903.5928 | 0.9072 |
| Scaled Pearson X2 | 996 | 903.5928 | 0.9072 |
| Log Likelihood | | 328.9917 | |
| Full Log Likelihood | | -1882.5278 | |
| AIC (smaller is better) | | 3775.0556 | |
| AICC (smaller is better) | | 3775.1159 | |
| BIC (smaller is better) | | 3799.5943 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009048 | -0.000590 | 0.0000591 | -0.000336 | -4.24E-10 |
| Prm2 | -0.000590 | 0.001381 | -0.000087 | 0.0000155 | 4.144E-10 |
| Prm3 | 0.0000591 | -0.000087 | 0.0003014 | -0.000047 | -7.86E-10 |
| Prm4 | -0.000336 | 0.0000155 | -0.000047 | 0.0003378 | 3.083E-10 |
| Dispersion | -4.24E-10 | 4.144E-10 | -7.86E-10 | 3.083E-10 | 1.0638E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1804 | 0.0301 | 1.1215 | 1.2394 | 1540.01 | <.0001 |
| A | 1 | -0.0762 | 0.0372 | -0.1490 | -0.0033 | 4.20 | 0.0404 |
| M_cont | 1 | 0.0084 | 0.0174 | -0.0256 | 0.0425 | 0.24 | 0.6276 |
| C | 1 | -0.0409 | 0.0184 | -0.0769 | -0.0049 | 4.95 | 0.0261 |
| Dispersion | 1 | 0.0000 | 0.0003 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05095 | -0.20676 | 0.28430 | 0.16095 |
| 2 | 1.05095 | 0.00315 | -0.00198 | -0.00114 |
| 3 | 1.05095 | -0.00198 | 0.00448 | 0.00001 |
| 4 | 1.05095 | -0.00114 | 0.00001 | 0.00111 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA190 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1053.8288 | 1.0581 |
| Scaled Deviance | 996 | 1053.8288 | 1.0581 |
| Pearson Chi-Square | 996 | 998.0855 | 1.0021 |
| Scaled Pearson X2 | 996 | 998.0855 | 1.0021 |
| Log Likelihood | | 385.0640 | |
| Full Log Likelihood | | -1935.6639 | |
| AIC (smaller is better) | | 3881.3277 | |
| AICC (smaller is better) | | 3881.3881 | |
| BIC (smaller is better) | | 3905.8665 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009012 | -0.000567 | 0.0000503 | -0.000343 | 2.4885E-6 |
| Prm2 | -0.000567 | 0.001381 | -0.000053 | 0.0000257 | -4.287E-7 |
| Prm3 | 0.0000503 | -0.000053 | 0.0002812 | -0.000036 | 2.5216E-7 |
| Prm4 | -0.000343 | 0.0000257 | -0.000036 | 0.0003235 | -2.214E-6 |
| Dispersion | 2.4885E-6 | -4.287E-7 | 2.5216E-7 | -2.214E-6 | 0.0002064 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2013 | 0.0300 | 1.1424 | 1.2601 | 1601.25 | <.0001 |
| A | 1 | -0.0978 | 0.0372 | -0.1707 | -0.0250 | 6.93 | 0.0085 |
| M_cont | 1 | -0.0233 | 0.0168 | -0.0562 | 0.0096 | 1.93 | 0.1644 |
| C | 1 | -0.0358 | 0.0180 | -0.0711 | -0.0006 | 3.97 | 0.0464 |
| Dispersion | 1 | 0.0013 | 0.0144 | 0.0000 | 3676134 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07931 | -0.15558 | 0.18860 | 0.13312 |
| 2 | 1.07931 | 0.00337 | -0.00208 | -0.00125 |
| 3 | 1.07931 | -0.00208 | 0.00480 | 0.00008 |
| 4 | 1.07931 | -0.00125 | 0.00008 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA191 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1040.5701 | 1.0447 |
| Scaled Deviance | 996 | 1040.5701 | 1.0447 |
| Pearson Chi-Square | 996 | 991.9760 | 0.9960 |
| Scaled Pearson X2 | 996 | 991.9760 | 0.9960 |
| Log Likelihood | | 313.7946 | |
| Full Log Likelihood | | -1915.1869 | |
| AIC (smaller is better) | | 3840.3739 | |
| AICC (smaller is better) | | 3840.4342 | |
| BIC (smaller is better) | | 3864.9126 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008540 | -0.000539 | 0.0000419 | -0.000306 | -3.724E-7 |
| Prm2 | -0.000539 | 0.001403 | -0.000047 | -0.000015 | 1.6966E-6 |
| Prm3 | 0.0000419 | -0.000047 | 0.0002649 | -0.000030 | 1.2967E-7 |
| Prm4 | -0.000306 | -0.000015 | -0.000030 | 0.0003109 | -3.147E-7 |
| Dispersion | -3.724E-7 | 1.6966E-6 | 1.2967E-7 | -3.147E-7 | 0.0002007 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2078 | 0.0292 | 1.1505 | 1.2651 | 1708.23 | <.0001 |
| A | 1 | -0.1115 | 0.0375 | -0.1849 | -0.0381 | 8.86 | 0.0029 |
| M_cont | 1 | -0.0149 | 0.0163 | -0.0468 | 0.0170 | 0.84 | 0.3588 |
| C | 1 | -0.0586 | 0.0176 | -0.0931 | -0.0240 | 11.03 | 0.0009 |
| Dispersion | 1 | 0.0005 | 0.0142 | 0.0000 | 1.78E20 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.12875 | -0.14826 | 0.17579 | 0.12105 |
| 2 | 1.12875 | 0.00352 | -0.00215 | -0.00124 |
| 3 | 1.12875 | -0.00215 | 0.00522 | -0.00006 |
| 4 | 1.12875 | -0.00124 | -0.00006 | 0.00118 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA192 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1018.8150 | 1.0229 |
| Scaled Deviance | 996 | 1018.8150 | 1.0229 |
| Pearson Chi-Square | 996 | 956.5978 | 0.9604 |
| Scaled Pearson X2 | 996 | 956.5978 | 0.9604 |
| Log Likelihood | | 361.0443 | |
| Full Log Likelihood | | -1915.2455 | |
| AIC (smaller is better) | | 3840.4911 | |
| AICC (smaller is better) | | 3840.5514 | |
| BIC (smaller is better) | | 3865.0298 | |

WARNING: The relative Hessian convergence criterion of 13.116255881 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008862 | -0.000573 | 0.0000606 | -0.000333 | 0 |
| Prm2 | -0.000573 | 0.001373 | -0.000061 | 0.0000223 | 0 |
| Prm3 | 0.0000606 | -0.000061 | 0.0003217 | -0.000050 | 0 |
| Prm4 | -0.000333 | 0.0000223 | -0.000050 | 0.0003291 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1774 | 0.0298 | 1.1190 | 1.2357 | 1564.25 | <.0001 |
| A | 1 | -0.0329 | 0.0370 | -0.1055 | 0.0398 | 0.79 | 0.3751 |
| M_cont | 1 | -0.0140 | 0.0179 | -0.0491 | 0.0212 | 0.61 | 0.4358 |
| C | 1 | -0.0457 | 0.0181 | -0.0813 | -0.0102 | 6.35 | 0.0117 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01280 | -0.17840 | 0.19061 | 0.15943 |
| 2 | 1.01280 | 0.00288 | -0.00180 | -0.00107 |
| 3 | 1.01280 | -0.00180 | 0.00424 | 0.00005 |
| 4 | 1.01280 | -0.00107 | 0.00005 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA193 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1057.6770 | 1.0619 |
| Scaled Deviance | 996 | 1057.6770 | 1.0619 |
| Pearson Chi-Square | 996 | 1000.9795 | 1.0050 |
| Scaled Pearson X2 | 996 | 1000.9795 | 1.0050 |
| Log Likelihood | | 494.4763 | |
| Full Log Likelihood | | -1969.0895 | |
| AIC (smaller is better) | | 3948.1790 | |
| AICC (smaller is better) | | 3948.2393 | |
| BIC (smaller is better) | | 3972.7178 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008627 | -0.000540 | 0.0000703 | -0.000316 | 2.3735E-7 |
| Prm2 | -0.000540 | 0.001410 | -0.000072 | -2.428E-6 | 1.0724E-7 |
| Prm3 | 0.0000703 | -0.000072 | 0.0002891 | -0.000044 | 6.4307E-7 |
| Prm4 | -0.000316 | -2.428E-6 | -0.000044 | 0.0003088 | -2.788E-7 |
| Dispersion | 2.3735E-7 | 1.0724E-7 | 6.4307E-7 | -2.788E-7 | 0.0002135 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2334 | 0.0294 | 1.1758 | 1.2910 | 1763.42 | <.0001 |
| A | 1 | -0.1265 | 0.0375 | -0.2001 | -0.0529 | 11.36 | 0.0008 |
| M_cont | 1 | -0.0056 | 0.0170 | -0.0389 | 0.0277 | 0.11 | 0.7429 |
| C | 1 | -0.0281 | 0.0176 | -0.0625 | 0.0063 | 2.56 | 0.1098 |
| Dispersion | 1 | 0.0139 | 0.0146 | 0.0018 | 0.1088 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07309 | -0.24101 | 0.24652 | 0.15548 |
| 2 | 1.07309 | 0.00312 | -0.00193 | -0.00110 |
| 3 | 1.07309 | -0.00193 | 0.00474 | -0.00004 |
| 4 | 1.07309 | -0.00110 | -0.00004 | 0.00106 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA194 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1065.6668 | 1.0699 |
| Scaled Deviance | 996 | 1065.6668 | 1.0699 |
| Pearson Chi-Square | 996 | 998.7887 | 1.0028 |
| Scaled Pearson X2 | 996 | 998.7887 | 1.0028 |
| Log Likelihood | | 493.4347 | |
| Full Log Likelihood | | -1972.2023 | |
| AIC (smaller is better) | | 3954.4046 | |
| AICC (smaller is better) | | 3954.4650 | |
| BIC (smaller is better) | | 3978.9434 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009529 | -0.000612 | 0.0000303 | -0.000357 | -3.383E-6 |
| Prm2 | -0.000612 | 0.001364 | -0.000070 | 0.0000308 | 2.4702E-6 |
| Prm3 | 0.0000303 | -0.000070 | 0.0003168 | -0.000046 | -1.734E-6 |
| Prm4 | -0.000357 | 0.0000308 | -0.000046 | 0.0003455 | 2.4504E-6 |
| Dispersion | -3.383E-6 | 2.4702E-6 | -1.734E-6 | 2.4504E-6 | 0.0002127 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2166 | 0.0309 | 1.1561 | 1.2771 | 1553.16 | <.0001 |
| A | 1 | -0.0417 | 0.0369 | -0.1141 | 0.0306 | 1.28 | 0.2585 |
| M_cont | 1 | 0.0464 | 0.0178 | 0.0115 | 0.0812 | 6.78 | 0.0092 |
| C | 1 | -0.0493 | 0.0186 | -0.0858 | -0.0129 | 7.04 | 0.0080 |
| Dispersion | 1 | 0.0150 | 0.0146 | 0.0022 | 0.1006 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02313 | -0.14889 | 0.21932 | 0.15304 |
| 2 | 1.02313 | 0.00315 | -0.00196 | -0.00118 |
| 3 | 1.02313 | -0.00196 | 0.00425 | 0.00008 |
| 4 | 1.02313 | -0.00118 | 0.00008 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA195 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 992.7847 | 0.9968 |
| Scaled Deviance | 996 | 992.7847 | 0.9968 |
| Pearson Chi-Square | 996 | 937.3242 | 0.9411 |
| Scaled Pearson X2 | 996 | 937.3242 | 0.9411 |
| Log Likelihood | | 369.1196 | |
| Full Log Likelihood | | -1907.6250 | |
| AIC (smaller is better) | | 3825.2499 | |
| AICC (smaller is better) | | 3825.3103 | |
| BIC (smaller is better) | | 3849.7887 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009501 | -0.000588 | 0.0000759 | -0.000356 | 6.5916E-9 |
| Prm2 | -0.000588 | 0.001360 | -0.000081 | 0.0000140 | -4.246E-9 |
| Prm3 | 0.0000759 | -0.000081 | 0.0002845 | -0.000050 | 3.793E-10 |
| Prm4 | -0.000356 | 0.0000140 | -0.000050 | 0.0003321 | -4.436E-9 |
| Dispersion | 6.5916E-9 | -4.246E-9 | 3.793E-10 | -4.436E-9 | 7.7074E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1804 | 0.0308 | 1.1200 | 1.2408 | 1466.55 | <.0001 |
| A | 1 | -0.0595 | 0.0369 | -0.1317 | 0.0128 | 2.60 | 0.1069 |
| M_cont | 1 | -0.0097 | 0.0169 | -0.0428 | 0.0233 | 0.33 | 0.5640 |
| C | 1 | -0.0324 | 0.0182 | -0.0681 | 0.0033 | 3.16 | 0.0756 |
| Dispersion | 1 | 0.0000 | 0.0009 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07508 | -0.25685 | 0.28337 | 0.17693 |
| 2 | 1.07508 | 0.00344 | -0.00207 | -0.00126 |
| 3 | 1.07508 | -0.00207 | 0.00469 | 0.00001 |
| 4 | 1.07508 | -0.00126 | 0.00001 | 0.00114 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA196 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1069.7213 | 1.0740 |
| Scaled Deviance | 996 | 1069.7213 | 1.0740 |
| Pearson Chi-Square | 996 | 999.0622 | 1.0031 |
| Scaled Pearson X2 | 996 | 999.0622 | 1.0031 |
| Log Likelihood | | 379.8119 | |
| Full Log Likelihood | | -1946.4144 | |
| AIC (smaller is better) | | 3902.8288 | |
| AICC (smaller is better) | | 3902.8891 | |
| BIC (smaller is better) | | 3927.3676 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009647 | -0.000586 | 0.0000565 | -0.000384 | 4.0846E-8 |
| Prm2 | -0.000586 | 0.001390 | -0.000060 | 0.0000185 | -6.497E-7 |
| Prm3 | 0.0000565 | -0.000060 | 0.0002913 | -0.000045 | -9.888E-7 |
| Prm4 | -0.000384 | 0.0000185 | -0.000045 | 0.0003678 | 2.6148E-7 |
| Dispersion | 4.0846E-8 | -6.497E-7 | -9.888E-7 | 2.6148E-7 | 0.0002172 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1990 | 0.0311 | 1.1381 | 1.2599 | 1490.21 | <.0001 |
| A | 1 | -0.0819 | 0.0373 | -0.1550 | -0.0088 | 4.83 | 0.0280 |
| M_cont | 1 | 0.0199 | 0.0171 | -0.0135 | 0.0534 | 1.37 | 0.2426 |
| C | 1 | -0.0417 | 0.0192 | -0.0793 | -0.0041 | 4.72 | 0.0297 |
| Dispersion | 1 | 0.0074 | 0.0147 | 0.0002 | 0.3636 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07375 | -0.21556 | 0.20118 | 0.15493 |
| 2 | 1.07375 | 0.00347 | -0.00205 | -0.00135 |
| 3 | 1.07375 | -0.00205 | 0.00471 | 0.00003 |
| 4 | 1.07375 | -0.00135 | 0.00003 | 0.00126 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA197 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1058.8150 | 1.0631 |
| Scaled Deviance | 996 | 1058.8150 | 1.0631 |
| Pearson Chi-Square | 996 | 991.9526 | 0.9959 |
| Scaled Pearson X2 | 996 | 991.9526 | 0.9959 |
| Log Likelihood | | 462.9524 | |
| Full Log Likelihood | | -1948.3181 | |
| AIC (smaller is better) | | 3906.6362 | |
| AICC (smaller is better) | | 3906.6966 | |
| BIC (smaller is better) | | 3931.1750 | |

WARNING: The relative Hessian convergence criterion of 0.2095905378 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0009180 | -0.000633 | 0.0000537 | -0.000318 | 0 |
| Prm2 | -0.000633 | 0.001304 | -0.000061 | 0.0000526 | 0 |
| Prm3 | 0.0000537 | -0.000061 | 0.0002868 | -0.000049 | 0 |
| Prm4 | -0.000318 | 0.0000526 | -0.000049 | 0.0002962 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1725 | 0.0303 | 1.1131 | 1.2319 | 1497.53 | <.0001 |
| A | 1 | 0.0165 | 0.0361 | -0.0542 | 0.0873 | 0.21 | 0.6471 |
| M_cont | 1 | 0.0081 | 0.0169 | -0.0251 | 0.0413 | 0.23 | 0.6337 |
| C | 1 | -0.0332 | 0.0172 | -0.0669 | 0.0005 | 3.72 | 0.0538 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05431 | -0.19751 | 0.21214 | 0.17257 |
| 2 | 1.05431 | 0.00324 | -0.00217 | -0.00112 |
| 3 | 1.05431 | -0.00217 | 0.00453 | 0.00015 |
| 4 | 1.05431 | -0.00112 | 0.00015 | 0.00101 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA198 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1043.8828 | 1.0481 |
| Scaled Deviance | 996 | 1043.8828 | 1.0481 |
| Pearson Chi-Square | 996 | 974.3163 | 0.9782 |
| Scaled Pearson X2 | 996 | 974.3163 | 0.9782 |
| Log Likelihood | | 317.4648 | |
| Full Log Likelihood | | -1915.3759 | |
| AIC (smaller is better) | | 3840.7518 | |
| AICC (smaller is better) | | 3840.8121 | |
| BIC (smaller is better) | | 3865.2905 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008685 | -0.000605 | 0.0000362 | -0.000286 | 2.933E-10 |
| Prm2 | -0.000605 | 0.001349 | -0.000055 | -4.359E-6 | 5.055E-10 |
| Prm3 | 0.0000362 | -0.000055 | 0.0003379 | -0.000040 | -9.43E-10 |
| Prm4 | -0.000286 | -4.359E-6 | -0.000040 | 0.0003147 | -4.71E-10 |
| Dispersion | 2.933E-10 | 5.055E-10 | -9.43E-10 | -4.71E-10 | 1.4874E-7 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1867 | 0.0295 | 1.1289 | 1.2445 | 1621.43 | <.0001 |
| A | 1 | -0.0175 | 0.0367 | -0.0895 | 0.0545 | 0.23 | 0.6333 |
| M_cont | 1 | 0.0190 | 0.0184 | -0.0171 | 0.0550 | 1.06 | 0.3024 |
| C | 1 | -0.0809 | 0.0177 | -0.1157 | -0.0461 | 20.80 | <.0001 |
| Dispersion | 1 | 0.0000 | 0.0004 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99185 | -0.13215 | 0.16348 | 0.12545 |
| 2 | 0.99185 | 0.00272 | -0.00179 | -0.00091 |
| 3 | 0.99185 | -0.00179 | 0.00396 | -0.00002 |
| 4 | 0.99185 | -0.00091 | -0.00002 | 0.00091 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA199 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 989.7059 | 0.9937 |
| Scaled Deviance | 996 | 989.7059 | 0.9937 |
| Pearson Chi-Square | 996 | 945.0346 | 0.9488 |
| Scaled Pearson X2 | 996 | 945.0346 | 0.9488 |
| Log Likelihood | | 314.8760 | |
| Full Log Likelihood | | -1898.7123 | |
| AIC (smaller is better) | | 3807.4246 | |
| AICC (smaller is better) | | 3807.4850 | |
| BIC (smaller is better) | | 3831.9634 | |

WARNING: The relative Hessian convergence criterion of 28.288357855 is greater than the limit of 0.0001. The convergence is questionable.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008741 | -0.000571 | 0.0000377 | -0.000306 | 0 |
| Prm2 | -0.000571 | 0.001371 | -0.000068 | -6.802E-6 | 0 |
| Prm3 | 0.0000377 | -0.000068 | 0.0003120 | -0.000051 | 0 |
| Prm4 | -0.000306 | -6.802E-6 | -0.000051 | 0.0003187 | 0 |
| Dispersion | 0 | 0 | 0 | 0 | 0 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1564 | 0.0296 | 1.0985 | 1.2144 | 1530.05 | <.0001 |
| A | 1 | -0.0489 | 0.0370 | -0.1215 | 0.0236 | 1.75 | 0.1862 |
| M_cont | 1 | 0.0055 | 0.0177 | -0.0291 | 0.0402 | 0.10 | 0.7540 |
| C | 1 | -0.0321 | 0.0179 | -0.0671 | 0.0029 | 3.23 | 0.0722 |
| Dispersion | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03653 | -0.12466 | 0.21596 | 0.16314 |
| 2 | 1.03653 | 0.00293 | -0.00187 | -0.00101 |
| 3 | 1.03653 | -0.00187 | 0.00436 | -0.00005 |
| 4 | 1.03653 | -0.00101 | -0.00005 | 0.00100 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1100 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 996 | 1025.5778 | 1.0297 |
| Scaled Deviance | 996 | 1025.5778 | 1.0297 |
| Pearson Chi-Square | 996 | 950.2821 | 0.9541 |
| Scaled Pearson X2 | 996 | 950.2821 | 0.9541 |
| Log Likelihood | | 422.1525 | |
| Full Log Likelihood | | -1926.0651 | |
| AIC (smaller is better) | | 3862.1302 | |
| AICC (smaller is better) | | 3862.1905 | |
| BIC (smaller is better) | | 3886.6689 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 0.0008639 | -0.000563 | 0.0000376 | -0.000304 | 3.951E-10 |
| Prm2 | -0.000563 | 0.001315 | -0.000020 | 1.6002E-7 | -2.33E-10 |
| Prm3 | 0.0000376 | -0.000020 | 0.0002819 | -0.000038 | 3.631E-10 |
| Prm4 | -0.000304 | 1.6002E-7 | -0.000038 | 0.0003079 | -3.07E-10 |
| Dispersion | 3.951E-10 | -2.33E-10 | 3.631E-10 | -3.07E-10 | 8.3784E-8 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.2033 | 0.0294 | 1.1457 | 1.2609 | 1675.97 | <.0001 |
| A | 1 | -0.0648 | 0.0363 | -0.1359 | 0.0063 | 3.19 | 0.0740 |
| M_cont | 1 | -0.0243 | 0.0168 | -0.0572 | 0.0086 | 2.09 | 0.1482 |
| C | 1 | -0.0392 | 0.0175 | -0.0736 | -0.0048 | 4.99 | 0.0254 |
| Dispersion | 1 | 0.0000 | 0.0003 | . | . | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07178 | -0.11316 | 0.075270 | 0.14162 |
| 2 | 1.07178 | 0.00323 | -0.002067 | -0.00112 |
| 3 | 1.07178 | -0.00207 | 0.004651 | -0.00000 |
| 4 | 1.07178 | -0.00112 | -0.000003 | 0.00108 |

The GENMOD Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Distribution | Negative Binomial |
| Link Function | Log |
| Dependent Variable | Y_count_noint |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Prm1 | Intercept |
| Prm2 | A |
| Prm3 | M_cont |
| Prm4 | C |

| Criteria For Assessing Goodness Of Fit | | | |
|---|---|---|---|
| Criterion | DF | Value | Value/DF |
| Deviance | 1E5 | 105963.2312 | 1.0597 |
| Scaled Deviance | 1E5 | 105963.2312 | 1.0597 |
| Pearson Chi-Square | 1E5 | 99953.4598 | 0.9996 |
| Scaled Pearson X2 | 1E5 | 99953.4598 | 0.9996 |
| Log Likelihood | | 40339.9346 | |
| Full Log Likelihood | | -193960.6776 | |
| AIC (smaller is better) | | 387931.3552 | |
| AICC (smaller is better) | | 387931.3558 | |
| BIC (smaller is better) | | 387978.9198 | |

Algorithm converged.

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Prm1 | Prm2 | Prm3 | Prm4 | Dispersion |
| Prm1 | 8.6103E-6 | -5.612E-6 | 5.0091E-7 | -3.141E-6 | 2.8969E-9 |
| Prm2 | -5.612E-6 | 0.0000135 | -5.009E-7 | 9.5329E-8 | 5.721E-10 |
| Prm3 | 5.0091E-7 | -5.009E-7 | 2.951E-6 | -4.967E-7 | -7.87E-9 |
| Prm4 | -3.141E-6 | 9.5329E-8 | -4.967E-7 | 3.1888E-6 | -2.599E-9 |
| Dispersion | 2.8969E-9 | 5.721E-10 | -7.87E-9 | -2.599E-9 | 2.0122E-6 |

The GENMOD Procedure

| Analysis Of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | Wald 95% Confidence Limits | | Wald Chi-Square | Pr > ChiSq |
| Intercept | 1 | 1.1959 | 0.0029 | 1.1902 | 1.2017 | 166109 | <.0001 |
| A | 1 | -0.0552 | 0.0037 | -0.0624 | -0.0480 | 226.75 | <.0001 |
| M_cont | 1 | 0.0075 | 0.0017 | 0.0041 | 0.0109 | 19.14 | <.0001 |
| C | 1 | -0.0440 | 0.0018 | -0.0475 | -0.0405 | 606.22 | <.0001 |
| Dispersion | 1 | 0.0007 | 0.0014 | 0.0000 | 0.0325 | | |

The negative binomial dispersion parameter was estimated by maximum likelihood.

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3680.69749 | 1840.34875 | 1668.97 | <.0001 |
| Error | 99997 | 110265 | 1.10269 | | |
| Corrected Total | 99999 | 113946 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.05009 | R-Square | 0.0323 |
| Dependent Mean | 0.06718 | Adj R-Sq | 0.0323 |
| Coeff Var | 1563.13983 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17856 | 0.00552 | -32.35 | <.0001 |
| A | 1 | 0.16675 | 0.00672 | 24.83 | <.0001 |
| C | 1 | 0.17013 | 0.00325 | 52.29 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05009 | -0.17856 | 0.16675 | 0.17013 |
| 2 | 1.05009 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.05009 | -0.00002 | 0.00005 | 0.00000 |
| 4 | 1.05009 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.94686 | 0.034491 | 0.88614 | 1.01399 |
| 2 | nie | 1.00121 | 0.003515 | 0.99504 | 1.01170 |
| 3 | total effect | 0.94801 | 0.034828 | 0.88566 | 1.01505 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA11 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 880 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 880 | 628 | 252 | 28.64 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7892.216 | 7882.985 |
| AIC | 7892.216 | 7888.985 |
| SBC | 7892.216 | 7902.313 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 9.2303 | 3 | 0.0264 |
| Score | 9.3085 | 3 | 0.0255 |
| Wald | 9.3029 | 3 | 0.0255 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.05547 | 0.08132 | 0.4652 | 0.4952 | 0.946 |
| M_cont | 1 | -0.03752 | 0.03565 | 1.1079 | 0.2925 | 0.963 |
| C | 1 | -0.10875 | 0.04295 | 6.4106 | 0.0113 | 0.897 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066133831 | -.0002485412 | 0.0002160786 |
| M_cont | -.0002485412 | 0.0012706977 | -.0002966586 |
| C | 0.0002160786 | -.0002966586 | 0.0018448742 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07567 | -0.19291 | 0.16912 | 0.17894 |
| 2 | 1.07567 | 0.00332 | -0.00214 | -0.00117 |
| 3 | 1.07567 | -0.00214 | 0.00471 | 0.00009 |
| 4 | 1.07567 | -0.00117 | 0.00009 | 0.00108 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA12 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 874 | 633 | 241 | 27.57 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7932.033 | 7923.630 |
| AIC | 7932.033 | 7929.630 |
| SBC | 7932.033 | 7942.982 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.4022 | 3 | 0.0384 |
| Score | 8.3088 | 3 | 0.0400 |
| Wald | 8.2743 | 3 | 0.0407 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.22576 | 0.08207 | 7.5665 | 0.0059 | 0.798 |
| M_cont | 1 | -0.02247 | 0.03596 | 0.3905 | 0.5320 | 0.978 |
| C | 1 | 0.00699 | 0.03874 | 0.0326 | 0.8567 | 1.007 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067360473 | -.0002230771 | 0.0000513481 |
| M_cont | -.0002230771 | 0.0012930107 | -.0002093371 |
| C | 0.0000513481 | -.0002093371 | 0.0015008388 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04704 | -0.16921 | 0.11624 | 0.16228 |
| 2 | 1.04704 | 0.00286 | -0.00180 | -0.00099 |
| 3 | 1.04704 | -0.00180 | 0.00453 | -0.00007 |
| 4 | 1.04704 | -0.00099 | -0.00007 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA13 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 640 | 236 | 26.94 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8014.177 | 8003.504 |
| AIC | 8014.177 | 8009.504 |
| SBC | 8014.177 | 8022.888 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.6738 | 3 | 0.0136 |
| Score | 10.6629 | 3 | 0.0137 |
| Wald | 10.6710 | 3 | 0.0136 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.03770 | 0.08067 | 0.2184 | 0.6402 | 0.963 |
| M_cont | 1 | -0.10743 | 0.03683 | 8.5100 | 0.0035 | 0.898 |
| C | 1 | -0.03392 | 0.03891 | 0.7600 | 0.3833 | 0.967 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065084396 | -.0003095065 | -.0000090627 |
| M_cont | -.0003095065 | 0.0013561821 | -.0001745884 |
| C | -.0000090627 | -.0001745884 | 0.0015137932 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03355 | -0.13661 | 0.10849 | 0.13660 |
| 2 | 1.03355 | 0.00290 | -0.00186 | -0.00098 |
| 3 | 1.03355 | -0.00186 | 0.00435 | -0.00002 |
| 4 | 1.03355 | -0.00098 | -0.00002 | 0.00094 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA14 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 871 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 871 | 628 | 243 | 27.90 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7869.608 | 7855.593 |
| AIC | 7869.608 | 7861.593 |
| SBC | 7869.608 | 7874.921 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 14.0151 | 3 | 0.0029 |
| Score | 13.9521 | 3 | 0.0030 |
| Wald | 13.9230 | 3 | 0.0030 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.17999 | 0.08381 | 4.6125 | 0.0317 | 0.835 |
| M_cont | 1 | -0.08554 | 0.03729 | 5.2614 | 0.0218 | 0.918 |
| C | 1 | -0.03962 | 0.03932 | 1.0154 | 0.3136 | 0.961 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0070234894 | -.0005753538 | -.0000293054 |
| M_cont | -.0005753538 | 0.0013906336 | -.0001636397 |
| C | -.0000293054 | -.0001636397 | 0.0015462256 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04117 | -0.22348 | 0.29522 | 0.16099 |
| 2 | 1.04117 | 0.00266 | -0.00173 | -0.00091 |
| 3 | 1.04117 | -0.00173 | 0.00450 | -0.00011 |
| 4 | 1.04117 | -0.00091 | -0.00011 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA15 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 897 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 897 | 671 | 226 | 25.20 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8408.285 | 8394.426 |
| AIC | 8408.285 | 8400.426 |
| SBC | 8408.285 | 8413.952 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.8598 | 3 | 0.0031 |
| Score | 13.7669 | 3 | 0.0032 |
| Wald | 13.7280 | 3 | 0.0033 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.23479 | 0.07900 | 8.8323 | 0.0030 | 0.791 |
| M_cont | 1 | -0.07088 | 0.03564 | 3.9546 | 0.0467 | 0.932 |
| C | 1 | -0.02433 | 0.04075 | 0.3564 | 0.5505 | 0.976 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062412688 | -.0000937460 | 0.0001672012 |
| M_cont | -.0000937460 | 0.0012702784 | -.0001969461 |
| C | 0.0001672012 | -.0001969461 | 0.0016606477 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02310 | -0.20812 | 0.16623 | 0.17332 |
| 2 | 1.02310 | 0.00304 | -0.00189 | -0.00112 |
| 3 | 1.02310 | -0.00189 | 0.00427 | 0.00005 |
| 4 | 1.02310 | -0.00112 | 0.00005 | 0.00104 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA16 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 879 | 626 | 253 | 28.78 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7867.558 | 7854.828 |
| AIC | 7867.558 | 7860.828 |
| SBC | 7867.558 | 7874.146 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.7293 | 3 | 0.0053 |
| Score | 12.6907 | 3 | 0.0054 |
| Wald | 12.7005 | 3 | 0.0053 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08787 | 0.08123 | 1.1702 | 0.2794 | 0.916 |
| M_cont | 1 | -0.09233 | 0.03749 | 6.0663 | 0.0138 | 0.912 |
| C | 1 | -0.07338 | 0.04197 | 3.0563 | 0.0804 | 0.929 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065984205 | -.0002458828 | -.0000996413 |
| M_cont | -.0002458828 | 0.0014053174 | -.0002544229 |
| C | -.0000996413 | -.0002544229 | 0.0017618317 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02952 | -0.21769 | 0.14350 | 0.21809 |
| 2 | 1.02952 | 0.00288 | -0.00180 | -0.00100 |
| 3 | 1.02952 | -0.00180 | 0.00431 | -0.00009 |
| 4 | 1.02952 | -0.00100 | -0.00009 | 0.00100 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA17 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 885 | 651 | 234 | 26.44 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8158.130 | 8141.320 |
| AIC | 8158.130 | 8147.320 |
| SBC | 8158.130 | 8160.755 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.8105 | 3 | 0.0008 |
| Score | 16.8472 | 3 | 0.0008 |
| Wald | 16.8107 | 3 | 0.0008 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.22535 | 0.08134 | 7.6750 | 0.0056 | 0.798 |
| M_cont | 1 | -0.06826 | 0.03675 | 3.4505 | 0.0632 | 0.934 |
| C | 1 | -0.08611 | 0.04074 | 4.4666 | 0.0346 | 0.917 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066163949 | -.0002152646 | 0.0001479597 |
| M_cont | -.0002152646 | 0.0013503827 | -.0001543113 |
| C | 0.0001479597 | -.0001543113 | 0.0016600104 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00904 | -0.031521 | 0.057872 | 0.12041 |
| 2 | 1.00904 | 0.002750 | -0.001719 | -0.00101 |
| 3 | 1.00904 | -0.001719 | 0.004225 | 0.00001 |
| 4 | 1.00904 | -0.001015 | 0.000007 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA18 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 882 | 644 | 238 | 26.98 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8073.597 | 8060.586 |
| AIC | 8073.597 | 8066.586 |
| SBC | 8073.597 | 8079.989 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.0111 | 3 | 0.0046 |
| Score | 12.9777 | 3 | 0.0047 |
| Wald | 12.9891 | 3 | 0.0047 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.11114 | 0.08037 | 1.9122 | 0.1667 | 0.895 |
| M_cont | 1 | -0.11685 | 0.03657 | 10.2085 | 0.0014 | 0.890 |
| C | 1 | 0.00486 | 0.03956 | 0.0151 | 0.9022 | 1.005 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064598951 | -.0002329447 | 0.0001600623 |
| M_cont | -.0002329447 | 0.0013375814 | -.0002164600 |
| C | 0.0001600623 | -.0002164600 | 0.0015652647 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03881 | -0.073371 | 0.057631 | 0.14522 |
| 2 | 1.03881 | 0.003027 | -0.001922 | -0.00104 |
| 3 | 1.03881 | -0.001922 | 0.004388 | 0.00001 |
| 4 | 1.03881 | -0.001044 | 0.000008 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA19 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 886 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 886 | 644 | 242 | 27.31 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8083.969 | 8077.248 |
| AIC | 8083.969 | 8083.248 |
| SBC | 8083.969 | 8096.651 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 6.7205 | 3 | 0.0814 |
| Score | 6.6578 | 3 | 0.0836 |
| Wald | 6.6392 | 3 | 0.0843 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.20305 | 0.08205 | 6.1234 | 0.0133 | 0.816 |
| M_cont | 1 | 0.01927 | 0.03692 | 0.2724 | 0.6017 | 1.019 |
| C | 1 | -0.03511 | 0.04339 | 0.6549 | 0.4184 | 0.965 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067327493 | -.0003959513 | 0.0001471673 |
| M_cont | -.0003959513 | 0.0013627964 | -.0001841191 |
| C | 0.0001471673 | -.0001841191 | 0.0018827739 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02288 | -0.22746 | 0.24518 | 0.15712 |
| 2 | 1.02288 | 0.00312 | -0.00188 | -0.00120 |
| 3 | 1.02288 | -0.00188 | 0.00431 | 0.00008 |
| 4 | 1.02288 | -0.00120 | 0.00008 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA110 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 883 | 638 | 245 | 27.75 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8010.474 | 8006.176 |
| AIC | 8010.474 | 8012.176 |
| SBC | 8010.474 | 8025.551 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 4.2977 | 3 | 0.2311 |
| Score | 4.3087 | 3 | 0.2300 |
| Wald | 4.3103 | 3 | 0.2299 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.04121 | 0.08008 | 0.2648 | 0.6068 | 0.960 |
| M_cont | 1 | -0.06410 | 0.03684 | 3.0271 | 0.0819 | 0.938 |
| C | 1 | -0.03331 | 0.04133 | 0.6496 | 0.4203 | 0.967 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064132153 | -.0002850207 | 0.0000445698 |
| M_cont | -.0002850207 | 0.0013573575 | -.0000870830 |
| C | 0.0000445698 | -.0000870830 | 0.0017083633 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03355 | -0.12891 | 0.21870 | 0.10174 |
| 2 | 1.03355 | 0.00299 | -0.00185 | -0.00107 |
| 3 | 1.03355 | -0.00185 | 0.00434 | -0.00005 |
| 4 | 1.03355 | -0.00107 | -0.00005 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA111 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 881 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 881 | 642 | 239 | 27.13 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8049.294 | 8041.262 |
| AIC | 8049.294 | 8047.262 |
| SBC | 8049.294 | 8060.655 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.0326 | 3 | 0.0453 |
| Score | 7.9497 | 3 | 0.0471 |
| Wald | 7.9511 | 3 | 0.0470 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.07907 | 0.08058 | 0.9629 | 0.3264 | 0.924 |
| M_cont | 1 | -0.04852 | 0.03670 | 1.7472 | 0.1862 | 0.953 |
| C | 1 | -0.08581 | 0.04375 | 3.8480 | 0.0498 | 0.918 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064932219 | -.0003559762 | 0.0000236945 |
| M_cont | -.0003559762 | 0.0013472472 | -.0002514175 |
| C | 0.0000236945 | -.0002514175 | 0.0019137013 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04170 | -0.19943 | 0.17615 | 0.17889 |
| 2 | 1.04170 | 0.00297 | -0.00185 | -0.00106 |
| 3 | 1.04170 | -0.00185 | 0.00443 | -0.00006 |
| 4 | 1.04170 | -0.00106 | -0.00006 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA112 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 880 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 880 | 633 | 247 | 28.07 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7947.426 | 7931.415 |
| AIC | 7947.426 | 7937.415 |
| SBC | 7947.426 | 7950.766 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.0110 | 3 | 0.0011 |
| Score | 16.0314 | 3 | 0.0011 |
| Wald | 16.0322 | 3 | 0.0011 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.15886 | 0.08310 | 3.6549 | 0.0559 | 0.853 |
| M_cont | 1 | -0.06176 | 0.03819 | 2.6148 | 0.1059 | 0.940 |
| C | 1 | -0.11600 | 0.04088 | 8.0516 | 0.0045 | 0.890 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069049226 | -.0005669858 | 0.0002155521 |
| M_cont | -.0005669858 | 0.0014588517 | -.0001476308 |
| C | 0.0002155521 | -.0001476308 | 0.0016712698 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00955 | -0.18823 | 0.21753 | 0.14193 |
| 2 | 1.00955 | 0.00275 | -0.00172 | -0.00096 |
| 3 | 1.00955 | -0.00172 | 0.00419 | -0.00003 |
| 4 | 1.00955 | -0.00096 | -0.00003 | 0.00093 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA113 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 885 | 658 | 227 | 25.65 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8234.457 | 8212.578 |
| AIC | 8234.457 | 8218.578 |
| SBC | 8234.457 | 8232.046 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 21.8786 | 3 | <.0001 |
| Score | 21.8608 | 3 | <.0001 |
| Wald | 21.7784 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.22265 | 0.08189 | 7.3925 | 0.0065 | 0.800 |
| M_cont | 1 | -0.04831 | 0.03455 | 1.9554 | 0.1620 | 0.953 |
| C | 1 | -0.12750 | 0.04105 | 9.6447 | 0.0019 | 0.880 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067057157 | -.0004446981 | -.0000265583 |
| M_cont | -.0004446981 | 0.0011933811 | -.0001274171 |
| C | -.0000265583 | -.0001274171 | 0.0016854551 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.10127 | -0.12034 | 0.22953 | 0.13834 |
| 2 | 1.10127 | 0.00331 | -0.00201 | -0.00120 |
| 3 | 1.10127 | -0.00201 | 0.00502 | -0.00005 |
| 4 | 1.10127 | -0.00120 | -0.00005 | 0.00115 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA114 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 875 | 649 | 226 | 25.83 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8109.571 | 8091.769 |
| AIC | 8109.571 | 8097.769 |
| SBC | 8109.571 | 8111.195 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 17.8016 | 3 | 0.0005 |
| Score | 17.8038 | 3 | 0.0005 |
| Wald | 17.7636 | 3 | 0.0005 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.22144 | 0.08050 | 7.5671 | 0.0059 | 0.801 |
| M_cont | 1 | -0.05504 | 0.03635 | 2.2927 | 0.1300 | 0.946 |
| C | 1 | -0.09878 | 0.04039 | 5.9818 | 0.0145 | 0.906 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064801100 | -.0003761754 | 0.0000765849 |
| M_cont | -.0003761754 | 0.0013215068 | -.0001470979 |
| C | 0.0000765849 | -.0001470979 | 0.0016311060 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02123 | -0.18489 | 0.25092 | 0.15864 |
| 2 | 1.02123 | 0.00295 | -0.00191 | -0.00102 |
| 3 | 1.02123 | -0.00191 | 0.00422 | 0.00003 |
| 4 | 1.02123 | -0.00102 | 0.00003 | 0.00096 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA115 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 887 | 647 | 240 | 27.06 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8119.661 | 8111.833 |
| AIC | 8119.661 | 8117.833 |
| SBC | 8119.661 | 8131.250 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.8277 | 3 | 0.0497 |
| Score | 7.7765 | 3 | 0.0509 |
| Wald | 7.7603 | 3 | 0.0512 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.17890 | 0.08117 | 4.8581 | 0.0275 | 0.836 |
| M_cont | 1 | -0.04740 | 0.03491 | 1.8432 | 0.1746 | 0.954 |
| C | 1 | -0.01954 | 0.04138 | 0.2229 | 0.6368 | 0.981 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065882026 | -.0002608233 | 0.0000097504 |
| M_cont | -.0002608233 | 0.0012189776 | -.0001811245 |
| C | 0.0000097504 | -.0001811245 | 0.0017121792 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05711 | -0.27103 | 0.20968 | 0.18663 |
| 2 | 1.05711 | 0.00310 | -0.00192 | -0.00113 |
| 3 | 1.05711 | -0.00192 | 0.00460 | 0.00001 |
| 4 | 1.05711 | -0.00113 | 0.00001 | 0.00108 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA116 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 881 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 881 | 650 | 231 | 26.22 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8136.381 | 8122.569 |
| AIC | 8136.381 | 8128.569 |
| SBC | 8136.381 | 8142.000 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.8116 | 3 | 0.0032 |
| Score | 13.7174 | 3 | 0.0033 |
| Wald | 13.7237 | 3 | 0.0033 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.12944 | 0.07996 | 2.6205 | 0.1055 | 0.879 |
| M_cont | 1 | -0.10100 | 0.03574 | 7.9858 | 0.0047 | 0.904 |
| C | 1 | -0.04795 | 0.04191 | 1.3093 | 0.2525 | 0.953 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063934769 | -.0001998672 | 0.0002166993 |
| M_cont | -.0001998672 | 0.0012773135 | -.0002561105 |
| C | 0.0002166993 | -.0002561105 | 0.0017561717 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07733 | -0.15162 | 0.10072 | 0.21934 |
| 2 | 1.07733 | 0.00329 | -0.00214 | -0.00118 |
| 3 | 1.07733 | -0.00214 | 0.00473 | 0.00009 |
| 4 | 1.07733 | -0.00118 | 0.00009 | 0.00112 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA117 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 889 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 889 | 653 | 236 | 26.55 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8190.463 | 8177.928 |
| AIC | 8190.463 | 8183.928 |
| SBC | 8190.463 | 8197.372 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.5355 | 3 | 0.0058 |
| Score | 12.5940 | 3 | 0.0056 |
| Wald | 12.5595 | 3 | 0.0057 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.18579 | 0.08087 | 5.2782 | 0.0216 | 0.830 |
| M_cont | 1 | -0.07777 | 0.03836 | 4.1088 | 0.0427 | 0.925 |
| C | 1 | -0.05047 | 0.04109 | 1.5087 | 0.2193 | 0.951 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065395127 | -.0004242480 | 0.0001588315 |
| M_cont | -.0004242480 | 0.0014718525 | -.0001282608 |
| C | 0.0001588315 | -.0001282608 | 0.0016882681 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99473 | -0.11677 | 0.13164 | 0.11384 |
| 2 | 0.99473 | 0.00270 | -0.00170 | -0.00096 |
| 3 | 0.99473 | -0.00170 | 0.00405 | -0.00003 |
| 4 | 0.99473 | -0.00096 | -0.00003 | 0.00094 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA118 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 891 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 891 | 658 | 233 | 26.15 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8250.485 | 8232.552 |
| AIC | 8250.485 | 8238.552 |
| SBC | 8250.485 | 8252.019 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 17.9330 | 3 | 0.0005 |
| Score | 17.9140 | 3 | 0.0005 |
| Wald | 17.9273 | 3 | 0.0005 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.05180 | 0.08010 | 0.4182 | 0.5178 | 0.950 |
| M_cont | 1 | -0.12177 | 0.03592 | 11.4898 | 0.0007 | 0.885 |
| C | 1 | -0.07490 | 0.04136 | 3.2789 | 0.0702 | 0.928 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064158952 | -.0003785240 | 0.0001451041 |
| M_cont | -.0003785240 | 0.0012905820 | -.0002099443 |
| C | 0.0001451041 | -.0002099443 | 0.0017107290 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03048 | -0.20649 | 0.25206 | 0.19259 |
| 2 | 1.03048 | 0.00298 | -0.00180 | -0.00109 |
| 3 | 1.03048 | -0.00180 | 0.00438 | -0.00000 |
| 4 | 1.03048 | -0.00109 | -0.00000 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA119 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 873 | 634 | 239 | 27.38 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7940.569 | 7925.145 |
| AIC | 7940.569 | 7931.145 |
| SBC | 7940.569 | 7944.501 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 15.4248 | 3 | 0.0015 |
| Score | 15.4310 | 3 | 0.0015 |
| Wald | 15.4146 | 3 | 0.0015 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14918 | 0.08143 | 3.3563 | 0.0669 | 0.861 |
| M_cont | 1 | -0.07389 | 0.03638 | 4.1246 | 0.0423 | 0.929 |
| C | 1 | -0.09673 | 0.04101 | 5.5643 | 0.0183 | 0.908 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066303525 | -.0003151886 | -.0000824310 |
| M_cont | -.0003151886 | 0.0013235344 | -.0001518627 |
| C | -.0000824310 | -.0001518627 | 0.0016816466 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04278 | -0.12441 | 0.11428 | 0.18725 |
| 2 | 1.04278 | 0.00292 | -0.00190 | -0.00101 |
| 3 | 1.04278 | -0.00190 | 0.00442 | -0.00005 |
| 4 | 1.04278 | -0.00101 | -0.00005 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA120 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 642 | 234 | 26.71 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8036.019 | 8025.250 |
| AIC | 8036.019 | 8031.250 |
| SBC | 8036.019 | 8044.644 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.7685 | 3 | 0.0130 |
| Score | 10.7795 | 3 | 0.0130 |
| Wald | 10.7836 | 3 | 0.0130 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | 0.00866 | 0.07981 | 0.0118 | 0.9136 | 1.009 |
| M_cont | 1 | -0.03316 | 0.03692 | 0.8069 | 0.3690 | 0.967 |
| C | 1 | -0.12669 | 0.04115 | 9.4789 | 0.0021 | 0.881 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063700333 | -.0000756126 | 0.0000551973 |
| M_cont | -.0000756126 | 0.0013628765 | -.0001149423 |
| C | 0.0000551973 | -.0001149423 | 0.0016932281 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03861 | -0.058821 | 0.063534 | 0.13846 |
| 2 | 1.03861 | 0.002961 | -0.001962 | -0.00102 |
| 3 | 1.03861 | -0.001962 | 0.004389 | 0.00005 |
| 4 | 1.03861 | -0.001018 | 0.000048 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA121 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 628 | 242 | 27.82 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7867.060 | 7855.635 |
| AIC | 7867.060 | 7861.635 |
| SBC | 7867.060 | 7874.963 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 11.4247 | 3 | 0.0096 |
| Score | 11.4469 | 3 | 0.0095 |
| Wald | 11.4496 | 3 | 0.0095 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08299 | 0.08227 | 1.0174 | 0.3131 | 0.920 |
| M_cont | 1 | -0.03246 | 0.03795 | 0.7315 | 0.3924 | 0.968 |
| C | 1 | -0.12624 | 0.04193 | 9.0648 | 0.0026 | 0.881 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067688924 | -.0003829539 | 0.0004047180 |
| M_cont | -.0003829539 | 0.0014400657 | -.0002364748 |
| C | 0.0004047180 | -.0002364748 | 0.0017581854 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99711 | -0.20085 | 0.24119 | 0.17509 |
| 2 | 0.99711 | 0.00277 | -0.00181 | -0.00102 |
| 3 | 0.99711 | -0.00181 | 0.00408 | 0.00008 |
| 4 | 0.99711 | -0.00102 | 0.00008 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA122 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 880 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 880 | 638 | 242 | 27.50 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8002.539 | 7997.018 |
| AIC | 8002.539 | 8003.018 |
| SBC | 8002.539 | 8016.393 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 5.5218 | 3 | 0.1373 |
| Score | 5.5287 | 3 | 0.1369 |
| Wald | 5.5283 | 3 | 0.1370 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.03540 | 0.08150 | 0.1887 | 0.6640 | 0.965 |
| M_cont | 1 | -0.02998 | 0.03762 | 0.6351 | 0.4255 | 0.970 |
| C | 1 | -0.07963 | 0.04019 | 3.9255 | 0.0476 | 0.923 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066415357 | -.0005462308 | 0.0002068661 |
| M_cont | -.0005462308 | 0.0014153215 | -.0002614028 |
| C | 0.0002068661 | -.0002614028 | 0.0016153117 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02517 | -0.22793 | 0.26974 | 0.17261 |
| 2 | 1.02517 | 0.00282 | -0.00188 | -0.00096 |
| 3 | 1.02517 | -0.00188 | 0.00428 | 0.00003 |
| 4 | 1.02517 | -0.00096 | 0.00003 | 0.00095 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA123 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 895 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 895 | 673 | 222 | 24.80 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8424.272 | 8411.428 |
| AIC | 8424.272 | 8417.428 |
| SBC | 8424.272 | 8430.963 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.8443 | 3 | 0.0050 |
| Score | 12.8312 | 3 | 0.0050 |
| Wald | 12.8009 | 3 | 0.0051 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.19702 | 0.07935 | 6.1646 | 0.0130 | 0.821 |
| M_cont | 1 | -0.07543 | 0.03633 | 4.3101 | 0.0379 | 0.927 |
| C | 1 | -0.03271 | 0.04058 | 0.6494 | 0.4203 | 0.968 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062965915 | -.0003243195 | 0.0000119270 |
| M_cont | -.0003243195 | 0.0013200906 | -.0001291871 |
| C | 0.0000119270 | -.0001291871 | 0.0016470351 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04636 | -0.16941 | 0.11292 | 0.15418 |
| 2 | 1.04636 | 0.00307 | -0.00198 | -0.00109 |
| 3 | 1.04636 | -0.00198 | 0.00444 | 0.00002 |
| 4 | 1.04636 | -0.00109 | 0.00002 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA124 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 900 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 900 | 655 | 245 | 27.22 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8241.245 | 8234.326 |
| AIC | 8241.245 | 8240.326 |
| SBC | 8241.245 | 8253.779 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 6.9199 | 3 | 0.0745 |
| Score | 6.9267 | 3 | 0.0743 |
| Wald | 6.9308 | 3 | 0.0741 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.03937 | 0.07953 | 0.2451 | 0.6206 | 0.961 |
| M_cont | 1 | -0.07851 | 0.03603 | 4.7477 | 0.0293 | 0.924 |
| C | 1 | -0.04185 | 0.03950 | 1.1223 | 0.2894 | 0.959 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063246759 | -.0001547131 | 0.0001650296 |
| M_cont | -.0001547131 | 0.0012983809 | -.0001949276 |
| C | 0.0001650296 | -.0001949276 | 0.0015605991 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06672 | -0.13929 | 0.12914 | 0.15851 |
| 2 | 1.06672 | 0.00313 | -0.00195 | -0.00112 |
| 3 | 1.06672 | -0.00195 | 0.00469 | 0.00001 |
| 4 | 1.06672 | -0.00112 | 0.00001 | 0.00106 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA125 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 900 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 900 | 668 | 232 | 25.78 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8383.844 | 8378.221 |
| AIC | 8383.844 | 8384.221 |
| SBC | 8383.844 | 8397.734 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 5.6232 | 3 | 0.1315 |
| Score | 5.6521 | 3 | 0.1298 |
| Wald | 5.6503 | 3 | 0.1299 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.06120 | 0.07854 | 0.6071 | 0.4359 | 0.941 |
| M_cont | 1 | -0.05930 | 0.03465 | 2.9290 | 0.0870 | 0.942 |
| C | 1 | -0.05199 | 0.04293 | 1.4666 | 0.2259 | 0.949 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0061682440 | -.0002085939 | 0.0003019947 |
| M_cont | -.0002085939 | 0.0012004416 | -.0001911981 |
| C | 0.0003019947 | -.0001911981 | 0.0018428037 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07921 | -0.22037 | 0.17101 | 0.19997 |
| 2 | 1.07921 | 0.00362 | -0.00224 | -0.00134 |
| 3 | 1.07921 | -0.00224 | 0.00473 | 0.00013 |
| 4 | 1.07921 | -0.00134 | 0.00013 | 0.00117 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA126 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 868 | 626 | 242 | 27.88 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7839.944 | 7808.601 |
| AIC | 7839.944 | 7814.601 |
| SBC | 7839.944 | 7827.919 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 31.3433 | 3 | <.0001 |
| Score | 31.4277 | 3 | <.0001 |
| Wald | 31.4701 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.18516 | 0.08329 | 4.9414 | 0.0262 | 0.831 |
| M_cont | 1 | -0.18492 | 0.03833 | 23.2741 | <.0001 | 0.831 |
| C | 1 | -0.03564 | 0.03993 | 0.7966 | 0.3721 | 0.965 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069378266 | -.0001387125 | -.0000040500 |
| M_cont | -.0001387125 | 0.0014693149 | -.0001860268 |
| C | -.0000040500 | -.0001860268 | 0.0015944454 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01496 | -0.091850 | 0.033523 | 0.17246 |
| 2 | 1.01496 | 0.002617 | -0.001706 | -0.00092 |
| 3 | 1.01496 | -0.001706 | 0.004303 | -0.00000 |
| 4 | 1.01496 | -0.000925 | -0.000003 | 0.00094 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA127 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 642 | 228 | 26.21 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8020.143 | 8011.465 |
| AIC | 8020.143 | 8017.465 |
| SBC | 8020.143 | 8030.859 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.6779 | 3 | 0.0339 |
| Score | 8.7328 | 3 | 0.0331 |
| Wald | 8.7293 | 3 | 0.0331 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08177 | 0.08162 | 1.0036 | 0.3164 | 0.921 |
| M_cont | 1 | -0.06030 | 0.03824 | 2.4869 | 0.1148 | 0.941 |
| C | 1 | -0.08242 | 0.04043 | 4.1555 | 0.0415 | 0.921 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066619244 | -.0004478718 | 0.0000536710 |
| M_cont | -.0004478718 | 0.0014622072 | -.0001259878 |
| C | 0.0000536710 | -.0001259878 | 0.0016348458 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02080 | -0.19156 | 0.25707 | 0.16769 |
| 2 | 1.02080 | 0.00277 | -0.00178 | -0.00100 |
| 3 | 1.02080 | -0.00178 | 0.00432 | 0.00002 |
| 4 | 1.02080 | -0.00100 | 0.00002 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA128 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 854 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 854 | 623 | 231 | 27.05 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7771.114 | 7740.335 |
| AIC | 7771.114 | 7746.335 |
| SBC | 7771.114 | 7759.639 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 30.7792 | 3 | <.0001 |
| Score | 30.9391 | 3 | <.0001 |
| Wald | 30.9797 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.19941 | 0.08329 | 5.7319 | 0.0167 | 0.819 |
| M_cont | 1 | -0.12014 | 0.03572 | 11.3117 | 0.0008 | 0.887 |
| C | 1 | -0.13896 | 0.04075 | 11.6274 | 0.0006 | 0.870 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069371512 | -.0002274037 | 0.0003231846 |
| M_cont | -.0002274037 | 0.0012760345 | -.0001474682 |
| C | 0.0003231846 | -.0001474682 | 0.0016607596 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07243 | -0.14508 | 0.22172 | 0.17104 |
| 2 | 1.07243 | 0.00303 | -0.00201 | -0.00107 |
| 3 | 1.07243 | -0.00201 | 0.00478 | 0.00008 |
| 4 | 1.07243 | -0.00107 | 0.00008 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA129 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 894 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 894 | 652 | 242 | 27.07 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8192.890 | 8165.431 |
| AIC | 8192.890 | 8171.431 |
| SBC | 8192.890 | 8184.871 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 27.4592 | 3 | <.0001 |
| Score | 27.2842 | 3 | <.0001 |
| Wald | 27.3553 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.13791 | 0.08134 | 2.8749 | 0.0900 | 0.871 |
| M_cont | 1 | -0.14761 | 0.03567 | 17.1234 | <.0001 | 0.863 |
| C | 1 | -0.06406 | 0.03986 | 2.5821 | 0.1081 | 0.938 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066157532 | -.0003527301 | 0.0002920434 |
| M_cont | -.0003527301 | 0.0012723870 | -.0002750594 |
| C | 0.0002920434 | -.0002750594 | 0.0015891834 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07009 | -0.23409 | 0.21723 | 0.22579 |
| 2 | 1.07009 | 0.00312 | -0.00200 | -0.00110 |
| 3 | 1.07009 | -0.00200 | 0.00476 | 0.00007 |
| 4 | 1.07009 | -0.00110 | 0.00007 | 0.00102 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA130 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 621 | 255 | 29.11 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7804.704 | 7790.120 |
| AIC | 7804.704 | 7796.120 |
| SBC | 7804.704 | 7809.414 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 14.5843 | 3 | 0.0022 |
| Score | 14.6699 | 3 | 0.0021 |
| Wald | 14.6607 | 3 | 0.0021 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.02594 | 0.08186 | 0.1004 | 0.7514 | 0.974 |
| M_cont | 1 | -0.09844 | 0.03658 | 7.2426 | 0.0071 | 0.906 |
| C | 1 | -0.09910 | 0.04307 | 5.2936 | 0.0214 | 0.906 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067007170 | -.0004172841 | -.0001069918 |
| M_cont | -.0004172841 | 0.0013379177 | -.0001654611 |
| C | -.0001069918 | -.0001654611 | 0.0018551113 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05189 | -0.16558 | 0.24125 | 0.16100 |
| 2 | 1.05189 | 0.00298 | -0.00186 | -0.00104 |
| 3 | 1.05189 | -0.00186 | 0.00451 | -0.00011 |
| 4 | 1.05189 | -0.00104 | -0.00011 | 0.00106 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA131 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 882 | 644 | 238 | 26.98 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8073.524 | 8037.901 |
| AIC | 8073.524 | 8043.901 |
| SBC | 8073.524 | 8057.304 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 35.6232 | 3 | <.0001 |
| Score | 35.3927 | 3 | <.0001 |
| Wald | 35.4021 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.13662 | 0.08149 | 2.8108 | 0.0936 | 0.872 |
| M_cont | 1 | -0.09334 | 0.03794 | 6.0535 | 0.0139 | 0.911 |
| C | 1 | -0.19741 | 0.04107 | 23.1035 | <.0001 | 0.821 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066409317 | -.0005227621 | 0.0001899776 |
| M_cont | -.0005227621 | 0.0014392005 | -.0001501979 |
| C | 0.0001899776 | -.0001501979 | 0.0016868386 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00913 | -0.17667 | 0.28259 | 0.16295 |
| 2 | 1.00913 | 0.00294 | -0.00178 | -0.00109 |
| 3 | 1.00913 | -0.00178 | 0.00417 | 0.00001 |
| 4 | 1.00913 | -0.00109 | 0.00001 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA132 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 871 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 871 | 660 | 211 | 24.23 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8217.164 | 8214.312 |
| AIC | 8217.164 | 8220.312 |
| SBC | 8217.164 | 8233.788 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 2.8520 | 3 | 0.4150 |
| Score | 2.8506 | 3 | 0.4152 |
| Wald | 2.8467 | 3 | 0.4159 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.06480 | 0.07973 | 0.6605 | 0.4164 | 0.937 |
| M_cont | 1 | -0.04698 | 0.03554 | 1.7476 | 0.1862 | 0.954 |
| C | 1 | -0.01136 | 0.04099 | 0.0768 | 0.7817 | 0.989 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063567688 | -.0003112705 | 0.0002503144 |
| M_cont | -.0003112705 | 0.0012630714 | -.0002087795 |
| C | 0.0002503144 | -.0002087795 | 0.0016799452 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06206 | -0.18130 | 0.19398 | 0.17498 |
| 2 | 1.06206 | 0.00304 | -0.00205 | -0.00105 |
| 3 | 1.06206 | -0.00205 | 0.00463 | 0.00009 |
| 4 | 1.06206 | -0.00105 | 0.00009 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA133 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 882 | 651 | 231 | 26.19 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8150.171 | 8141.253 |
| AIC | 8150.171 | 8147.253 |
| SBC | 8150.171 | 8160.688 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.9187 | 3 | 0.0304 |
| Score | 8.9080 | 3 | 0.0305 |
| Wald | 8.9101 | 3 | 0.0305 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.04061 | 0.08014 | 0.2568 | 0.6123 | 0.960 |
| M_cont | 1 | -0.04690 | 0.03681 | 1.6238 | 0.2026 | 0.954 |
| C | 1 | -0.10124 | 0.04221 | 5.7529 | 0.0165 | 0.904 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064225189 | -.0003900968 | 0.0001512254 |
| M_cont | -.0003900968 | 0.0013546292 | -.0002409475 |
| C | 0.0001512254 | -.0002409475 | 0.0017815151 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03825 | -0.18603 | 0.27554 | 0.15490 |
| 2 | 1.03825 | 0.00296 | -0.00189 | -0.00105 |
| 3 | 1.03825 | -0.00189 | 0.00439 | -0.00001 |
| 4 | 1.03825 | -0.00105 | -0.00001 | 0.00103 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA134 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 868 | 625 | 243 | 28.00 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7829.024 | 7813.629 |
| AIC | 7829.024 | 7819.629 |
| SBC | 7829.024 | 7832.942 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 15.3953 | 3 | 0.0015 |
| Score | 15.2467 | 3 | 0.0016 |
| Wald | 15.2427 | 3 | 0.0016 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.19278 | 0.08352 | 5.3274 | 0.0210 | 0.825 |
| M_cont | 1 | -0.08376 | 0.03709 | 5.1009 | 0.0239 | 0.920 |
| C | 1 | -0.07365 | 0.04422 | 2.7735 | 0.0958 | 0.929 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069763072 | -.0003502314 | 0.0003266851 |
| M_cont | -.0003502314 | 0.0013753580 | -.0002589666 |
| C | 0.0003266851 | -.0002589666 | 0.0019557368 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05032 | -0.21446 | 0.20382 | 0.20130 |
| 2 | 1.05032 | 0.00311 | -0.00196 | -0.00119 |
| 3 | 1.05032 | -0.00196 | 0.00461 | 0.00012 |
| 4 | 1.05032 | -0.00119 | 0.00012 | 0.00111 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA135 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 878 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 878 | 634 | 244 | 27.79 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7953.440 | 7941.601 |
| AIC | 7953.440 | 7947.601 |
| SBC | 7953.440 | 7960.957 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 11.8391 | 3 | 0.0080 |
| Score | 11.9662 | 3 | 0.0075 |
| Wald | 11.9714 | 3 | 0.0075 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.05090 | 0.08124 | 0.3926 | 0.5309 | 0.950 |
| M_cont | 1 | -0.05390 | 0.03718 | 2.1018 | 0.1471 | 0.948 |
| C | 1 | -0.11607 | 0.04062 | 8.1659 | 0.0043 | 0.890 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065993814 | -.0004086527 | 0.0000462757 |
| M_cont | -.0004086527 | 0.0013822605 | -.0001610843 |
| C | 0.0000462757 | -.0001610843 | 0.0016498910 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03238 | -0.26975 | 0.24106 | 0.18289 |
| 2 | 1.03238 | 0.00292 | -0.00198 | -0.00098 |
| 3 | 1.03238 | -0.00198 | 0.00434 | 0.00008 |
| 4 | 1.03238 | -0.00098 | 0.00008 | 0.00094 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA136 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 875 | 627 | 248 | 28.34 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7868.629 | 7865.802 |
| AIC | 7868.629 | 7871.802 |
| SBC | 7868.629 | 7885.125 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 2.8273 | 3 | 0.4190 |
| Score | 2.8228 | 3 | 0.4198 |
| Wald | 2.8221 | 3 | 0.4199 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.06650 | 0.08193 | 0.6588 | 0.4170 | 0.936 |
| M_cont | 1 | -0.04981 | 0.03518 | 2.0046 | 0.1568 | 0.951 |
| C | 1 | -0.00165 | 0.04120 | 0.0016 | 0.9680 | 0.998 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067117590 | -.0001547604 | 0.0000906735 |
| M_cont | -.0001547604 | 0.0012377924 | -.0001466207 |
| C | 0.0000906735 | -.0001466207 | 0.0016977671 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08844 | -0.095399 | 0.052476 | 0.13359 |
| 2 | 1.08844 | 0.003144 | -0.001959 | -0.00113 |
| 3 | 1.08844 | -0.001959 | 0.004914 | -0.00004 |
| 4 | 1.08844 | -0.001126 | -0.000035 | 0.00110 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA137 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 883 | 645 | 238 | 26.95 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8087.047 | 8075.839 |
| AIC | 8087.047 | 8081.839 |
| SBC | 8087.047 | 8095.246 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 11.2088 | 3 | 0.0106 |
| Score | 11.2313 | 3 | 0.0105 |
| Wald | 11.2271 | 3 | 0.0106 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14049 | 0.08183 | 2.9475 | 0.0860 | 0.869 |
| M_cont | 1 | -0.05145 | 0.03635 | 2.0035 | 0.1569 | 0.950 |
| C | 1 | -0.08512 | 0.03961 | 4.6193 | 0.0316 | 0.918 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066962819 | -.0003528396 | -.0000397678 |
| M_cont | -.0003528396 | 0.0013211096 | -.0001600754 |
| C | -.0000397678 | -.0001600754 | 0.0015686968 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02235 | -0.10758 | 0.10175 | 0.16847 |
| 2 | 1.02235 | 0.00279 | -0.00176 | -0.00098 |
| 3 | 1.02235 | -0.00176 | 0.00435 | 0.00001 |
| 4 | 1.02235 | -0.00098 | 0.00001 | 0.00093 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA138 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 658 | 212 | 24.37 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8192.888 | 8171.701 |
| AIC | 8192.888 | 8177.701 |
| SBC | 8192.888 | 8191.169 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 21.1861 | 3 | <.0001 |
| Score | 21.1579 | 3 | <.0001 |
| Wald | 21.1801 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | 0.01499 | 0.07970 | 0.0354 | 0.8508 | 1.015 |
| M_cont | 1 | -0.09856 | 0.03634 | 7.3571 | 0.0067 | 0.906 |
| C | 1 | -0.14159 | 0.03993 | 12.5717 | 0.0004 | 0.868 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063528483 | -.0002393880 | 0.0001912197 |
| M_cont | -.0002393880 | 0.0013203230 | -.0000865437 |
| C | 0.0001912197 | -.0000865437 | 0.0015945623 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02259 | -0.14269 | 0.14688 | 0.13650 |
| 2 | 1.02259 | 0.00291 | -0.00186 | -0.00107 |
| 3 | 1.02259 | -0.00186 | 0.00434 | 0.00009 |
| 4 | 1.02259 | -0.00107 | 0.00009 | 0.00100 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA139 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 883 | 643 | 240 | 27.18 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8065.264 | 8048.569 |
| AIC | 8065.264 | 8054.569 |
| SBC | 8065.264 | 8067.968 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.6949 | 3 | 0.0008 |
| Score | 16.6006 | 3 | 0.0009 |
| Wald | 16.5846 | 3 | 0.0009 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.20037 | 0.08190 | 5.9861 | 0.0144 | 0.818 |
| M_cont | 1 | -0.09390 | 0.03620 | 6.7286 | 0.0095 | 0.910 |
| C | 1 | -0.05596 | 0.04006 | 1.9519 | 0.1624 | 0.946 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067069084 | -.0001670091 | -.0001665801 |
| M_cont | -.0001670091 | 0.0013104471 | -.0001196910 |
| C | -.0001665801 | -.0001196910 | 0.0016045844 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03671 | -0.16695 | 0.13247 | 0.12174 |
| 2 | 1.03671 | 0.00283 | -0.00170 | -0.00104 |
| 3 | 1.03671 | -0.00170 | 0.00448 | -0.00010 |
| 4 | 1.03671 | -0.00104 | -0.00010 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA140 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 856 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 856 | 592 | 264 | 30.84 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7434.047 | 7421.543 |
| AIC | 7434.047 | 7427.543 |
| SBC | 7434.047 | 7440.693 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.5047 | 3 | 0.0058 |
| Score | 12.4547 | 3 | 0.0060 |
| Wald | 12.4522 | 3 | 0.0060 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14458 | 0.08406 | 2.9586 | 0.0854 | 0.865 |
| M_cont | 1 | -0.07153 | 0.03687 | 3.7641 | 0.0524 | 0.931 |
| C | 1 | -0.08169 | 0.04245 | 3.7030 | 0.0543 | 0.922 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0070656422 | -.0002701281 | 0.0000658998 |
| M_cont | -.0002701281 | 0.0013592275 | -.0002512171 |
| C | 0.0000658998 | -.0002512171 | 0.0018019409 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06500 | -0.23818 | 0.18551 | 0.18577 |
| 2 | 1.06500 | 0.00301 | -0.00196 | -0.00102 |
| 3 | 1.06500 | -0.00196 | 0.00462 | -0.00004 |
| 4 | 1.06500 | -0.00102 | -0.00004 | 0.00104 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA141 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 893 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 893 | 644 | 249 | 27.88 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8101.937 | 8097.634 |
| AIC | 8101.937 | 8103.634 |
| SBC | 8101.937 | 8117.037 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 4.3023 | 3 | 0.2306 |
| Score | 4.3226 | 3 | 0.2287 |
| Wald | 4.3233 | 3 | 0.2286 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.02179 | 0.08043 | 0.0734 | 0.7865 | 0.978 |
| M_cont | 1 | -0.07287 | 0.03624 | 4.0434 | 0.0443 | 0.930 |
| C | 1 | 0.00641 | 0.04371 | 0.0215 | 0.8835 | 1.006 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064696108 | -.0003540857 | 0.0001733539 |
| M_cont | -.0003540857 | 0.0013132499 | -.0002092231 |
| C | 0.0001733539 | -.0002092231 | 0.0019107956 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02944 | -0.16965 | 0.21226 | 0.20617 |
| 2 | 1.02944 | 0.00319 | -0.00193 | -0.00122 |
| 3 | 1.02944 | -0.00193 | 0.00431 | 0.00005 |
| 4 | 1.02944 | -0.00122 | 0.00005 | 0.00114 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA142 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 878 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 878 | 670 | 208 | 23.69 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8344.186 | 8337.892 |
| AIC | 8344.186 | 8343.892 |
| SBC | 8344.186 | 8357.413 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 6.2946 | 3 | 0.0981 |
| Score | 6.3395 | 3 | 0.0962 |
| Wald | 6.3375 | 3 | 0.0963 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.07968 | 0.07896 | 1.0184 | 0.3129 | 0.923 |
| M_cont | 1 | -0.03276 | 0.03544 | 0.8544 | 0.3553 | 0.968 |
| C | 1 | -0.07506 | 0.04038 | 3.4542 | 0.0631 | 0.928 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062342811 | -.0003610418 | 0.0001686735 |
| M_cont | -.0003610418 | 0.0012562351 | -.0002785851 |
| C | 0.0001686735 | -.0002785851 | 0.0016308495 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06199 | -0.18878 | 0.13026 | 0.19282 |
| 2 | 1.06199 | 0.00313 | -0.00208 | -0.00107 |
| 3 | 1.06199 | -0.00208 | 0.00458 | 0.00006 |
| 4 | 1.06199 | -0.00107 | 0.00006 | 0.00103 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA143 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 889 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 889 | 666 | 223 | 25.08 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8331.944 | 8320.064 |
| AIC | 8331.944 | 8326.064 |
| SBC | 8331.944 | 8339.568 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 11.8799 | 3 | 0.0078 |
| Score | 11.7482 | 3 | 0.0083 |
| Wald | 11.6956 | 3 | 0.0085 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.24799 | 0.08169 | 9.2162 | 0.0024 | 0.780 |
| M_cont | 1 | -0.03239 | 0.03499 | 0.8567 | 0.3547 | 0.968 |
| C | 1 | -0.03820 | 0.04071 | 0.8807 | 0.3480 | 0.963 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066731803 | -.0003386449 | 0.0001879026 |
| M_cont | -.0003386449 | 0.0012243513 | -.0001452785 |
| C | 0.0001879026 | -.0001452785 | 0.0016570131 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05093 | -0.16940 | 0.23954 | 0.15122 |
| 2 | 1.05093 | 0.00298 | -0.00174 | -0.00113 |
| 3 | 1.05093 | -0.00174 | 0.00465 | -0.00006 |
| 4 | 1.05093 | -0.00113 | -0.00006 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA144 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 877 | 638 | 239 | 27.25 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7994.819 | 7984.288 |
| AIC | 7994.819 | 7990.288 |
| SBC | 7994.819 | 8003.663 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.5315 | 3 | 0.0145 |
| Score | 10.5262 | 3 | 0.0146 |
| Wald | 10.5255 | 3 | 0.0146 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14479 | 0.08179 | 3.1343 | 0.0767 | 0.865 |
| M_cont | 1 | -0.07275 | 0.03642 | 3.9898 | 0.0458 | 0.930 |
| C | 1 | -0.05780 | 0.04001 | 2.0868 | 0.1486 | 0.944 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066889170 | -.0003495184 | 0.0000918587 |
| M_cont | -.0003495184 | 0.0013266099 | -.0001146648 |
| C | 0.0000918587 | -.0001146648 | 0.0016009744 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02975 | -0.24395 | 0.20638 | 0.13948 |
| 2 | 1.02975 | 0.00275 | -0.00178 | -0.00095 |
| 3 | 1.02975 | -0.00178 | 0.00435 | -0.00006 |
| 4 | 1.02975 | -0.00095 | -0.00006 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA145 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 877 | 616 | 261 | 29.76 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7751.639 | 7727.482 |
| AIC | 7751.639 | 7733.482 |
| SBC | 7751.639 | 7746.752 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 24.1571 | 3 | <.0001 |
| Score | 24.0634 | 3 | <.0001 |
| Wald | 24.0513 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.12391 | 0.08266 | 2.2472 | 0.1339 | 0.883 |
| M_cont | 1 | -0.17184 | 0.03857 | 19.8445 | <.0001 | 0.842 |
| C | 1 | 0.00675 | 0.04313 | 0.0245 | 0.8756 | 1.007 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068324456 | -.0002999361 | 0.0000650995 |
| M_cont | -.0002999361 | 0.0014880256 | -.0003166738 |
| C | 0.0000650995 | -.0003166738 | 0.0018606089 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03482 | -0.21721 | 0.10616 | 0.24906 |
| 2 | 1.03482 | 0.00321 | -0.00202 | -0.00117 |
| 3 | 1.03482 | -0.00202 | 0.00434 | 0.00008 |
| 4 | 1.03482 | -0.00117 | 0.00008 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA146 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 878 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 878 | 649 | 229 | 26.08 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8117.527 | 8115.077 |
| AIC | 8117.527 | 8121.077 |
| SBC | 8117.527 | 8134.504 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 2.4499 | 3 | 0.4844 |
| Score | 2.4530 | 3 | 0.4838 |
| Wald | 2.4632 | 3 | 0.4820 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.02226 | 0.07939 | 0.0786 | 0.7792 | 0.978 |
| M_cont | 1 | -0.03379 | 0.03613 | 0.8748 | 0.3496 | 0.967 |
| C | 1 | -0.04877 | 0.04196 | 1.3510 | 0.2451 | 0.952 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063026783 | -.0000685980 | 0.0001333097 |
| M_cont | -.0000685980 | 0.0013051458 | -.0001109692 |
| C | 0.0001333097 | -.0001109692 | 0.0017606023 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03141 | -0.11417 | 0.034081 | 0.11927 |
| 2 | 1.03141 | 0.00300 | -0.001886 | -0.00107 |
| 3 | 1.03141 | -0.00189 | 0.004351 | 0.00003 |
| 4 | 1.03141 | -0.00107 | 0.000031 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA147 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 873 | 636 | 237 | 27.15 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7962.385 | 7949.203 |
| AIC | 7962.385 | 7955.203 |
| SBC | 7962.385 | 7968.569 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.1818 | 3 | 0.0043 |
| Score | 13.1037 | 3 | 0.0044 |
| Wald | 13.0880 | 3 | 0.0045 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.16626 | 0.08277 | 4.0346 | 0.0446 | 0.847 |
| M_cont | 1 | -0.07250 | 0.03633 | 3.9820 | 0.0460 | 0.930 |
| C | 1 | -0.06920 | 0.04091 | 2.8616 | 0.0907 | 0.933 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068516823 | -.0005484252 | 0.0001171218 |
| M_cont | -.0005484252 | 0.0013201668 | -.0001210196 |
| C | 0.0001171218 | -.0001210196 | 0.0016733300 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05501 | -0.20493 | 0.26250 | 0.13949 |
| 2 | 1.05501 | 0.00302 | -0.00193 | -0.00109 |
| 3 | 1.05501 | -0.00193 | 0.00460 | 0.00003 |
| 4 | 1.05501 | -0.00109 | 0.00003 | 0.00104 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA148 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 871 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 871 | 619 | 252 | 28.93 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7770.393 | 7758.329 |
| AIC | 7770.393 | 7764.329 |
| SBC | 7770.393 | 7777.614 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.0638 | 3 | 0.0072 |
| Score | 12.0185 | 3 | 0.0073 |
| Wald | 12.0174 | 3 | 0.0073 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.0008469 | 0.08215 | 0.0001 | 0.9918 | 0.999 |
| M_cont | 1 | -0.06158 | 0.03751 | 2.6951 | 0.1007 | 0.940 |
| C | 1 | -0.11605 | 0.04044 | 8.2346 | 0.0041 | 0.890 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067494103 | -.0004937303 | 0.0001512905 |
| M_cont | -.0004937303 | 0.0014068842 | -.0001505929 |
| C | 0.0001512905 | -.0001505929 | 0.0016355155 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03840 | -0.15433 | 0.20579 | 0.14710 |
| 2 | 1.03840 | 0.00297 | -0.00201 | -0.00101 |
| 3 | 1.03840 | -0.00201 | 0.00439 | 0.00009 |
| 4 | 1.03840 | -0.00101 | 0.00009 | 0.00097 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA149 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 637 | 239 | 27.28 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7981.213 | 7964.688 |
| AIC | 7981.213 | 7970.688 |
| SBC | 7981.213 | 7984.058 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.5255 | 3 | 0.0009 |
| Score | 16.4144 | 3 | 0.0009 |
| Wald | 16.3990 | 3 | 0.0009 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.18822 | 0.08124 | 5.3683 | 0.0205 | 0.828 |
| M_cont | 1 | -0.10893 | 0.03610 | 9.1049 | 0.0025 | 0.897 |
| C | 1 | -0.02246 | 0.04220 | 0.2833 | 0.5946 | 0.978 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065991881 | -.0002389565 | 0.0001640319 |
| M_cont | -.0002389565 | 0.0013032985 | -.0001934404 |
| C | 0.0001640319 | -.0001934404 | 0.0017807285 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05726 | -0.18510 | 0.16973 | 0.18577 |
| 2 | 1.05726 | 0.00310 | -0.00198 | -0.00115 |
| 3 | 1.05726 | -0.00198 | 0.00459 | 0.00005 |
| 4 | 1.05726 | -0.00115 | 0.00005 | 0.00113 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA150 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 888 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 888 | 651 | 237 | 26.69 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8166.058 | 8150.126 |
| AIC | 8166.058 | 8156.126 |
| SBC | 8166.058 | 8169.562 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 15.9321 | 3 | 0.0012 |
| Score | 15.9882 | 3 | 0.0011 |
| Wald | 15.9784 | 3 | 0.0011 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.18361 | 0.07974 | 5.3017 | 0.0213 | 0.832 |
| M_cont | 1 | -0.08841 | 0.03461 | 6.5253 | 0.0106 | 0.915 |
| C | 1 | -0.06216 | 0.03935 | 2.4949 | 0.1142 | 0.940 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063587211 | -.0002026856 | -.0000407389 |
| M_cont | -.0002026856 | 0.0011978997 | -.0000885167 |
| C | -.0000407389 | -.0000885167 | 0.0015485924 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.11188 | -0.040844 | 0.019545 | 0.11938 |
| 2 | 1.11188 | 0.003364 | -0.002170 | -0.00113 |
| 3 | 1.11188 | -0.002170 | 0.005023 | -0.00003 |
| 4 | 1.11188 | -0.001131 | -0.000029 | 0.00110 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA151 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 884 | 653 | 231 | 26.13 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8177.133 | 8176.629 |
| AIC | 8177.133 | 8182.629 |
| SBC | 8177.133 | 8196.073 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 0.5043 | 3 | 0.9180 |
| Score | 0.5050 | 3 | 0.9178 |
| Wald | 0.5072 | 3 | 0.9173 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.01955 | 0.08002 | 0.0597 | 0.8070 | 0.981 |
| M_cont | 1 | -0.00243 | 0.03674 | 0.0044 | 0.9473 | 0.998 |
| C | 1 | -0.02627 | 0.04032 | 0.4246 | 0.5147 | 0.974 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064038186 | -.0003122444 | 0.0000848067 |
| M_cont | -.0003122444 | 0.0013499655 | -.0001911253 |
| C | 0.0000848067 | -.0001911253 | 0.0016260992 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03061 | -0.13816 | 0.10355 | 0.15892 |
| 2 | 1.03061 | 0.00275 | -0.00179 | -0.00096 |
| 3 | 1.03061 | -0.00179 | 0.00438 | -0.00002 |
| 4 | 1.03061 | -0.00096 | -0.00002 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA152 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 885 | 662 | 223 | 25.20 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8277.666 | 8268.063 |
| AIC | 8277.666 | 8274.063 |
| SBC | 8277.666 | 8287.549 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 9.6028 | 3 | 0.0223 |
| Score | 9.5527 | 3 | 0.0228 |
| Wald | 9.5454 | 3 | 0.0229 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14316 | 0.07995 | 3.2061 | 0.0734 | 0.867 |
| M_cont | 1 | -0.06873 | 0.03611 | 3.6230 | 0.0570 | 0.934 |
| C | 1 | -0.05246 | 0.04061 | 1.6691 | 0.1964 | 0.949 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063923685 | -.0000683096 | -.0001018247 |
| M_cont | -.0000683096 | 0.0013036732 | -.0001769916 |
| C | -.0001018247 | -.0001769916 | 0.0016487699 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04802 | -0.17955 | 0.12709 | 0.18728 |
| 2 | 1.04802 | 0.00290 | -0.00190 | -0.00104 |
| 3 | 1.04802 | -0.00190 | 0.00452 | 0.00001 |
| 4 | 1.04802 | -0.00104 | 0.00001 | 0.00106 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA153 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 877 | 649 | 228 | 26.00 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8114.881 | 8083.703 |
| AIC | 8114.881 | 8089.703 |
| SBC | 8114.881 | 8103.129 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 31.1778 | 3 | <.0001 |
| Score | 31.3005 | 3 | <.0001 |
| Wald | 31.2232 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.25949 | 0.08127 | 10.1952 | 0.0014 | 0.771 |
| M_cont | 1 | -0.09805 | 0.03744 | 6.8584 | 0.0088 | 0.907 |
| C | 1 | -0.12864 | 0.04160 | 9.5635 | 0.0020 | 0.879 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066044882 | -.0002297530 | 0.0000214779 |
| M_cont | -.0002297530 | 0.0014017187 | -.0002495102 |
| C | 0.0000214779 | -.0002495102 | 0.0017303346 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02546 | -0.28076 | 0.23427 | 0.20916 |
| 2 | 1.02546 | 0.00290 | -0.00183 | -0.00108 |
| 3 | 1.02546 | -0.00183 | 0.00433 | 0.00003 |
| 4 | 1.02546 | -0.00108 | 0.00003 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA154 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 872 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 872 | 639 | 233 | 26.72 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7992.760 | 7974.666 |
| AIC | 7992.760 | 7980.666 |
| SBC | 7992.760 | 7994.046 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 18.0933 | 3 | 0.0004 |
| Score | 17.9736 | 3 | 0.0004 |
| Wald | 17.9634 | 3 | 0.0004 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.18506 | 0.08130 | 5.1812 | 0.0228 | 0.831 |
| M_cont | 1 | -0.10484 | 0.03808 | 7.5801 | 0.0059 | 0.900 |
| C | 1 | -0.07731 | 0.04129 | 3.5052 | 0.0612 | 0.926 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066100167 | -.0002372043 | 0.0000880221 |
| M_cont | -.0002372043 | 0.0014501775 | -.0001210546 |
| C | 0.0000880221 | -.0001210546 | 0.0017049920 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02473 | -0.16917 | 0.090488 | 0.15734 |
| 2 | 1.02473 | 0.00292 | -0.001911 | -0.00102 |
| 3 | 1.02473 | -0.00191 | 0.004283 | 0.00006 |
| 4 | 1.02473 | -0.00102 | 0.000059 | 0.00097 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA155 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 634 | 242 | 27.63 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7948.230 | 7935.214 |
| AIC | 7948.230 | 7941.214 |
| SBC | 7948.230 | 7954.570 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.0154 | 3 | 0.0046 |
| Score | 13.0245 | 3 | 0.0046 |
| Wald | 13.0324 | 3 | 0.0046 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08881 | 0.08273 | 1.1525 | 0.2830 | 0.915 |
| M_cont | 1 | -0.06900 | 0.03613 | 3.6467 | 0.0562 | 0.933 |
| C | 1 | -0.10627 | 0.04115 | 6.6684 | 0.0098 | 0.899 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068436948 | -.0003791198 | 0.0003296186 |
| M_cont | -.0003791198 | 0.0013055961 | -.0001968939 |
| C | 0.0003296186 | -.0001968939 | 0.0016935642 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07354 | -0.19817 | 0.22755 | 0.19114 |
| 2 | 1.07354 | 0.00319 | -0.00208 | -0.00121 |
| 3 | 1.07354 | -0.00208 | 0.00484 | 0.00016 |
| 4 | 1.07354 | -0.00121 | 0.00016 | 0.00114 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA156 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 882 | 656 | 226 | 25.62 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8204.498 | 8197.816 |
| AIC | 8204.498 | 8203.816 |
| SBC | 8204.498 | 8217.274 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 6.6820 | 3 | 0.0828 |
| Score | 6.7281 | 3 | 0.0811 |
| Wald | 6.7304 | 3 | 0.0810 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.02824 | 0.07948 | 0.1262 | 0.7224 | 0.972 |
| M_cont | 1 | -0.04088 | 0.03584 | 1.3007 | 0.2541 | 0.960 |
| C | 1 | -0.08855 | 0.03893 | 5.1735 | 0.0229 | 0.915 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063167856 | -.0003378343 | 0.0001599453 |
| M_cont | -.0003378343 | 0.0012847334 | -.0000291998 |
| C | 0.0001599453 | -.0000291998 | 0.0015155636 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04148 | -0.096983 | 0.18328 | 0.11658 |
| 2 | 1.04148 | 0.003157 | -0.00208 | -0.00109 |
| 3 | 1.04148 | -0.002083 | 0.00441 | 0.00013 |
| 4 | 1.04148 | -0.001090 | 0.00013 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA157 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 893 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 893 | 651 | 242 | 27.10 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8179.131 | 8171.801 |
| AIC | 8179.131 | 8177.801 |
| SBC | 8179.131 | 8191.237 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.3298 | 3 | 0.0621 |
| Score | 7.2965 | 3 | 0.0630 |
| Wald | 7.2905 | 3 | 0.0632 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14395 | 0.08105 | 3.1542 | 0.0757 | 0.866 |
| M_cont | 1 | -0.05312 | 0.03663 | 2.1034 | 0.1470 | 0.948 |
| C | 1 | -0.04209 | 0.04136 | 1.0352 | 0.3089 | 0.959 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065692227 | -.0004598233 | 0.0002594915 |
| M_cont | -.0004598233 | 0.0013417103 | -.0001509727 |
| C | 0.0002594915 | -.0001509727 | 0.0017109887 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06368 | -0.093015 | 0.18813 | 0.14855 |
| 2 | 1.06368 | 0.003241 | -0.00211 | -0.00117 |
| 3 | 1.06368 | -0.002111 | 0.00462 | 0.00011 |
| 4 | 1.06368 | -0.001172 | 0.00011 | 0.00110 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA158 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 892 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 892 | 643 | 249 | 27.91 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8088.310 | 8070.137 |
| AIC | 8088.310 | 8076.137 |
| SBC | 8088.310 | 8089.536 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 18.1728 | 3 | 0.0004 |
| Score | 18.0178 | 3 | 0.0004 |
| Wald | 17.8956 | 3 | 0.0005 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.30338 | 0.08146 | 13.8693 | 0.0002 | 0.738 |
| M_cont | 1 | -0.05074 | 0.03582 | 2.0062 | 0.1567 | 0.951 |
| C | 1 | -0.02796 | 0.03937 | 0.5046 | 0.4775 | 0.972 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066360399 | -.0003628827 | 0.0001763728 |
| M_cont | -.0003628827 | 0.0012833908 | -.0001229163 |
| C | 0.0001763728 | -.0001229163 | 0.0015497561 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04842 | -0.15165 | 0.18345 | 0.13150 |
| 2 | 1.04842 | 0.00311 | -0.00206 | -0.00107 |
| 3 | 1.04842 | -0.00206 | 0.00445 | 0.00006 |
| 4 | 1.04842 | -0.00107 | 0.00006 | 0.00102 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA159 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 888 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 888 | 641 | 247 | 27.82 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8056.055 | 8032.479 |
| AIC | 8056.055 | 8038.479 |
| SBC | 8056.055 | 8051.868 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 23.5761 | 3 | <.0001 |
| Score | 23.5251 | 3 | <.0001 |
| Wald | 23.4883 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.20411 | 0.08087 | 6.3698 | 0.0116 | 0.815 |
| M_cont | 1 | -0.11112 | 0.03412 | 10.6050 | 0.0011 | 0.895 |
| C | 1 | -0.07686 | 0.03982 | 3.7247 | 0.0536 | 0.926 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065402689 | -.0002398569 | 0.0000939055 |
| M_cont | -.0002398569 | 0.0011642392 | -.0001410889 |
| C | 0.0000939055 | -.0001410889 | 0.0015858930 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07732 | -0.16553 | 0.19030 | 0.14924 |
| 2 | 1.07732 | 0.00318 | -0.00212 | -0.00107 |
| 3 | 1.07732 | -0.00212 | 0.00471 | 0.00004 |
| 4 | 1.07732 | -0.00107 | 0.00004 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA160 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 879 | 629 | 250 | 28.44 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7900.954 | 7881.804 |
| AIC | 7900.954 | 7887.804 |
| SBC | 7900.954 | 7901.136 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 19.1501 | 3 | 0.0003 |
| Score | 19.1969 | 3 | 0.0002 |
| Wald | 19.1454 | 3 | 0.0003 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.22933 | 0.08203 | 7.8151 | 0.0052 | 0.795 |
| M_cont | 1 | -0.09879 | 0.03693 | 7.1566 | 0.0075 | 0.906 |
| C | 1 | -0.07502 | 0.04163 | 3.2480 | 0.0715 | 0.928 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067297128 | -.0002219150 | 0.0003991603 |
| M_cont | -.0002219150 | 0.0013637241 | -.0001386801 |
| C | 0.0003991603 | -.0001386801 | 0.0017329880 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02922 | -0.12297 | 0.097936 | 0.13442 |
| 2 | 1.02922 | 0.00309 | -0.002013 | -0.00109 |
| 3 | 1.02922 | -0.00201 | 0.004293 | 0.00009 |
| 4 | 1.02922 | -0.00109 | 0.000091 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA161 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 887 | 645 | 242 | 27.28 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8097.463 | 8083.185 |
| AIC | 8097.463 | 8089.185 |
| SBC | 8097.463 | 8102.592 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 14.2788 | 3 | 0.0025 |
| Score | 14.2649 | 3 | 0.0026 |
| Wald | 14.2583 | 3 | 0.0026 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.09963 | 0.08146 | 1.4959 | 0.2213 | 0.905 |
| M_cont | 1 | -0.13042 | 0.03872 | 11.3474 | 0.0008 | 0.878 |
| C | 1 | -0.00404 | 0.04305 | 0.0088 | 0.9252 | 0.996 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066354816 | -.0004294953 | 0.0001543000 |
| M_cont | -.0004294953 | 0.0014988659 | -.0000698911 |
| C | 0.0001543000 | -.0000698911 | 0.0018532592 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.98722 | -0.15374 | 0.22090 | 0.10393 |
| 2 | 0.98722 | 0.00277 | -0.00172 | -0.00104 |
| 3 | 0.98722 | -0.00172 | 0.00401 | 0.00005 |
| 4 | 0.98722 | -0.00104 | 0.00005 | 0.00098 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA162 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 873 | 615 | 258 | 29.55 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7730.784 | 7717.667 |
| AIC | 7730.784 | 7723.667 |
| SBC | 7730.784 | 7736.932 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.1176 | 3 | 0.0044 |
| Score | 13.1148 | 3 | 0.0044 |
| Wald | 13.1296 | 3 | 0.0044 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.10391 | 0.08370 | 1.5411 | 0.2145 | 0.901 |
| M_cont | 1 | -0.10576 | 0.03523 | 9.0140 | 0.0027 | 0.900 |
| C | 1 | -0.03116 | 0.04085 | 0.5819 | 0.4456 | 0.969 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0070061679 | -.0003513099 | -.0000011216 |
| M_cont | -.0003513099 | 0.0012408202 | -.0002059312 |
| C | -.0000011216 | -.0002059312 | 0.0016687318 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09465 | -0.16150 | 0.18497 | 0.19365 |
| 2 | 1.09465 | 0.00313 | -0.00194 | -0.00113 |
| 3 | 1.09465 | -0.00194 | 0.00500 | -0.00005 |
| 4 | 1.09465 | -0.00113 | -0.00005 | 0.00112 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA163 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 872 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 872 | 639 | 233 | 26.72 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7992.659 | 7979.666 |
| AIC | 7992.659 | 7985.666 |
| SBC | 7992.659 | 7999.045 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.9936 | 3 | 0.0047 |
| Score | 13.0098 | 3 | 0.0046 |
| Wald | 13.0280 | 3 | 0.0046 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.10758 | 0.08070 | 1.7771 | 0.1825 | 0.898 |
| M_cont | 1 | -0.09149 | 0.03614 | 6.4091 | 0.0114 | 0.913 |
| C | 1 | -0.07872 | 0.04263 | 3.4108 | 0.0648 | 0.924 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065120463 | -.0002319168 | 0.0001787647 |
| M_cont | -.0002319168 | 0.0013061467 | -.0001632221 |
| C | 0.0001787647 | -.0001632221 | 0.0018169610 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03727 | -0.12966 | 0.15630 | 0.15503 |
| 2 | 1.03727 | 0.00295 | -0.00185 | -0.00107 |
| 3 | 1.03727 | -0.00185 | 0.00440 | -0.00002 |
| 4 | 1.03727 | -0.00107 | -0.00002 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA164 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 866 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 866 | 629 | 237 | 27.37 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7867.970 | 7858.642 |
| AIC | 7867.970 | 7864.642 |
| SBC | 7867.970 | 7877.974 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 9.3279 | 3 | 0.0252 |
| Score | 9.2717 | 3 | 0.0259 |
| Wald | 9.2573 | 3 | 0.0261 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14952 | 0.08190 | 3.3330 | 0.0679 | 0.861 |
| M_cont | 1 | -0.08237 | 0.03796 | 4.7090 | 0.0300 | 0.921 |
| C | 1 | 0.02916 | 0.04204 | 0.4811 | 0.4879 | 1.030 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067070891 | -.0002989836 | 0.0002863573 |
| M_cont | -.0002989836 | 0.0014409090 | -.0001756176 |
| C | 0.0002863573 | -.0001756176 | 0.0017671234 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03331 | -0.17813 | 0.14719 | 0.14386 |
| 2 | 1.03331 | 0.00307 | -0.00196 | -0.00116 |
| 3 | 1.03331 | -0.00196 | 0.00440 | 0.00012 |
| 4 | 1.03331 | -0.00116 | 0.00012 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA165 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 873 | 658 | 215 | 24.63 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8201.326 | 8176.337 |
| AIC | 8201.326 | 8182.337 |
| SBC | 8201.326 | 8195.805 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 24.9885 | 3 | <.0001 |
| Score | 24.9943 | 3 | <.0001 |
| Wald | 24.9517 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.16624 | 0.07960 | 4.3612 | 0.0368 | 0.847 |
| M_cont | 1 | -0.14683 | 0.03484 | 17.7606 | <.0001 | 0.863 |
| C | 1 | -0.01085 | 0.03849 | 0.0794 | 0.7781 | 0.989 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063367736 | -.0002933911 | 0.0000842827 |
| M_cont | -.0002933911 | 0.0012138169 | -.0001839287 |
| C | 0.0000842827 | -.0001839287 | 0.0014815006 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05821 | -0.23798 | 0.20161 | 0.21074 |
| 2 | 1.05821 | 0.00297 | -0.00203 | -0.00096 |
| 3 | 1.05821 | -0.00203 | 0.00454 | 0.00002 |
| 4 | 1.05821 | -0.00096 | 0.00002 | 0.00096 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA166 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 877 | 643 | 234 | 26.68 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8049.382 | 8022.163 |
| AIC | 8049.382 | 8028.163 |
| SBC | 8049.382 | 8041.562 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 27.2184 | 3 | <.0001 |
| Score | 27.0344 | 3 | <.0001 |
| Wald | 27.1527 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.10120 | 0.08049 | 1.5808 | 0.2086 | 0.904 |
| M_cont | 1 | -0.13802 | 0.03518 | 15.3939 | <.0001 | 0.871 |
| C | 1 | -0.11007 | 0.04080 | 7.2761 | 0.0070 | 0.896 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064780371 | -.0002036474 | -.0000659680 |
| M_cont | -.0002036474 | 0.0012375197 | -.0001148186 |
| C | -.0000659680 | -.0001148186 | 0.0016649947 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09194 | -0.067072 | 0.12342 | 0.13942 |
| 2 | 1.09194 | 0.003129 | -0.00207 | -0.00108 |
| 3 | 1.09194 | -0.002071 | 0.00489 | 0.00000 |
| 4 | 1.09194 | -0.001076 | 0.00000 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA167 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 890 | 656 | 234 | 26.29 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8225.892 | 8218.303 |
| AIC | 8225.892 | 8224.303 |
| SBC | 8225.892 | 8237.762 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.5888 | 3 | 0.0553 |
| Score | 7.6297 | 3 | 0.0543 |
| Wald | 7.6244 | 3 | 0.0544 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.11135 | 0.07877 | 1.9981 | 0.1575 | 0.895 |
| M_cont | 1 | -0.04360 | 0.03423 | 1.6226 | 0.2027 | 0.957 |
| C | 1 | -0.07205 | 0.03899 | 3.4135 | 0.0647 | 0.930 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062053678 | -.0001455667 | 0.0001316371 |
| M_cont | -.0001455667 | 0.0011716586 | -.0001492760 |
| C | 0.0001316371 | -.0001492760 | 0.0015205563 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09126 | -0.12009 | 0.10394 | 0.15570 |
| 2 | 1.09126 | 0.00330 | -0.00223 | -0.00112 |
| 3 | 1.09126 | -0.00223 | 0.00481 | 0.00005 |
| 4 | 1.09126 | -0.00112 | 0.00005 | 0.00111 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA168 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 892 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 892 | 642 | 250 | 28.03 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8077.303 | 8066.760 |
| AIC | 8077.303 | 8072.760 |
| SBC | 8077.303 | 8086.154 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.5432 | 3 | 0.0145 |
| Score | 10.5210 | 3 | 0.0146 |
| Wald | 10.5247 | 3 | 0.0146 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08756 | 0.08162 | 1.1510 | 0.2833 | 0.916 |
| M_cont | 1 | -0.09650 | 0.03683 | 6.8638 | 0.0088 | 0.908 |
| C | 1 | -0.04364 | 0.03877 | 1.2672 | 0.2603 | 0.957 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066610758 | -.0003152442 | 0.0001140150 |
| M_cont | -.0003152442 | 0.0013566982 | -.0001382032 |
| C | 0.0001140150 | -.0001382032 | 0.0015027291 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03984 | -0.14685 | 0.18093 | 0.14156 |
| 2 | 1.03984 | 0.00296 | -0.00189 | -0.00107 |
| 3 | 1.03984 | -0.00189 | 0.00447 | 0.00006 |
| 4 | 1.03984 | -0.00107 | 0.00006 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA169 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 874 | 645 | 229 | 26.20 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8063.458 | 8038.915 |
| AIC | 8063.458 | 8044.915 |
| SBC | 8063.458 | 8058.323 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 24.5428 | 3 | <.0001 |
| Score | 24.5936 | 3 | <.0001 |
| Wald | 24.5272 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.13557 | 0.07990 | 2.8793 | 0.0897 | 0.873 |
| M_cont | 1 | -0.15963 | 0.03478 | 21.0680 | <.0001 | 0.852 |
| C | 1 | 0.02704 | 0.04416 | 0.3749 | 0.5403 | 1.027 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063837477 | -.0000839330 | 0.0003211618 |
| M_cont | -.0000839330 | 0.0012094897 | -.0001610441 |
| C | 0.0003211618 | -.0001610441 | 0.0019498011 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07959 | -0.071021 | 0.059559 | 0.14537 |
| 2 | 1.07959 | 0.003351 | -0.002186 | -0.00122 |
| 3 | 1.07959 | -0.002186 | 0.004718 | 0.00007 |
| 4 | 1.07959 | -0.001216 | 0.000073 | 0.00119 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA170 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 903 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 903 | 663 | 240 | 26.58 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8337.185 | 8329.607 |
| AIC | 8337.185 | 8335.607 |
| SBC | 8337.185 | 8349.097 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.5782 | 3 | 0.0556 |
| Score | 7.6080 | 3 | 0.0548 |
| Wald | 7.6045 | 3 | 0.0549 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.10644 | 0.07962 | 1.7873 | 0.1813 | 0.899 |
| M_cont | 1 | -0.06346 | 0.03560 | 3.1778 | 0.0746 | 0.939 |
| C | 1 | -0.06201 | 0.04182 | 2.1981 | 0.1382 | 0.940 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063387903 | -.0003004774 | 0.0003017174 |
| M_cont | -.0003004774 | 0.0012671969 | -.0000686651 |
| C | 0.0003017174 | -.0000686651 | 0.0017490813 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03893 | -0.16610 | 0.14998 | 0.12666 |
| 2 | 1.03893 | 0.00326 | -0.00191 | -0.00121 |
| 3 | 1.03893 | -0.00191 | 0.00440 | 0.00002 |
| 4 | 1.03893 | -0.00121 | 0.00002 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA171 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 634 | 236 | 27.13 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7932.716 | 7919.316 |
| AIC | 7932.716 | 7925.316 |
| SBC | 7932.716 | 7938.672 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.4002 | 3 | 0.0038 |
| Score | 13.4274 | 3 | 0.0038 |
| Wald | 13.4502 | 3 | 0.0038 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.04300 | 0.08125 | 0.2801 | 0.5966 | 0.958 |
| M_cont | 1 | -0.10810 | 0.03554 | 9.2525 | 0.0024 | 0.898 |
| C | 1 | -0.06584 | 0.04361 | 2.2796 | 0.1311 | 0.936 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066014175 | -.0002961100 | 0.0001523567 |
| M_cont | -.0002961100 | 0.0012629706 | -.0001873745 |
| C | 0.0001523567 | -.0001873745 | 0.0019017587 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07195 | -0.18004 | 0.13306 | 0.18617 |
| 2 | 1.07195 | 0.00335 | -0.00205 | -0.00128 |
| 3 | 1.07195 | -0.00205 | 0.00471 | 0.00006 |
| 4 | 1.07195 | -0.00128 | 0.00006 | 0.00121 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA172 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 885 | 650 | 235 | 26.55 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8147.184 | 8126.382 |
| AIC | 8147.184 | 8132.382 |
| SBC | 8147.184 | 8145.813 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 20.8022 | 3 | 0.0001 |
| Score | 20.9382 | 3 | 0.0001 |
| Wald | 20.8499 | 3 | 0.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.25460 | 0.08059 | 9.9812 | 0.0016 | 0.775 |
| M_cont | 1 | -0.08638 | 0.03642 | 5.6255 | 0.0177 | 0.917 |
| C | 1 | -0.05858 | 0.03952 | 2.1966 | 0.1383 | 0.943 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064944228 | -.0003786567 | 0.0000608969 |
| M_cont | -.0003786567 | 0.0013265128 | -.0001581522 |
| C | 0.0000608969 | -.0001581522 | 0.0015620630 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06213 | -0.053265 | 0.086826 | 0.11933 |
| 2 | 1.06213 | 0.003212 | -0.002147 | -0.00108 |
| 3 | 1.06213 | -0.002147 | 0.004550 | 0.00007 |
| 4 | 1.06213 | -0.001083 | 0.000067 | 0.00103 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA173 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 855 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 855 | 612 | 243 | 28.42 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7653.191 | 7622.816 |
| AIC | 7653.191 | 7628.816 |
| SBC | 7653.191 | 7642.067 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 30.3748 | 3 | <.0001 |
| Score | 30.4521 | 3 | <.0001 |
| Wald | 30.3635 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.28418 | 0.08357 | 11.5641 | 0.0007 | 0.753 |
| M_cont | 1 | -0.08011 | 0.03946 | 4.1211 | 0.0424 | 0.923 |
| C | 1 | -0.13738 | 0.04108 | 11.1812 | 0.0008 | 0.872 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069832924 | -.0002780340 | 0.0001160225 |
| M_cont | -.0002780340 | 0.0015571259 | -.0002683472 |
| C | 0.0001160225 | -.0002683472 | 0.0016879370 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00868 | -0.11990 | 0.14089 | 0.17892 |
| 2 | 1.00868 | 0.00277 | -0.00186 | -0.00096 |
| 3 | 1.00868 | -0.00186 | 0.00416 | 0.00008 |
| 4 | 1.00868 | -0.00096 | 0.00008 | 0.00092 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA174 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 875 | 635 | 240 | 27.43 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7956.706 | 7936.984 |
| AIC | 7956.706 | 7942.984 |
| SBC | 7956.706 | 7956.345 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 19.7215 | 3 | 0.0002 |
| Score | 19.8594 | 3 | 0.0002 |
| Wald | 19.8704 | 3 | 0.0002 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.15381 | 0.08178 | 3.5374 | 0.0600 | 0.857 |
| M_cont | 1 | -0.07457 | 0.03483 | 4.5847 | 0.0323 | 0.928 |
| C | 1 | -0.12620 | 0.04218 | 8.9492 | 0.0028 | 0.881 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066878960 | -.0000323713 | -.0000343660 |
| M_cont | -.0000323713 | 0.0012129514 | -.0002422252 |
| C | -.0000343660 | -.0002422252 | 0.0017795471 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07502 | -0.16499 | 0.088309 | 0.21538 |
| 2 | 1.07502 | 0.00316 | -0.001860 | -0.00117 |
| 3 | 1.07502 | -0.00186 | 0.004846 | -0.00004 |
| 4 | 1.07502 | -0.00117 | -0.000041 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA175 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 872 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 872 | 640 | 232 | 26.61 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8003.505 | 7991.329 |
| AIC | 8003.505 | 7997.329 |
| SBC | 8003.505 | 8010.714 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 12.1757 | 3 | 0.0068 |
| Score | 12.1536 | 3 | 0.0069 |
| Wald | 12.1516 | 3 | 0.0069 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.16840 | 0.08170 | 4.2486 | 0.0393 | 0.845 |
| M_cont | 1 | -0.08122 | 0.03601 | 5.0887 | 0.0241 | 0.922 |
| C | 1 | -0.05441 | 0.04168 | 1.7042 | 0.1917 | 0.947 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066748392 | -.0002450096 | 0.0002393485 |
| M_cont | -.0002450096 | 0.0012963806 | -.0001516912 |
| C | 0.0002393485 | -.0001516912 | 0.0017372764 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03784 | -0.12728 | 0.17417 | 0.15830 |
| 2 | 1.03784 | 0.00306 | -0.00192 | -0.00114 |
| 3 | 1.03784 | -0.00192 | 0.00445 | 0.00008 |
| 4 | 1.03784 | -0.00114 | 0.00008 | 0.00106 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA176 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 867 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 867 | 619 | 248 | 28.60 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7760.304 | 7749.340 |
| AIC | 7760.304 | 7755.340 |
| SBC | 7760.304 | 7768.625 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.9633 | 3 | 0.0119 |
| Score | 10.9226 | 3 | 0.0122 |
| Wald | 10.9379 | 3 | 0.0121 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | 0.01100 | 0.08267 | 0.0177 | 0.8942 | 1.011 |
| M_cont | 1 | -0.11043 | 0.03622 | 9.2941 | 0.0023 | 0.895 |
| C | 1 | -0.03824 | 0.04102 | 0.8687 | 0.3513 | 0.962 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068341210 | -.0003358133 | -.0000690606 |
| M_cont | -.0003358133 | 0.0013121738 | -.0001551791 |
| C | -.0000690606 | -.0001551791 | 0.0016829592 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05295 | -0.18248 | 0.15842 | 0.14781 |
| 2 | 1.05295 | 0.00286 | -0.00181 | -0.00098 |
| 3 | 1.05295 | -0.00181 | 0.00457 | -0.00008 |
| 4 | 1.05295 | -0.00098 | -0.00008 | 0.00099 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA177 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 872 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 872 | 655 | 217 | 24.89 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8166.127 | 8149.130 |
| AIC | 8166.127 | 8155.130 |
| SBC | 8166.127 | 8168.584 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.9968 | 3 | 0.0007 |
| Score | 16.9577 | 3 | 0.0007 |
| Wald | 16.9585 | 3 | 0.0007 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.15862 | 0.08219 | 3.7247 | 0.0536 | 0.853 |
| M_cont | 1 | -0.06445 | 0.03537 | 3.3200 | 0.0684 | 0.938 |
| C | 1 | -0.10805 | 0.04017 | 7.2356 | 0.0071 | 0.898 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0067551601 | -.0005967788 | 0.0001715894 |
| M_cont | -.0005967788 | 0.0012511842 | -.0001602449 |
| C | 0.0001715894 | -.0001602449 | 0.0016135010 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06337 | -0.22312 | 0.31102 | 0.16846 |
| 2 | 1.06337 | 0.00293 | -0.00197 | -0.00103 |
| 3 | 1.06337 | -0.00197 | 0.00467 | 0.00005 |
| 4 | 1.06337 | -0.00103 | 0.00005 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA178 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 868 | 645 | 223 | 25.69 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8047.036 | 8029.089 |
| AIC | 8047.036 | 8035.089 |
| SBC | 8047.036 | 8048.497 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 17.9473 | 3 | 0.0005 |
| Score | 18.1186 | 3 | 0.0004 |
| Wald | 18.1122 | 3 | 0.0004 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14680 | 0.08104 | 3.2808 | 0.0701 | 0.863 |
| M_cont | 1 | -0.10488 | 0.03789 | 7.6628 | 0.0056 | 0.900 |
| C | 1 | -0.07590 | 0.04029 | 3.5481 | 0.0596 | 0.927 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065681343 | -.0002734073 | 0.0000801258 |
| M_cont | -.0002734073 | 0.0014353867 | -.0003108498 |
| C | 0.0000801258 | -.0003108498 | 0.0016235607 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02048 | -0.22364 | 0.12723 | 0.21463 |
| 2 | 1.02048 | 0.00279 | -0.00183 | -0.00099 |
| 3 | 1.02048 | -0.00183 | 0.00431 | 0.00006 |
| 4 | 1.02048 | -0.00099 | 0.00006 | 0.00097 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA179 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 879 | 639 | 240 | 27.30 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8010.960 | 7993.667 |
| AIC | 8010.960 | 7999.667 |
| SBC | 8010.960 | 8013.047 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 17.2929 | 3 | 0.0006 |
| Score | 17.3610 | 3 | 0.0006 |
| Wald | 17.3939 | 3 | 0.0006 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.04234 | 0.08163 | 0.2691 | 0.6040 | 0.959 |
| M_cont | 1 | -0.10514 | 0.03748 | 7.8705 | 0.0050 | 0.900 |
| C | 1 | -0.10957 | 0.04177 | 6.8815 | 0.0087 | 0.896 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066628139 | -.0004871238 | 0.0003822196 |
| M_cont | -.0004871238 | 0.0014044186 | -.0001996901 |
| C | 0.0003822196 | -.0001996901 | 0.0017445117 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02121 | -0.22529 | 0.20294 | 0.21252 |
| 2 | 1.02121 | 0.00295 | -0.00194 | -0.00108 |
| 3 | 1.02121 | -0.00194 | 0.00428 | 0.00012 |
| 4 | 1.02121 | -0.00108 | 0.00012 | 0.00103 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA180 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 867 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 867 | 633 | 234 | 26.99 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7914.170 | 7895.023 |
| AIC | 7914.170 | 7901.023 |
| SBC | 7914.170 | 7914.375 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 19.1470 | 3 | 0.0003 |
| Score | 18.8774 | 3 | 0.0003 |
| Wald | 18.9156 | 3 | 0.0003 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.03886 | 0.08056 | 0.2327 | 0.6296 | 0.962 |
| M_cont | 1 | -0.08206 | 0.03491 | 5.5261 | 0.0187 | 0.921 |
| C | 1 | -0.13735 | 0.04081 | 11.3259 | 0.0008 | 0.872 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064893969 | -.0003985289 | 0.0000539737 |
| M_cont | -.0003985289 | 0.0012184135 | -.0001162913 |
| C | 0.0000539737 | -.0001162913 | 0.0016656137 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09223 | -0.22545 | 0.28798 | 0.13580 |
| 2 | 1.09223 | 0.00344 | -0.00222 | -0.00117 |
| 3 | 1.09223 | -0.00222 | 0.00480 | -0.00000 |
| 4 | 1.09223 | -0.00117 | -0.00000 | 0.00113 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA181 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 890 | 666 | 224 | 25.17 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8334.728 | 8316.416 |
| AIC | 8334.728 | 8322.416 |
| SBC | 8334.728 | 8335.920 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 18.3125 | 3 | 0.0004 |
| Score | 18.2788 | 3 | 0.0004 |
| Wald | 18.2934 | 3 | 0.0004 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.10835 | 0.07973 | 1.8465 | 0.1742 | 0.897 |
| M_cont | 1 | -0.11614 | 0.03432 | 11.4496 | 0.0007 | 0.890 |
| C | 1 | -0.05566 | 0.03818 | 2.1256 | 0.1449 | 0.946 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063574663 | -.0004540472 | 0.0000052743 |
| M_cont | -.0004540472 | 0.0011779856 | -.0001013655 |
| C | 0.0000052743 | -.0001013655 | 0.0014574087 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08477 | -0.18010 | 0.25915 | 0.14056 |
| 2 | 1.08477 | 0.00331 | -0.00213 | -0.00113 |
| 3 | 1.08477 | -0.00213 | 0.00476 | -0.00000 |
| 4 | 1.08477 | -0.00113 | -0.00000 | 0.00109 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA182 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 866 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 866 | 622 | 244 | 28.18 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7790.840 | 7787.551 |
| AIC | 7790.840 | 7793.551 |
| SBC | 7790.840 | 7806.849 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 3.2899 | 3 | 0.3491 |
| Score | 3.2844 | 3 | 0.3498 |
| Wald | 3.2827 | 3 | 0.3501 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.09598 | 0.08307 | 1.3351 | 0.2479 | 0.908 |
| M_cont | 1 | -0.03193 | 0.03647 | 0.7669 | 0.3812 | 0.969 |
| C | 1 | -0.03445 | 0.04340 | 0.6298 | 0.4274 | 0.966 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0069000171 | -.0002803290 | -.0000292739 |
| M_cont | -.0002803290 | 0.0013297531 | -.0002688531 |
| C | -.0000292739 | -.0002688531 | 0.0018839354 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05315 | -0.16809 | 0.14983 | 0.18855 |
| 2 | 1.05315 | 0.00297 | -0.00179 | -0.00112 |
| 3 | 1.05315 | -0.00179 | 0.00465 | -0.00003 |
| 4 | 1.05315 | -0.00112 | -0.00003 | 0.00110 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA183 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 881 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 881 | 646 | 235 | 26.67 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8092.921 | 8072.375 |
| AIC | 8092.921 | 8078.375 |
| SBC | 8092.921 | 8091.787 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 20.5462 | 3 | 0.0001 |
| Score | 20.4980 | 3 | 0.0001 |
| Wald | 20.5472 | 3 | 0.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14756 | 0.07987 | 3.4137 | 0.0647 | 0.863 |
| M_cont | 1 | -0.11838 | 0.03582 | 10.9210 | 0.0010 | 0.888 |
| C | 1 | -0.08394 | 0.04248 | 3.9044 | 0.0482 | 0.919 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063786009 | -.0002212867 | 0.0003026516 |
| M_cont | -.0002212867 | 0.0012832112 | -.0002020510 |
| C | 0.0003026516 | -.0002020510 | 0.0018044847 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07038 | -0.11209 | 0.11129 | 0.18884 |
| 2 | 1.07038 | 0.00326 | -0.00216 | -0.00115 |
| 3 | 1.07038 | -0.00216 | 0.00463 | 0.00006 |
| 4 | 1.07038 | -0.00115 | 0.00006 | 0.00114 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA184 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 886 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 886 | 653 | 233 | 26.30 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8182.423 | 8175.176 |
| AIC | 8182.423 | 8181.176 |
| SBC | 8182.423 | 8194.621 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.2475 | 3 | 0.0644 |
| Score | 7.1854 | 3 | 0.0662 |
| Wald | 7.1737 | 3 | 0.0666 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.17187 | 0.08092 | 4.5105 | 0.0337 | 0.842 |
| M_cont | 1 | -0.04946 | 0.03463 | 2.0399 | 0.1532 | 0.952 |
| C | 1 | -0.01572 | 0.04154 | 0.1431 | 0.7052 | 0.984 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065486458 | -.0001555109 | 0.0000104127 |
| M_cont | -.0001555109 | 0.0011992161 | -.0001312855 |
| C | 0.0000104127 | -.0001312855 | 0.0017255671 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09977 | -0.11157 | 0.12472 | 0.10118 |
| 2 | 1.09977 | 0.00349 | -0.00207 | -0.00129 |
| 3 | 1.09977 | -0.00207 | 0.00500 | 0.00001 |
| 4 | 1.09977 | -0.00129 | 0.00001 | 0.00116 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA185 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 876 | 639 | 237 | 27.05 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8003.077 | 7988.891 |
| AIC | 8003.077 | 7994.891 |
| SBC | 8003.077 | 8008.271 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 14.1853 | 3 | 0.0027 |
| Score | 14.0478 | 3 | 0.0028 |
| Wald | 14.0562 | 3 | 0.0028 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.13410 | 0.08070 | 2.7612 | 0.0966 | 0.874 |
| M_cont | 1 | -0.07543 | 0.03542 | 4.5356 | 0.0332 | 0.927 |
| C | 1 | -0.09085 | 0.04184 | 4.7141 | 0.0299 | 0.913 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065131503 | -.0002788714 | 0.0001194275 |
| M_cont | -.0002788714 | 0.0012544174 | -.0002045748 |
| C | 0.0001194275 | -.0002045748 | 0.0017508542 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06390 | -0.15901 | 0.12904 | 0.20647 |
| 2 | 1.06390 | 0.00328 | -0.00212 | -0.00115 |
| 3 | 1.06390 | -0.00212 | 0.00458 | 0.00007 |
| 4 | 1.06390 | -0.00115 | 0.00007 | 0.00108 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA186 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 878 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 878 | 661 | 217 | 24.72 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8247.422 | 8230.681 |
| AIC | 8247.422 | 8236.681 |
| SBC | 8247.422 | 8250.163 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 16.7407 | 3 | 0.0008 |
| Score | 16.5707 | 3 | 0.0009 |
| Wald | 16.5406 | 3 | 0.0009 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.20176 | 0.08059 | 6.2676 | 0.0123 | 0.817 |
| M_cont | 1 | -0.09865 | 0.03517 | 7.8701 | 0.0050 | 0.906 |
| C | 1 | -0.02347 | 0.03973 | 0.3489 | 0.5547 | 0.977 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064945502 | -.0002355211 | 0.0000186667 |
| M_cont | -.0002355211 | 0.0012366276 | -.0002186678 |
| C | 0.0000186667 | -.0002186678 | 0.0015787855 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06528 | -0.23842 | 0.12114 | 0.20969 |
| 2 | 1.06528 | 0.00310 | -0.00190 | -0.00113 |
| 3 | 1.06528 | -0.00190 | 0.00472 | 0.00000 |
| 4 | 1.06528 | -0.00113 | 0.00000 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA187 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 892 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 892 | 637 | 255 | 28.59 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8022.002 | 8016.724 |
| AIC | 8022.002 | 8022.724 |
| SBC | 8022.002 | 8036.094 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 5.2778 | 3 | 0.1526 |
| Score | 5.2808 | 3 | 0.1524 |
| Wald | 5.2801 | 3 | 0.1524 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.07832 | 0.08053 | 0.9458 | 0.3308 | 0.925 |
| M_cont | 1 | -0.03353 | 0.03687 | 0.8271 | 0.3631 | 0.967 |
| C | 1 | -0.06676 | 0.04115 | 2.6317 | 0.1048 | 0.935 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064852824 | -.0001061978 | -.0001737806 |
| M_cont | -.0001061978 | 0.0013593934 | -.0002449342 |
| C | -.0001737806 | -.0002449342 | 0.0016934619 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02778 | -0.12960 | 0.12282 | 0.18499 |
| 2 | 1.02778 | 0.00289 | -0.00183 | -0.00104 |
| 3 | 1.02778 | -0.00183 | 0.00430 | -0.00004 |
| 4 | 1.02778 | -0.00104 | -0.00004 | 0.00105 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA188 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 882 | 638 | 244 | 27.66 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8007.744 | 7993.291 |
| AIC | 8007.744 | 7999.291 |
| SBC | 8007.744 | 8012.666 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 14.4530 | 3 | 0.0023 |
| Score | 14.4578 | 3 | 0.0023 |
| Wald | 14.4736 | 3 | 0.0023 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.11359 | 0.08270 | 1.8864 | 0.1696 | 0.893 |
| M_cont | 1 | -0.09921 | 0.03507 | 8.0023 | 0.0047 | 0.906 |
| C | 1 | -0.06825 | 0.04211 | 2.6266 | 0.1051 | 0.934 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068392367 | -.0002333973 | 0.0001998018 |
| M_cont | -.0002333973 | 0.0012300397 | -.0002107107 |
| C | 0.0001998018 | -.0002107107 | 0.0017735900 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06161 | -0.20981 | 0.11783 | 0.17573 |
| 2 | 1.06161 | 0.00317 | -0.00195 | -0.00120 |
| 3 | 1.06161 | -0.00195 | 0.00476 | 0.00010 |
| 4 | 1.06161 | -0.00120 | 0.00010 | 0.00108 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA189 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 868 | 641 | 227 | 26.15 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8003.803 | 7993.255 |
| AIC | 8003.803 | 7999.255 |
| SBC | 8003.803 | 8012.644 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.5478 | 3 | 0.0144 |
| Score | 10.5755 | 3 | 0.0143 |
| Wald | 10.5811 | 3 | 0.0142 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08351 | 0.08058 | 1.0740 | 0.3000 | 0.920 |
| M_cont | 1 | -0.06663 | 0.03439 | 3.7528 | 0.0527 | 0.936 |
| C | 1 | -0.08921 | 0.04020 | 4.9243 | 0.0265 | 0.915 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064934571 | -.0001752242 | 0.0000316375 |
| M_cont | -.0001752242 | 0.0011829445 | -.0000883170 |
| C | 0.0000316375 | -.0000883170 | 0.0016162358 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04753 | -0.12459 | 0.084563 | 0.13487 |
| 2 | 1.04753 | 0.00303 | -0.001967 | -0.00109 |
| 3 | 1.04753 | -0.00197 | 0.004493 | 0.00006 |
| 4 | 1.04753 | -0.00109 | 0.000057 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA190 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 855 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 855 | 606 | 249 | 29.12 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7587.136 | 7553.452 |
| AIC | 7587.136 | 7559.452 |
| SBC | 7587.136 | 7572.673 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 33.6841 | 3 | <.0001 |
| Score | 33.4517 | 3 | <.0001 |
| Wald | 33.2817 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.34789 | 0.08627 | 16.2626 | <.0001 | 0.706 |
| M_cont | 1 | -0.04755 | 0.03848 | 1.5266 | 0.2166 | 0.954 |
| C | 1 | -0.14897 | 0.04216 | 12.4838 | 0.0004 | 0.862 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0074420398 | -.0004154751 | 0.0000305417 |
| M_cont | -.0004154751 | 0.0014808212 | -.0001926682 |
| C | 0.0000305417 | -.0001926682 | 0.0017776852 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04565 | -0.099107 | 0.15841 | 0.15042 |
| 2 | 1.04565 | 0.002914 | -0.00186 | -0.00102 |
| 3 | 1.04565 | -0.001859 | 0.00453 | 0.00002 |
| 4 | 1.04565 | -0.001020 | 0.00002 | 0.00097 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA191 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 884 | 654 | 230 | 26.02 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8188.112 | 8177.116 |
| AIC | 8188.112 | 8183.116 |
| SBC | 8188.112 | 8196.565 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 10.9959 | 3 | 0.0117 |
| Score | 10.9707 | 3 | 0.0119 |
| Wald | 10.9862 | 3 | 0.0118 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | 0.00410 | 0.07882 | 0.0027 | 0.9586 | 1.004 |
| M_cont | 1 | -0.11308 | 0.03609 | 9.8169 | 0.0017 | 0.893 |
| C | 1 | -0.02191 | 0.04039 | 0.2943 | 0.5875 | 0.978 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062127202 | -.0001927259 | 0.0000943602 |
| M_cont | -.0001927259 | 0.0013024618 | -.0002396199 |
| C | 0.0000943602 | -.0002396199 | 0.0016311519 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04259 | -0.18589 | 0.11720 | 0.18804 |
| 2 | 1.04259 | 0.00312 | -0.00197 | -0.00107 |
| 3 | 1.04259 | -0.00197 | 0.00440 | 0.00000 |
| 4 | 1.04259 | -0.00107 | 0.00000 | 0.00100 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA192 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 875 | 621 | 254 | 29.03 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7802.311 | 7800.930 |
| AIC | 7802.311 | 7806.930 |
| SBC | 7802.311 | 7820.224 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 1.3812 | 3 | 0.7099 |
| Score | 1.3752 | 3 | 0.7114 |
| Wald | 1.3747 | 3 | 0.7115 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.07837 | 0.08165 | 0.9214 | 0.3371 | 0.925 |
| M_cont | 1 | -0.02168 | 0.03584 | 0.3660 | 0.5452 | 0.979 |
| C | 1 | -0.00234 | 0.04282 | 0.0030 | 0.9563 | 0.998 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066660607 | -.0001884999 | 0.0001027148 |
| M_cont | -.0001884999 | 0.0012842712 | -.0001299038 |
| C | 0.0001027148 | -.0001299038 | 0.0018332120 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07024 | -0.11608 | 0.12785 | 0.12932 |
| 2 | 1.07024 | 0.00320 | -0.00202 | -0.00115 |
| 3 | 1.07024 | -0.00202 | 0.00467 | 0.00001 |
| 4 | 1.07024 | -0.00115 | 0.00001 | 0.00111 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA193 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 883 | 639 | 244 | 27.63 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8021.236 | 8013.365 |
| AIC | 8021.236 | 8019.365 |
| SBC | 8021.236 | 8032.745 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 7.8703 | 3 | 0.0488 |
| Score | 7.8358 | 3 | 0.0495 |
| Wald | 7.8306 | 3 | 0.0496 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.12089 | 0.08158 | 2.1962 | 0.1384 | 0.886 |
| M_cont | 1 | -0.07613 | 0.03544 | 4.6130 | 0.0317 | 0.927 |
| C | 1 | 0.00251 | 0.04057 | 0.0038 | 0.9507 | 1.003 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066548964 | -.0003753589 | 0.0001344077 |
| M_cont | -.0003753589 | 0.0012563446 | -.0002323498 |
| C | 0.0001344077 | -.0002323498 | 0.0016458675 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05265 | -0.22318 | 0.18335 | 0.20379 |
| 2 | 1.05265 | 0.00311 | -0.00203 | -0.00111 |
| 3 | 1.05265 | -0.00203 | 0.00452 | 0.00008 |
| 4 | 1.05265 | -0.00111 | 0.00008 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA194 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 883 | 634 | 249 | 28.20 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7966.262 | 7952.309 |
| AIC | 7966.262 | 7958.309 |
| SBC | 7966.262 | 7971.665 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 13.9538 | 3 | 0.0030 |
| Score | 13.9221 | 3 | 0.0030 |
| Wald | 13.9189 | 3 | 0.0030 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.14148 | 0.08128 | 3.0298 | 0.0817 | 0.868 |
| M_cont | 1 | -0.11331 | 0.03671 | 9.5279 | 0.0020 | 0.893 |
| C | 1 | -0.00503 | 0.04159 | 0.0146 | 0.9037 | 0.995 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0066065205 | -.0002786041 | -.0000493685 |
| M_cont | -.0002786041 | 0.0013475038 | -.0001560112 |
| C | -.0000493685 | -.0001560112 | 0.0017300624 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02548 | -0.20757 | 0.19633 | 0.16254 |
| 2 | 1.02548 | 0.00288 | -0.00169 | -0.00103 |
| 3 | 1.02548 | -0.00169 | 0.00433 | -0.00013 |
| 4 | 1.02548 | -0.00103 | -0.00013 | 0.00100 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA195 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 897 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 897 | 683 | 214 | 23.86 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8537.814 | 8529.337 |
| AIC | 8537.814 | 8535.337 |
| SBC | 8537.814 | 8548.916 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.4777 | 3 | 0.0371 |
| Score | 8.4187 | 3 | 0.0381 |
| Wald | 8.3935 | 3 | 0.0385 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.20036 | 0.07801 | 6.5962 | 0.0102 | 0.818 |
| M_cont | 1 | -0.03594 | 0.03473 | 1.0708 | 0.3008 | 0.965 |
| C | 1 | -0.02044 | 0.04056 | 0.2539 | 0.6143 | 0.980 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0060862317 | -.0001761201 | 0.0001200791 |
| M_cont | -.0001761201 | 0.0012059992 | -.0002088543 |
| C | 0.0001200791 | -.0002088543 | 0.0016447620 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05221 | -0.21300 | 0.10294 | 0.18126 |
| 2 | 1.05221 | 0.00307 | -0.00198 | -0.00109 |
| 3 | 1.05221 | -0.00198 | 0.00450 | 0.00001 |
| 4 | 1.05221 | -0.00109 | 0.00001 | 0.00107 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA196 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 857 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 857 | 624 | 233 | 27.19 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 7789.837 | 7749.979 |
| AIC | 7789.837 | 7755.979 |
| SBC | 7789.837 | 7769.287 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 39.8581 | 3 | <.0001 |
| Score | 40.2769 | 3 | <.0001 |
| Wald | 40.0805 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.32781 | 0.08267 | 15.7215 | <.0001 | 0.721 |
| M_cont | 1 | -0.02556 | 0.03811 | 0.4498 | 0.5024 | 0.975 |
| C | 1 | -0.21298 | 0.04285 | 24.7089 | <.0001 | 0.808 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0068349932 | -.0004149871 | 0.0002827372 |
| M_cont | -.0004149871 | 0.0014521906 | -.0001519786 |
| C | 0.0002827372 | -.0001519786 | 0.0018357622 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03188 | -0.15264 | 0.19914 | 0.11947 |
| 2 | 1.03188 | 0.00287 | -0.00191 | -0.00101 |
| 3 | 1.03188 | -0.00191 | 0.00434 | 0.00003 |
| 4 | 1.03188 | -0.00101 | 0.00003 | 0.00103 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA197 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 663 | 207 | 23.79 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8246.345 | 8216.957 |
| AIC | 8246.345 | 8222.957 |
| SBC | 8246.345 | 8236.447 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 29.3884 | 3 | <.0001 |
| Score | 29.6724 | 3 | <.0001 |
| Wald | 29.7934 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.11279 | 0.07977 | 1.9996 | 0.1573 | 0.893 |
| M_cont | 1 | -0.14689 | 0.03539 | 17.2253 | <.0001 | 0.863 |
| C | 1 | -0.09059 | 0.04053 | 4.9947 | 0.0254 | 0.913 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0063624631 | -.0002781973 | -.0000265860 |
| M_cont | -.0002781973 | 0.0012526355 | -.0002449262 |
| C | -.0000265860 | -.0002449262 | 0.0016429544 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04602 | -0.26383 | 0.19600 | 0.19737 |
| 2 | 1.04602 | 0.00287 | -0.00187 | -0.00099 |
| 3 | 1.04602 | -0.00187 | 0.00448 | -0.00003 |
| 4 | 1.04602 | -0.00099 | -0.00003 | 0.00101 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA198 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 894 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 894 | 668 | 226 | 25.28 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8367.384 | 8349.590 |
| AIC | 8367.384 | 8355.590 |
| SBC | 8367.384 | 8369.103 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 17.7937 | 3 | 0.0005 |
| Score | 17.6149 | 3 | 0.0005 |
| Wald | 17.5811 | 3 | 0.0005 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.19074 | 0.07934 | 5.7803 | 0.0162 | 0.826 |
| M_cont | 1 | -0.10830 | 0.03517 | 9.4842 | 0.0021 | 0.897 |
| C | 1 | -0.00231 | 0.04039 | 0.0033 | 0.9544 | 0.998 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0062943877 | -.0003408618 | -.0000661789 |
| M_cont | -.0003408618 | 0.0012367047 | -.0001575615 |
| C | -.0000661789 | -.0001575615 | 0.0016316856 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06528 | -0.33046 | 0.22177 | 0.23913 |
| 2 | 1.06528 | 0.00335 | -0.00204 | -0.00120 |
| 3 | 1.06528 | -0.00204 | 0.00460 | -0.00000 |
| 4 | 1.06528 | -0.00120 | -0.00000 | 0.00111 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA199 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 870 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 870 | 663 | 207 | 23.79 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8246.296 | 8240.682 |
| AIC | 8246.296 | 8246.682 |
| SBC | 8246.296 | 8260.173 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 5.6134 | 3 | 0.1320 |
| Score | 5.6000 | 3 | 0.1328 |
| Wald | 5.5991 | 3 | 0.1328 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.08373 | 0.08003 | 1.0945 | 0.2955 | 0.920 |
| M_cont | 1 | -0.06927 | 0.03682 | 3.5398 | 0.0599 | 0.933 |
| C | 1 | -0.0005992 | 0.04077 | 0.0002 | 0.9883 | 0.999 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0064047598 | -.0005055987 | 0.0000246767 |
| M_cont | -.0005055987 | 0.0013557153 | -.0002468422 |
| C | 0.0000246767 | -.0002468422 | 0.0016618085 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03975 | -0.24123 | 0.20187 | 0.19811 |
| 2 | 1.03975 | 0.00295 | -0.00190 | -0.00103 |
| 3 | 1.03975 | -0.00190 | 0.00439 | -0.00002 |
| 4 | 1.03975 | -0.00103 | -0.00002 | 0.00104 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1100 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 896 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 896 | 649 | 247 | 27.57 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 8164.680 | 8156.402 |
| AIC | 8164.680 | 8162.402 |
| SBC | 8164.680 | 8175.829 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 8.2775 | 3 | 0.0406 |
| Score | 8.2417 | 3 | 0.0413 |
| Wald | 8.2276 | 3 | 0.0415 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.15849 | 0.08073 | 3.8544 | 0.0496 | 0.853 |
| M_cont | 1 | -0.06893 | 0.03787 | 3.3135 | 0.0687 | 0.933 |
| C | 1 | -0.00382 | 0.03982 | 0.0092 | 0.9235 | 0.996 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0065169489 | -.0003830125 | 0.0001895104 |
| M_cont | -.0003830125 | 0.0014340222 | -.0001598876 |
| C | 0.0001895104 | -.0001598876 | 0.0015858239 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 0.99691 | -0.13086 | 0.20250 | 0.12897 |
| 2 | 0.99691 | 0.00268 | -0.00174 | -0.00094 |
| 3 | 0.99691 | -0.00174 | 0.00406 | 0.00001 |
| 4 | 0.99691 | -0.00094 | 0.00001 | 0.00093 |

The PHREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Dependent Variable | Ycen_noint |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Ties Handling | BRESLOW |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 87914 |

| Summary of the Number of Event and Censored Values | | | |
|---|---|---|---|
| Total | Event | Censored | Percent Censored |
| 87914 | 64261 | 23653 | 26.90 |

| Convergence Status |
|---|
| Convergence criterion (GCONV=1E-8) satisfied. |

| Model Fit Statistics | | |
|---|---|---|
| Criterion | Without Covariates | With Covariates |
| -2 LOG L | 1396825.7 | 1395707.4 |
| AIC | 1396825.7 | 1395713.4 |
| SBC | 1396825.7 | 1395740.6 |

| Testing Global Null Hypothesis: BETA=0 | | | |
|---|---|---|---|
| Test | Chi-Square | DF | Pr > ChiSq |
| Likelihood Ratio | 1118.3664 | 3 | <.0001 |
| Score | 1117.3549 | 3 | <.0001 |
| Wald | 1117.3769 | 3 | <.0001 |

| Analysis of Maximum Likelihood Estimates | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | DF | Parameter Estimate | Standard Error | Chi-Square | Pr > ChiSq | Hazard Ratio |
| A | 1 | -0.12878 | 0.00809 | 253.4294 | <.0001 | 0.879 |
| M_cont | 1 | -0.07803 | 0.00362 | 465.5665 | <.0001 | 0.925 |
| C | 1 | -0.06368 | 0.00409 | 242.0158 | <.0001 | 0.938 |

| Estimated Covariance Matrix | | | |
|---|---|---|---|
| Parameter | A | M_cont | C |
| A | 0.0000654367 | -.0000029934 | 0.0000010981 |
| M_cont | -.0000029934 | 0.0000130795 | -.0000017676 |
| C | 0.0000010981 | -.0000017676 | 0.0000167569 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3513.01440 | 1756.50720 | 1601.39 | <.0001 |
| Error | 99997 | 109683 | 1.09686 | | |
| Corrected Total | 99999 | 113196 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04731 | R-Square | 0.0310 |
| Dependent Mean | 0.07176 | Adj R-Sq | 0.0310 |
| Coeff Var | 1459.49584 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.16802 | 0.00550 | -30.56 | <.0001 |
| A | 1 | 0.16585 | 0.00670 | 24.75 | <.0001 |
| C | 1 | 0.16480 | 0.00322 | 51.14 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04731 | -0.16802 | 0.16585 | 0.16480 |
| 2 | 1.04731 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.04731 | -0.00002 | 0.00004 | 0.00000 |
| 4 | 1.04731 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0.88099 | 0.067248 | 0.73832 | 1.00870 |
| 2 | nie | 0.98739 | 0.007410 | 0.97035 | 0.99885 |
| 3 | total effect | 0.86986 | 0.066532 | 0.73148 | 0.99352 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 0 | 0 | 0 | 0 |
| 2 | nie | 0 | 0 | 0 | 0 |
| 3 | total effect | 0 | 0 | 0 | 0 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 881 |
| Noncensored Values | 646 |
| Right Censored Values | 235 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1268.422356 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 881 |
| Missing Values | 119 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2536.845 |
| AIC (smaller is better) | 2546.845 |
| AICC (smaller is better) | 2546.913 |
| BIC (smaller is better) | 2570.750 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2538.59 |
| Weibull AIC (smaller is better) | -2528.59 |
| Weibull AICC (smaller is better) | -2528.52 |
| Weibull BIC (smaller is better) | -2504.69 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.1677 | 0.0751 |
| M_cont | 1 | 3.6616 | 0.0557 |
| C | 1 | 2.6289 | 0.1049 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0907 | 0.0624 | -3.2131 | -2.9684 | 2451.16 | <.0001 |
| A | 1 | 0.1299 | 0.0730 | -0.0131 | 0.2729 | 3.17 | 0.0751 |
| M_cont | 1 | 0.0622 | 0.0325 | -0.0015 | 0.1260 | 3.66 | 0.0557 |
| C | 1 | 0.0600 | 0.0370 | -0.0125 | 0.1325 | 2.63 | 0.1049 |
| Scale | 1 | 0.9045 | 0.0312 | 0.8453 | 0.9678 | | |
| Weibull Shape | 1 | 1.1056 | 0.0382 | 1.0333 | 1.1830 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003897 | -0.002224 | 0.000189 | -0.001557 | -0.000005452 |
| A | -0.002224 | 0.005326 | -0.000246 | 0.000085434 | 0.000077992 |
| M_cont | 0.000189 | -0.000246 | 0.001058 | -0.000150 | 0.000039250 |
| C | -0.001557 | 0.000085434 | -0.000150 | 0.001368 | 0.000029535 |
| Scale | -0.000005452 | 0.000077992 | 0.000039250 | 0.000029535 | 0.000974 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 1000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 36.70777 | 18.35388 | 16.67 | <.0001 |
| Error | 997 | 1097.64333 | 1.10095 | | |
| Corrected Total | 999 | 1134.35110 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.04926 | R-Square | 0.0324 |
| Dependent Mean | 0.06887 | Adj R-Sq | 0.0304 |
| Coeff Var | 1523.46932 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17686 | 0.05518 | -3.20 | 0.0014 |
| A | 1 | 0.16769 | 0.06710 | 2.50 | 0.0126 |
| C | 1 | 0.16923 | 0.03240 | 5.22 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04926 | -0.17686 | 0.16769 | 0.16923 |
| 2 | 1.04926 | 0.00305 | -0.00193 | -0.00109 |
| 3 | 1.04926 | -0.00193 | 0.00450 | 0.00002 |
| 4 | 1.04926 | -0.00109 | 0.00002 | 0.00105 |

| Obs | Effect | Estimate | p_value | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 1.13870 | 0.07511 | 0.98693 | 1.31381 |
| 2 | nie | 1.01049 | 0.12869 | 0.99698 | 1.02419 |
| 3 | total effect | 1.15065 | 0.05370 | 0.99776 | 1.32696 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA11 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 885 |
| Noncensored Values | 653 |
| Right Censored Values | 232 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1245.923798 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |
| Missing Values | 115 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2491.848 |
| AIC (smaller is better) | 2501.848 |
| AICC (smaller is better) | 2501.916 |
| BIC (smaller is better) | 2525.776 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2558.41 |
| Weibull AIC (smaller is better) | -2548.41 |
| Weibull AICC (smaller is better) | -2548.34 |
| Weibull BIC (smaller is better) | -2524.48 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.5556 | 0.4560 |
| M_cont | 1 | 1.9175 | 0.1661 |
| C | 1 | 1.5790 | 0.2089 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0368 | 0.0636 | -3.1615 | -2.9122 | 2279.58 | <.0001 |
| A | 1 | 0.0517 | 0.0694 | -0.0843 | 0.1878 | 0.56 | 0.4560 |
| M_cont | 1 | 0.0423 | 0.0306 | -0.0176 | 0.1022 | 1.92 | 0.1661 |
| C | 1 | 0.0468 | 0.0372 | -0.0262 | 0.1198 | 1.58 | 0.2089 |
| Scale | 1 | 0.8597 | 0.0295 | 0.8037 | 0.9195 | | |
| Weibull Shape | 1 | 1.1632 | 0.0400 | 1.0875 | 1.2443 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004046 | -0.002387 | 0.000137 | -0.001698 | 0.000023364 |
| A | -0.002387 | 0.004819 | -0.000329 | 0.000343 | 0.000024143 |
| M_cont | 0.000137 | -0.000329 | 0.000933 | -0.000105 | 0.000034119 |
| C | -0.001698 | 0.000343 | -0.000105 | 0.001387 | 0.000011991 |
| Scale | 0.000023364 | 0.000024143 | 0.000034119 | 0.000011991 | 0.000872 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03427 | -0.15180 | 0.22184 | 0.16901 |
| 2 | 1.03427 | 0.00320 | -0.00205 | -0.00120 |
| 3 | 1.03427 | -0.00205 | 0.00437 | 0.00014 |
| 4 | 1.03427 | -0.00120 | 0.00014 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA12 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 894 |
| Noncensored Values | 656 |
| Right Censored Values | 238 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1321.27959 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 894 |
| Missing Values | 106 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2642.559 |
| AIC (smaller is better) | 2652.559 |
| AICC (smaller is better) | 2652.627 |
| BIC (smaller is better) | 2676.538 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2595.21 |
| Weibull AIC (smaller is better) | -2585.21 |
| Weibull AICC (smaller is better) | -2585.14 |
| Weibull BIC (smaller is better) | -2561.23 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.4205 | 0.0021 |
| M_cont | 1 | 3.4875 | 0.0618 |
| C | 1 | 0.0073 | 0.9317 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0760 | 0.0642 | -3.2018 | -2.9502 | 2297.54 | <.0001 |
| A | 1 | 0.2358 | 0.0768 | 0.0852 | 0.3864 | 9.42 | 0.0021 |
| M_cont | 1 | 0.0611 | 0.0327 | -0.0030 | 0.1251 | 3.49 | 0.0618 |
| C | 1 | 0.0033 | 0.0385 | -0.0722 | 0.0788 | 0.01 | 0.9317 |
| Scale | 1 | 0.9525 | 0.0327 | 0.8906 | 1.0188 | | |
| Weibull Shape | 1 | 1.0498 | 0.0360 | 0.9816 | 1.1229 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004118 | -0.002363 | 0.000235 | -0.001667 | 0.000004136 |
| A | -0.002363 | 0.005902 | -0.000166 | 0.000101 | 0.000160 |
| M_cont | 0.000235 | -0.000166 | 0.001069 | -0.000184 | 0.000046152 |
| C | -0.001667 | 0.000101 | -0.000184 | 0.001486 | -0.000000183 |
| Scale | 0.000004136 | 0.000160 | 0.000046152 | -0.000000183 | 0.001068 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06785 | -0.20721 | 0.096975 | 0.20332 |
| 2 | 1.06785 | 0.00306 | -0.001982 | -0.00110 |
| 3 | 1.06785 | -0.00198 | 0.004678 | 0.00001 |
| 4 | 1.06785 | -0.00110 | 0.000012 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA13 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 902 |
| Noncensored Values | 664 |
| Right Censored Values | 238 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1296.436736 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 902 |
| Missing Values | 98 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2592.873 |
| AIC (smaller is better) | 2602.873 |
| AICC (smaller is better) | 2602.940 |
| BIC (smaller is better) | 2626.897 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2604.55 |
| Weibull AIC (smaller is better) | -2594.55 |
| Weibull AICC (smaller is better) | -2594.48 |
| Weibull BIC (smaller is better) | -2570.53 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.4420 | 0.0636 |
| M_cont | 1 | 5.7012 | 0.0170 |
| C | 1 | 0.7009 | 0.4025 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0562 | 0.0604 | -3.1745 | -2.9380 | 2564.20 | <.0001 |
| A | 1 | 0.1340 | 0.0722 | -0.0076 | 0.2755 | 3.44 | 0.0636 |
| M_cont | 1 | 0.0766 | 0.0321 | 0.0137 | 0.1395 | 5.70 | 0.0170 |
| C | 1 | 0.0305 | 0.0364 | -0.0409 | 0.1019 | 0.70 | 0.4025 |
| Scale | 1 | 0.8957 | 0.0306 | 0.8377 | 0.9578 | | |
| Weibull Shape | 1 | 1.1164 | 0.0382 | 1.0441 | 1.1938 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003643 | -0.002062 | 0.000221 | -0.001482 | -0.000000300 |
| A | -0.002062 | 0.005215 | -0.000364 | 0.000057147 | 0.000099802 |
| M_cont | 0.000221 | -0.000364 | 0.001029 | -0.000163 | 0.000043078 |
| C | -0.001482 | 0.000057147 | -0.000163 | 0.001327 | 0.000013859 |
| Scale | -0.000000300 | 0.000099802 | 0.000043078 | 0.000013859 | 0.000937 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04486 | -0.18901 | 0.30529 | 0.17183 |
| 2 | 1.04486 | 0.00303 | -0.00184 | -0.00111 |
| 3 | 1.04486 | -0.00184 | 0.00450 | -0.00002 |
| 4 | 1.04486 | -0.00111 | -0.00002 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA14 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 896 |
| Noncensored Values | 664 |
| Right Censored Values | 232 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1293.601671 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 896 |
| Missing Values | 104 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2587.203 |
| AIC (smaller is better) | 2597.203 |
| AICC (smaller is better) | 2597.271 |
| BIC (smaller is better) | 2621.193 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2631.70 |
| Weibull AIC (smaller is better) | -2621.70 |
| Weibull AICC (smaller is better) | -2621.63 |
| Weibull BIC (smaller is better) | -2597.71 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 13.0855 | 0.0003 |
| M_cont | 1 | 2.2686 | 0.1320 |
| C | 1 | 1.3943 | 0.2377 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1448 | 0.0633 | -3.2688 | -3.0208 | 2470.01 | <.0001 |
| A | 1 | 0.2626 | 0.0726 | 0.1203 | 0.4049 | 13.09 | 0.0003 |
| M_cont | 1 | 0.0504 | 0.0335 | -0.0152 | 0.1160 | 2.27 | 0.1320 |
| C | 1 | 0.0443 | 0.0375 | -0.0292 | 0.1178 | 1.39 | 0.2377 |
| Scale | 1 | 0.9079 | 0.0308 | 0.8494 | 0.9705 | | |
| Weibull Shape | 1 | 1.1014 | 0.0374 | 1.0304 | 1.1772 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004004 | -0.002057 | 0.000039834 | -0.001655 | -0.000064442 |
| A | -0.002057 | 0.005269 | -0.000209 | 0.000013550 | 0.000173 |
| M_cont | 0.000039834 | -0.000209 | 0.001120 | -0.000102 | 0.000030783 |
| C | -0.001655 | 0.000013550 | -0.000102 | 0.001407 | 0.000029081 |
| Scale | -0.000064442 | 0.000173 | 0.000030783 | 0.000029081 | 0.000952 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03523 | -0.11917 | 0.095736 | 0.17511 |
| 2 | 1.03523 | 0.00312 | -0.001893 | -0.00114 |
| 3 | 1.03523 | -0.00189 | 0.004358 | -0.00001 |
| 4 | 1.03523 | -0.00114 | -0.000007 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA15 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 640 |
| Right Censored Values | 233 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1272.524445 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2545.049 |
| AIC (smaller is better) | 2555.049 |
| AICC (smaller is better) | 2555.118 |
| BIC (smaller is better) | 2578.909 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2532.17 |
| Weibull AIC (smaller is better) | -2522.17 |
| Weibull AICC (smaller is better) | -2522.10 |
| Weibull BIC (smaller is better) | -2498.31 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.4220 | 0.0643 |
| M_cont | 1 | 3.6281 | 0.0568 |
| C | 1 | 1.7146 | 0.1904 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0986 | 0.0650 | -3.2260 | -2.9712 | 2272.62 | <.0001 |
| A | 1 | 0.1395 | 0.0754 | -0.0083 | 0.2873 | 3.42 | 0.0643 |
| M_cont | 1 | 0.0657 | 0.0345 | -0.0019 | 0.1333 | 3.63 | 0.0568 |
| C | 1 | 0.0498 | 0.0380 | -0.0247 | 0.1243 | 1.71 | 0.1904 |
| Scale | 1 | 0.9301 | 0.0322 | 0.8692 | 0.9954 | | |
| Weibull Shape | 1 | 1.0751 | 0.0372 | 1.0047 | 1.1505 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004225 | -0.002422 | 0.000108 | -0.001692 | 0.000000290 |
| A | -0.002422 | 0.005686 | -0.000097888 | 0.000166 | 0.000085869 |
| M_cont | 0.000108 | -0.000097888 | 0.001191 | -0.000167 | 0.000037068 |
| C | -0.001692 | 0.000166 | -0.000167 | 0.001444 | 0.000021782 |
| Scale | 0.000000290 | 0.000085869 | 0.000037068 | 0.000021782 | 0.001035 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02803 | -0.10713 | 0.076088 | 0.17560 |
| 2 | 1.02803 | 0.00291 | -0.001903 | -0.00101 |
| 3 | 1.02803 | -0.00190 | 0.004335 | 0.00007 |
| 4 | 1.02803 | -0.00101 | 0.000067 | 0.00095 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA16 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 884 |
| Noncensored Values | 633 |
| Right Censored Values | 251 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1238.417982 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |
| Missing Values | 116 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2476.836 |
| AIC (smaller is better) | 2486.836 |
| AICC (smaller is better) | 2486.904 |
| BIC (smaller is better) | 2510.758 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2407.14 |
| Weibull AIC (smaller is better) | -2397.14 |
| Weibull AICC (smaller is better) | -2397.08 |
| Weibull BIC (smaller is better) | -2373.22 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0003 | 0.9871 |
| M_cont | 1 | 1.9951 | 0.1578 |
| C | 1 | 1.6465 | 0.1994 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9657 | 0.0625 | -3.0881 | -2.8433 | 2254.69 | <.0001 |
| A | 1 | 0.0012 | 0.0713 | -0.1386 | 0.1409 | 0.00 | 0.9871 |
| M_cont | 1 | 0.0458 | 0.0324 | -0.0177 | 0.1093 | 2.00 | 0.1578 |
| C | 1 | 0.0460 | 0.0358 | -0.0243 | 0.1162 | 1.65 | 0.1994 |
| Scale | 1 | 0.8671 | 0.0304 | 0.8095 | 0.9288 | | |
| Weibull Shape | 1 | 1.1533 | 0.0405 | 1.0766 | 1.2354 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003901 | -0.002148 | 0.000282 | -0.001526 | 0.000075471 |
| A | -0.002148 | 0.005082 | -0.000486 | 0.000030881 | -0.000006362 |
| M_cont | 0.000282 | -0.000486 | 0.001050 | -0.000165 | 0.000031200 |
| C | -0.001526 | 0.000030881 | -0.000165 | 0.001284 | 0.000012706 |
| Scale | 0.000075471 | -0.000006362 | 0.000031200 | 0.000012706 | 0.000925 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02669 | -0.27311 | 0.32385 | 0.20659 |
| 2 | 1.02669 | 0.00303 | -0.00184 | -0.00109 |
| 3 | 1.02669 | -0.00184 | 0.00431 | 0.00000 |
| 4 | 1.02669 | -0.00109 | 0.00000 | 0.00100 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA17 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 885 |
| Noncensored Values | 653 |
| Right Censored Values | 232 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1269.060929 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |
| Missing Values | 115 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2538.122 |
| AIC (smaller is better) | 2548.122 |
| AICC (smaller is better) | 2548.190 |
| BIC (smaller is better) | 2572.050 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2582.13 |
| Weibull AIC (smaller is better) | -2572.13 |
| Weibull AICC (smaller is better) | -2572.06 |
| Weibull BIC (smaller is better) | -2548.20 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.8837 | 0.0050 |
| M_cont | 1 | 5.4319 | 0.0198 |
| C | 1 | 0.6567 | 0.4177 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0992 | 0.0628 | -3.2223 | -2.9761 | 2436.06 | <.0001 |
| A | 1 | 0.2031 | 0.0723 | 0.0613 | 0.3448 | 7.88 | 0.0050 |
| M_cont | 1 | 0.0750 | 0.0322 | 0.0119 | 0.1381 | 5.43 | 0.0198 |
| C | 1 | 0.0289 | 0.0356 | -0.0410 | 0.0987 | 0.66 | 0.4177 |
| Scale | 1 | 0.8947 | 0.0307 | 0.8366 | 0.9569 | | |
| Weibull Shape | 1 | 1.1177 | 0.0383 | 1.0450 | 1.1954 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003943 | -0.002244 | 0.000160 | -0.001558 | -0.000015987 |
| A | -0.002244 | 0.005231 | -0.000275 | 0.000172 | 0.000128 |
| M_cont | 0.000160 | -0.000275 | 0.001036 | -0.000129 | 0.000044519 |
| C | -0.001558 | 0.000172 | -0.000129 | 0.001270 | 0.000010230 |
| Scale | -0.000015987 | 0.000128 | 0.000044519 | 0.000010230 | 0.000942 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05922 | -0.15565 | 0.16766 | 0.17736 |
| 2 | 1.05922 | 0.00330 | -0.00207 | -0.00119 |
| 3 | 1.05922 | -0.00207 | 0.00458 | 0.00009 |
| 4 | 1.05922 | -0.00119 | 0.00009 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA18 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 899 |
| Noncensored Values | 653 |
| Right Censored Values | 246 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1289.42309 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 899 |
| Missing Values | 101 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2578.846 |
| AIC (smaller is better) | 2588.846 |
| AICC (smaller is better) | 2588.913 |
| BIC (smaller is better) | 2612.853 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2546.77 |
| Weibull AIC (smaller is better) | -2536.77 |
| Weibull AICC (smaller is better) | -2536.70 |
| Weibull BIC (smaller is better) | -2512.76 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 10.1044 | 0.0015 |
| M_cont | 1 | 0.0438 | 0.8343 |
| C | 1 | 0.5408 | 0.4621 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0682 | 0.0596 | -3.1851 | -2.9514 | 2649.41 | <.0001 |
| A | 1 | 0.2340 | 0.0736 | 0.0897 | 0.3783 | 10.10 | 0.0015 |
| M_cont | 1 | -0.0068 | 0.0324 | -0.0703 | 0.0567 | 0.04 | 0.8343 |
| C | 1 | 0.0261 | 0.0355 | -0.0435 | 0.0957 | 0.54 | 0.4621 |
| Scale | 1 | 0.9042 | 0.0311 | 0.8453 | 0.9672 | | |
| Weibull Shape | 1 | 1.1060 | 0.0380 | 1.0339 | 1.1831 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003553 | -0.001914 | 0.000071229 | -0.001399 | 0.000012705 |
| A | -0.001914 | 0.005419 | -0.000192 | -0.000053725 | 0.000141 |
| M_cont | 0.000071229 | -0.000192 | 0.001049 | -0.000144 | -0.000013570 |
| C | -0.001399 | -0.000053725 | -0.000144 | 0.001262 | 0.000008473 |
| Scale | 0.000012705 | 0.000141 | -0.000013570 | 0.000008473 | 0.000967 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05744 | -0.15520 | 0.13985 | 0.19470 |
| 2 | 1.05744 | 0.00303 | -0.00182 | -0.00107 |
| 3 | 1.05744 | -0.00182 | 0.00462 | -0.00008 |
| 4 | 1.05744 | -0.00107 | -0.00008 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA19 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 865 |
| Noncensored Values | 633 |
| Right Censored Values | 232 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1275.104709 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 865 |
| Missing Values | 135 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2550.209 |
| AIC (smaller is better) | 2560.209 |
| AICC (smaller is better) | 2560.279 |
| BIC (smaller is better) | 2584.023 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2509.39 |
| Weibull AIC (smaller is better) | -2499.39 |
| Weibull AICC (smaller is better) | -2499.32 |
| Weibull BIC (smaller is better) | -2475.58 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 11.4715 | 0.0007 |
| M_cont | 1 | 4.5759 | 0.0324 |
| C | 1 | 0.0227 | 0.8804 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1021 | 0.0674 | -3.2343 | -2.9699 | 2115.51 | <.0001 |
| A | 1 | 0.2664 | 0.0787 | 0.1122 | 0.4206 | 11.47 | 0.0007 |
| M_cont | 1 | 0.0744 | 0.0348 | 0.0062 | 0.1425 | 4.58 | 0.0324 |
| C | 1 | 0.0061 | 0.0406 | -0.0734 | 0.0856 | 0.02 | 0.8804 |
| Scale | 1 | 0.9516 | 0.0331 | 0.8888 | 1.0189 | | |
| Weibull Shape | 1 | 1.0508 | 0.0366 | 0.9815 | 1.1251 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004549 | -0.002327 | 0.000129 | -0.001922 | 0.000001575 |
| A | -0.002327 | 0.006187 | -0.000303 | 0.000028341 | 0.000186 |
| M_cont | 0.000129 | -0.000303 | 0.001208 | -0.000148 | 0.000031649 |
| C | -0.001922 | 0.000028341 | -0.000148 | 0.001647 | -0.000005076 |
| Scale | 0.000001575 | 0.000186 | 0.000031649 | -0.000005076 | 0.001099 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05324 | -0.10719 | 0.19896 | 0.13698 |
| 2 | 1.05324 | 0.00319 | -0.00200 | -0.00119 |
| 3 | 1.05324 | -0.00200 | 0.00453 | 0.00006 |
| 4 | 1.05324 | -0.00119 | 0.00006 | 0.00113 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA110 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 884 |
| Noncensored Values | 658 |
| Right Censored Values | 226 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1265.448564 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |
| Missing Values | 116 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2530.897 |
| AIC (smaller is better) | 2540.897 |
| AICC (smaller is better) | 2540.965 |
| BIC (smaller is better) | 2564.819 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2610.82 |
| Weibull AIC (smaller is better) | -2600.82 |
| Weibull AICC (smaller is better) | -2600.75 |
| Weibull BIC (smaller is better) | -2576.90 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.9625 | 0.0465 |
| M_cont | 1 | 3.8199 | 0.0506 |
| C | 1 | 1.8797 | 0.1704 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0950 | 0.0610 | -3.2146 | -2.9754 | 2572.43 | <.0001 |
| A | 1 | 0.1458 | 0.0733 | 0.0022 | 0.2894 | 3.96 | 0.0465 |
| M_cont | 1 | 0.0612 | 0.0313 | -0.0002 | 0.1226 | 3.82 | 0.0506 |
| C | 1 | 0.0507 | 0.0370 | -0.0218 | 0.1232 | 1.88 | 0.1704 |
| Scale | 1 | 0.8894 | 0.0304 | 0.8318 | 0.9509 | | |
| Weibull Shape | 1 | 1.1244 | 0.0384 | 1.0516 | 1.2022 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003724 | -0.001937 | 0.000185 | -0.001596 | -0.000028422 |
| A | -0.001937 | 0.005366 | -0.000288 | 0.000055060 | 0.000106 |
| M_cont | 0.000185 | -0.000288 | 0.000981 | -0.000113 | 0.000036088 |
| C | -0.001596 | 0.000055060 | -0.000113 | 0.001367 | 0.000022789 |
| Scale | -0.000028422 | 0.000106 | 0.000036088 | 0.000022789 | 0.000922 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07166 | -0.19895 | 0.21853 | 0.17495 |
| 2 | 1.07166 | 0.00309 | -0.00183 | -0.00116 |
| 3 | 1.07166 | -0.00183 | 0.00486 | -0.00003 |
| 4 | 1.07166 | -0.00116 | -0.00003 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA111 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 866 |
| Noncensored Values | 642 |
| Right Censored Values | 224 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1256.408032 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 866 |
| Missing Values | 134 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2512.816 |
| AIC (smaller is better) | 2522.816 |
| AICC (smaller is better) | 2522.886 |
| BIC (smaller is better) | 2546.635 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2569.83 |
| Weibull AIC (smaller is better) | -2559.83 |
| Weibull AICC (smaller is better) | -2559.76 |
| Weibull BIC (smaller is better) | -2536.01 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.0830 | 0.0242 |
| M_cont | 1 | 3.3882 | 0.0657 |
| C | 1 | 5.3537 | 0.0207 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1661 | 0.0622 | -3.2879 | -3.0442 | 2594.81 | <.0001 |
| A | 1 | 0.1684 | 0.0747 | 0.0220 | 0.3147 | 5.08 | 0.0242 |
| M_cont | 1 | 0.0601 | 0.0327 | -0.0039 | 0.1242 | 3.39 | 0.0657 |
| C | 1 | 0.0827 | 0.0358 | 0.0127 | 0.1528 | 5.35 | 0.0207 |
| Scale | 1 | 0.9140 | 0.0315 | 0.8542 | 0.9779 | | |
| Weibull Shape | 1 | 1.0941 | 0.0377 | 1.0226 | 1.1707 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003863 | -0.002277 | 0.000136 | -0.001493 | -0.000054846 |
| A | -0.002277 | 0.005577 | -0.000263 | 0.000134 | 0.000112 |
| M_cont | 0.000136 | -0.000263 | 0.001067 | -0.000113 | 0.000040816 |
| C | -0.001493 | 0.000134 | -0.000113 | 0.001279 | 0.000047973 |
| Scale | -0.000054846 | 0.000112 | 0.000040816 | 0.000047973 | 0.000994 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05815 | -0.10807 | 0.10482 | 0.12507 |
| 2 | 1.05815 | 0.00314 | -0.00207 | -0.00108 |
| 3 | 1.05815 | -0.00207 | 0.00460 | 0.00012 |
| 4 | 1.05815 | -0.00108 | 0.00012 | 0.00098 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA112 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 882 |
| Noncensored Values | 636 |
| Right Censored Values | 246 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1306.968157 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |
| Missing Values | 118 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2613.936 |
| AIC (smaller is better) | 2623.936 |
| AICC (smaller is better) | 2624.005 |
| BIC (smaller is better) | 2647.847 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2483.79 |
| Weibull AIC (smaller is better) | -2473.79 |
| Weibull AICC (smaller is better) | -2473.72 |
| Weibull BIC (smaller is better) | -2449.88 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.1689 | 0.6811 |
| M_cont | 1 | 9.9758 | 0.0016 |
| C | 1 | 3.7635 | 0.0524 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0502 | 0.0665 | -3.1806 | -2.9197 | 2101.48 | <.0001 |
| A | 1 | 0.0325 | 0.0791 | -0.1225 | 0.1875 | 0.17 | 0.6811 |
| M_cont | 1 | 0.1152 | 0.0365 | 0.0437 | 0.1867 | 9.98 | 0.0016 |
| C | 1 | 0.0772 | 0.0398 | -0.0008 | 0.1552 | 3.76 | 0.0524 |
| Scale | 1 | 0.9736 | 0.0340 | 0.9093 | 1.0425 | | |
| Weibull Shape | 1 | 1.0271 | 0.0358 | 0.9592 | 1.0997 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004427 | -0.002692 | 0.000286 | -0.001702 | 0.000044465 |
| A | -0.002692 | 0.006255 | -0.000421 | 0.000063608 | 0.000009667 |
| M_cont | 0.000286 | -0.000421 | 0.001331 | -0.000098762 | 0.000084633 |
| C | -0.001702 | 0.000063608 | -0.000098762 | 0.001584 | 0.000042957 |
| Scale | 0.000044465 | 0.000009667 | 0.000084633 | 0.000042957 | 0.001153 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03732 | -0.21589 | 0.18383 | 0.15824 |
| 2 | 1.03732 | 0.00277 | -0.00178 | -0.00095 |
| 3 | 1.03732 | -0.00178 | 0.00441 | -0.00010 |
| 4 | 1.03732 | -0.00095 | -0.00010 | 0.00101 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA113 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 639 |
| Right Censored Values | 235 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1280.915892 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2561.832 |
| AIC (smaller is better) | 2571.832 |
| AICC (smaller is better) | 2571.901 |
| BIC (smaller is better) | 2595.697 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2522.07 |
| Weibull AIC (smaller is better) | -2512.07 |
| Weibull AICC (smaller is better) | -2512.00 |
| Weibull BIC (smaller is better) | -2488.20 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0659 | 0.7974 |
| M_cont | 1 | 1.8226 | 0.1770 |
| C | 1 | 5.6202 | 0.0178 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0933 | 0.0653 | -3.2212 | -2.9653 | 2243.54 | <.0001 |
| A | 1 | 0.0195 | 0.0759 | -0.1293 | 0.1683 | 0.07 | 0.7974 |
| M_cont | 1 | 0.0456 | 0.0338 | -0.0206 | 0.1117 | 1.82 | 0.1770 |
| C | 1 | 0.0928 | 0.0391 | 0.0161 | 0.1695 | 5.62 | 0.0178 |
| Scale | 1 | 0.9401 | 0.0326 | 0.8784 | 1.0061 | | |
| Weibull Shape | 1 | 1.0637 | 0.0369 | 0.9939 | 1.1385 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004265 | -0.002351 | 0.000142 | -0.001699 | 0.000008363 |
| A | -0.002351 | 0.005763 | -0.000292 | -0.000020504 | 0.000017121 |
| M_cont | 0.000142 | -0.000292 | 0.001139 | -0.000128 | 0.000022949 |
| C | -0.001699 | -0.000020504 | -0.000128 | 0.001531 | 0.000046438 |
| Scale | 0.000008363 | 0.000017121 | 0.000022949 | 0.000046438 | 0.001061 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06032 | -0.10785 | 0.13232 | 0.13715 |
| 2 | 1.06032 | 0.00315 | -0.00202 | -0.00112 |
| 3 | 1.06032 | -0.00202 | 0.00458 | 0.00004 |
| 4 | 1.06032 | -0.00112 | 0.00004 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA114 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 646 |
| Right Censored Values | 227 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1271.057686 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2542.115 |
| AIC (smaller is better) | 2552.115 |
| AICC (smaller is better) | 2552.185 |
| BIC (smaller is better) | 2575.975 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2597.23 |
| Weibull AIC (smaller is better) | -2587.23 |
| Weibull AICC (smaller is better) | -2587.17 |
| Weibull BIC (smaller is better) | -2563.37 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.3888 | 0.0066 |
| M_cont | 1 | 8.2849 | 0.0040 |
| C | 1 | 3.6272 | 0.0568 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1723 | 0.0622 | -3.2943 | -3.0503 | 2598.04 | <.0001 |
| A | 1 | 0.2046 | 0.0753 | 0.0571 | 0.3521 | 7.39 | 0.0066 |
| M_cont | 1 | 0.0899 | 0.0312 | 0.0287 | 0.1511 | 8.28 | 0.0040 |
| C | 1 | 0.0745 | 0.0391 | -0.0022 | 0.1512 | 3.63 | 0.0568 |
| Scale | 1 | 0.9258 | 0.0317 | 0.8657 | 0.9901 | | |
| Weibull Shape | 1 | 1.0801 | 0.0370 | 1.0100 | 1.1551 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003873 | -0.002185 | 0.000209 | -0.001619 | -0.000033816 |
| A | -0.002185 | 0.005664 | -0.000211 | 0.000014830 | 0.000112 |
| M_cont | 0.000209 | -0.000211 | 0.000975 | -0.000157 | 0.000065896 |
| C | -0.001619 | 0.000014830 | -0.000157 | 0.001531 | 0.000030714 |
| Scale | -0.000033816 | 0.000112 | 0.000065896 | 0.000030714 | 0.001005 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07463 | -0.20757 | 0.19337 | 0.18258 |
| 2 | 1.07463 | 0.00312 | -0.00197 | -0.00117 |
| 3 | 1.07463 | -0.00197 | 0.00478 | 0.00001 |
| 4 | 1.07463 | -0.00117 | 0.00001 | 0.00118 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA115 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 877 |
| Noncensored Values | 666 |
| Right Censored Values | 211 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1313.695548 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |
| Missing Values | 123 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2627.391 |
| AIC (smaller is better) | 2637.391 |
| AICC (smaller is better) | 2637.460 |
| BIC (smaller is better) | 2661.274 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2727.06 |
| Weibull AIC (smaller is better) | -2717.06 |
| Weibull AICC (smaller is better) | -2716.99 |
| Weibull BIC (smaller is better) | -2693.17 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.4983 | 0.0339 |
| M_cont | 1 | 5.3624 | 0.0206 |
| C | 1 | 0.2609 | 0.6095 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1381 | 0.0656 | -3.2666 | -3.0096 | 2290.33 | <.0001 |
| A | 1 | 0.1613 | 0.0760 | 0.0122 | 0.3103 | 4.50 | 0.0339 |
| M_cont | 1 | 0.0774 | 0.0334 | 0.0119 | 0.1429 | 5.36 | 0.0206 |
| C | 1 | 0.0196 | 0.0385 | -0.0557 | 0.0950 | 0.26 | 0.6095 |
| Scale | 1 | 0.9560 | 0.0324 | 0.8946 | 1.0216 | | |
| Weibull Shape | 1 | 1.0460 | 0.0354 | 0.9788 | 1.1178 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004300 | -0.002447 | 0.000202 | -0.001708 | -0.000023869 |
| A | -0.002447 | 0.005783 | -0.000317 | 0.000086764 | 0.000091607 |
| M_cont | 0.000202 | -0.000317 | 0.001117 | -0.000099138 | 0.000051962 |
| C | -0.001708 | 0.000086764 | -0.000099138 | 0.001479 | 0.000002549 |
| Scale | -0.000023869 | 0.000091607 | 0.000051962 | 0.000002549 | 0.001048 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07051 | -0.12315 | 0.12673 | 0.10654 |
| 2 | 1.07051 | 0.00317 | -0.00206 | -0.00109 |
| 3 | 1.07051 | -0.00206 | 0.00464 | -0.00000 |
| 4 | 1.07051 | -0.00109 | -0.00000 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA116 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 890 |
| Noncensored Values | 643 |
| Right Censored Values | 247 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1252.244509 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |
| Missing Values | 110 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2504.489 |
| AIC (smaller is better) | 2514.489 |
| AICC (smaller is better) | 2514.557 |
| BIC (smaller is better) | 2538.445 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2502.39 |
| Weibull AIC (smaller is better) | -2492.39 |
| Weibull AICC (smaller is better) | -2492.33 |
| Weibull BIC (smaller is better) | -2468.44 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.5554 | 0.0184 |
| M_cont | 1 | 8.3643 | 0.0038 |
| C | 1 | 10.3225 | 0.0013 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1435 | 0.0598 | -3.2607 | -3.0264 | 2766.10 | <.0001 |
| A | 1 | 0.1686 | 0.0715 | 0.0284 | 0.3088 | 5.56 | 0.0184 |
| M_cont | 1 | 0.0886 | 0.0306 | 0.0286 | 0.1486 | 8.36 | 0.0038 |
| C | 1 | 0.1152 | 0.0359 | 0.0449 | 0.1856 | 10.32 | 0.0013 |
| Scale | 1 | 0.8794 | 0.0304 | 0.8218 | 0.9411 | | |
| Weibull Shape | 1 | 1.1371 | 0.0393 | 1.0626 | 1.2168 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003572 | -0.002055 | 0.000192 | -0.001443 | -0.000034501 |
| A | -0.002055 | 0.005118 | -0.000136 | 0.000093230 | 0.000094879 |
| M_cont | 0.000192 | -0.000136 | 0.000939 | -0.000165 | 0.000053544 |
| C | -0.001443 | 0.000093230 | -0.000165 | 0.001287 | 0.000059459 |
| Scale | -0.000034501 | 0.000094879 | 0.000053544 | 0.000059459 | 0.000924 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07809 | -0.17371 | 0.13850 | 0.18596 |
| 2 | 1.07809 | 0.00322 | -0.00201 | -0.00117 |
| 3 | 1.07809 | -0.00201 | 0.00479 | 0.00003 |
| 4 | 1.07809 | -0.00117 | 0.00003 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA117 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 885 |
| Noncensored Values | 646 |
| Right Censored Values | 239 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1263.461826 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |
| Missing Values | 115 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2526.924 |
| AIC (smaller is better) | 2536.924 |
| AICC (smaller is better) | 2536.992 |
| BIC (smaller is better) | 2560.852 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2531.89 |
| Weibull AIC (smaller is better) | -2521.89 |
| Weibull AICC (smaller is better) | -2521.83 |
| Weibull BIC (smaller is better) | -2497.97 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0608 | 0.8052 |
| M_cont | 1 | 0.0100 | 0.9205 |
| C | 1 | 0.0009 | 0.9760 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9697 | 0.0638 | -3.0947 | -2.8447 | 2168.80 | <.0001 |
| A | 1 | 0.0176 | 0.0713 | -0.1221 | 0.1572 | 0.06 | 0.8052 |
| M_cont | 1 | 0.0032 | 0.0320 | -0.0595 | 0.0659 | 0.01 | 0.9205 |
| C | 1 | 0.0011 | 0.0373 | -0.0720 | 0.0742 | 0.00 | 0.9760 |
| Scale | 1 | 0.8958 | 0.0308 | 0.8375 | 0.9582 | | |
| Weibull Shape | 1 | 1.1163 | 0.0383 | 1.0436 | 1.1941 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004066 | -0.002350 | 0.000110 | -0.001610 | 0.000082208 |
| A | -0.002350 | 0.005077 | -0.000114 | 0.000129 | -0.000010759 |
| M_cont | 0.000110 | -0.000114 | 0.001024 | -0.000084686 | -0.000001587 |
| C | -0.001610 | 0.000129 | -0.000084686 | 0.001391 | -0.000013526 |
| Scale | 0.000082208 | -0.000010759 | -0.000001587 | -0.000013526 | 0.000947 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06115 | -0.18483 | 0.10854 | 0.14165 |
| 2 | 1.06115 | 0.00323 | -0.00210 | -0.00114 |
| 3 | 1.06115 | -0.00210 | 0.00454 | 0.00003 |
| 4 | 1.06115 | -0.00114 | 0.00003 | 0.00114 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA118 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 877 |
| Noncensored Values | 654 |
| Right Censored Values | 223 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1257.607941 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |
| Missing Values | 123 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2515.216 |
| AIC (smaller is better) | 2525.216 |
| AICC (smaller is better) | 2525.285 |
| BIC (smaller is better) | 2549.098 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2607.53 |
| Weibull AIC (smaller is better) | -2597.53 |
| Weibull AICC (smaller is better) | -2597.46 |
| Weibull BIC (smaller is better) | -2573.65 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.0290 | 0.1543 |
| M_cont | 1 | 3.3392 | 0.0676 |
| C | 1 | 2.8560 | 0.0910 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1001 | 0.0591 | -3.2159 | -2.9843 | 2754.79 | <.0001 |
| A | 1 | 0.1020 | 0.0716 | -0.0384 | 0.2424 | 2.03 | 0.1543 |
| M_cont | 1 | 0.0567 | 0.0310 | -0.0041 | 0.1175 | 3.34 | 0.0676 |
| C | 1 | 0.0591 | 0.0349 | -0.0094 | 0.1275 | 2.86 | 0.0910 |
| Scale | 1 | 0.8881 | 0.0304 | 0.8305 | 0.9497 | | |
| Weibull Shape | 1 | 1.1260 | 0.0385 | 1.0530 | 1.2041 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003489 | -0.002009 | 0.000154 | -0.001358 | -0.000010947 |
| A | -0.002009 | 0.005131 | -0.000237 | 0.000021278 | 0.000050015 |
| M_cont | 0.000154 | -0.000237 | 0.000963 | -0.000105 | 0.000030072 |
| C | -0.001358 | 0.000021278 | -0.000105 | 0.001221 | 0.000025291 |
| Scale | -0.000010947 | 0.000050015 | 0.000030072 | 0.000025291 | 0.000923 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07416 | -0.16678 | 0.17658 | 0.13739 |
| 2 | 1.07416 | 0.00304 | -0.00195 | -0.00107 |
| 3 | 1.07416 | -0.00195 | 0.00476 | -0.00002 |
| 4 | 1.07416 | -0.00107 | -0.00002 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA119 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 899 |
| Noncensored Values | 677 |
| Right Censored Values | 222 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1285.163217 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 899 |
| Missing Values | 101 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2570.326 |
| AIC (smaller is better) | 2580.326 |
| AICC (smaller is better) | 2580.394 |
| BIC (smaller is better) | 2604.333 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2739.36 |
| Weibull AIC (smaller is better) | -2729.36 |
| Weibull AICC (smaller is better) | -2729.29 |
| Weibull BIC (smaller is better) | -2705.35 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.2077 | 0.0073 |
| M_cont | 1 | 6.7980 | 0.0091 |
| C | 1 | 0.6580 | 0.4173 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1258 | 0.0608 | -3.2449 | -3.0067 | 2644.36 | <.0001 |
| A | 1 | 0.1867 | 0.0696 | 0.0504 | 0.3231 | 7.21 | 0.0073 |
| M_cont | 1 | 0.0821 | 0.0315 | 0.0204 | 0.1437 | 6.80 | 0.0091 |
| C | 1 | 0.0284 | 0.0351 | -0.0403 | 0.0972 | 0.66 | 0.4173 |
| Scale | 1 | 0.8779 | 0.0294 | 0.8221 | 0.9375 | | |
| Weibull Shape | 1 | 1.1390 | 0.0382 | 1.0666 | 1.2163 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003695 | -0.002128 | 0.000195 | -0.001495 | -0.000031323 |
| A | -0.002128 | 0.004838 | -0.000149 | 0.000201 | 0.000109 |
| M_cont | 0.000195 | -0.000149 | 0.000990 | -0.000129 | 0.000041398 |
| C | -0.001495 | 0.000201 | -0.000129 | 0.001229 | 0.000010806 |
| Scale | -0.000031323 | 0.000109 | 0.000041398 | 0.000010806 | 0.000865 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03483 | -0.17526 | 0.069860 | 0.15527 |
| 2 | 1.03483 | 0.00315 | -0.002057 | -0.00115 |
| 3 | 1.03483 | -0.00206 | 0.004411 | 0.00017 |
| 4 | 1.03483 | -0.00115 | 0.000173 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA120 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 620 |
| Right Censored Values | 259 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1234.439932 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2468.880 |
| AIC (smaller is better) | 2478.880 |
| AICC (smaller is better) | 2478.949 |
| BIC (smaller is better) | 2502.774 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2351.07 |
| Weibull AIC (smaller is better) | -2341.07 |
| Weibull AICC (smaller is better) | -2341.01 |
| Weibull BIC (smaller is better) | -2317.18 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.3434 | 0.1258 |
| M_cont | 1 | 8.0895 | 0.0045 |
| C | 1 | 4.7567 | 0.0292 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0409 | 0.0627 | -3.1639 | -2.9180 | 2349.08 | <.0001 |
| A | 1 | 0.1116 | 0.0729 | -0.0313 | 0.2544 | 2.34 | 0.1258 |
| M_cont | 1 | 0.0944 | 0.0332 | 0.0294 | 0.1595 | 8.09 | 0.0045 |
| C | 1 | 0.0789 | 0.0362 | 0.0080 | 0.1497 | 4.76 | 0.0292 |
| Scale | 1 | 0.8878 | 0.0314 | 0.8283 | 0.9516 | | |
| Weibull Shape | 1 | 1.1264 | 0.0399 | 1.0509 | 1.2073 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003937 | -0.002405 | 0.000135 | -0.001514 | 0.000017237 |
| A | -0.002405 | 0.005312 | -0.000232 | 0.000196 | 0.000072781 |
| M_cont | 0.000135 | -0.000232 | 0.001102 | -0.000090225 | 0.000064595 |
| C | -0.001514 | 0.000196 | -0.000090225 | 0.001308 | 0.000051715 |
| Scale | 0.000017237 | 0.000072781 | 0.000064595 | 0.000051715 | 0.000987 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04895 | -0.14513 | 0.14890 | 0.14245 |
| 2 | 1.04895 | 0.00305 | -0.00193 | -0.00109 |
| 3 | 1.04895 | -0.00193 | 0.00450 | 0.00001 |
| 4 | 1.04895 | -0.00109 | 0.00001 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA121 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 867 |
| Noncensored Values | 631 |
| Right Censored Values | 236 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1217.103245 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 867 |
| Missing Values | 133 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2434.206 |
| AIC (smaller is better) | 2444.206 |
| AICC (smaller is better) | 2444.276 |
| BIC (smaller is better) | 2468.032 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2454.51 |
| Weibull AIC (smaller is better) | -2444.51 |
| Weibull AICC (smaller is better) | -2444.44 |
| Weibull BIC (smaller is better) | -2420.68 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.8164 | 0.3662 |
| M_cont | 1 | 12.6346 | 0.0004 |
| C | 1 | 0.8872 | 0.3462 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0099 | 0.0626 | -3.1326 | -2.8873 | 2315.14 | <.0001 |
| A | 1 | 0.0639 | 0.0708 | -0.0747 | 0.2026 | 0.82 | 0.3662 |
| M_cont | 1 | 0.1136 | 0.0320 | 0.0510 | 0.1762 | 12.63 | 0.0004 |
| C | 1 | 0.0349 | 0.0370 | -0.0377 | 0.1074 | 0.89 | 0.3462 |
| Scale | 1 | 0.8681 | 0.0303 | 0.8106 | 0.9296 | | |
| Weibull Shape | 1 | 1.1520 | 0.0403 | 1.0757 | 1.2336 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003913 | -0.002125 | 0.000312 | -0.001589 | 0.000044350 |
| A | -0.002125 | 0.005007 | -0.000304 | 0.000031692 | 0.000035496 |
| M_cont | 0.000312 | -0.000304 | 0.001021 | -0.000146 | 0.000076175 |
| C | -0.001589 | 0.000031692 | -0.000146 | 0.001370 | 0.000005675 |
| Scale | 0.000044350 | 0.000035496 | 0.000076175 | 0.000005675 | 0.000920 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05605 | -0.21519 | 0.14385 | 0.16921 |
| 2 | 1.05605 | 0.00300 | -0.00188 | -0.00105 |
| 3 | 1.05605 | -0.00188 | 0.00455 | -0.00008 |
| 4 | 1.05605 | -0.00105 | -0.00008 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA122 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 641 |
| Right Censored Values | 238 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1241.622864 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2483.246 |
| AIC (smaller is better) | 2493.246 |
| AICC (smaller is better) | 2493.314 |
| BIC (smaller is better) | 2517.140 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2497.82 |
| Weibull AIC (smaller is better) | -2487.82 |
| Weibull AICC (smaller is better) | -2487.75 |
| Weibull BIC (smaller is better) | -2463.92 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.5276 | 0.0061 |
| M_cont | 1 | 5.4713 | 0.0193 |
| C | 1 | 0.0279 | 0.8673 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0245 | 0.0622 | -3.1464 | -2.9026 | 2364.11 | <.0001 |
| A | 1 | 0.1950 | 0.0711 | 0.0557 | 0.3343 | 7.53 | 0.0061 |
| M_cont | 1 | 0.0725 | 0.0310 | 0.0117 | 0.1332 | 5.47 | 0.0193 |
| C | 1 | -0.0062 | 0.0372 | -0.0792 | 0.0668 | 0.03 | 0.8673 |
| Scale | 1 | 0.8759 | 0.0304 | 0.8183 | 0.9375 | | |
| Weibull Shape | 1 | 1.1417 | 0.0396 | 1.0666 | 1.2221 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003869 | -0.002088 | 0.000264 | -0.001614 | 0.000023174 |
| A | -0.002088 | 0.005050 | -0.000202 | 0.000081577 | 0.000116 |
| M_cont | 0.000264 | -0.000202 | 0.000959 | -0.000217 | 0.000047571 |
| C | -0.001614 | 0.000081577 | -0.000217 | 0.001387 | -0.000007656 |
| Scale | 0.000023174 | 0.000116 | 0.000047571 | -0.000007656 | 0.000924 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06576 | -0.18038 | 0.16036 | 0.18494 |
| 2 | 1.06576 | 0.00312 | -0.00199 | -0.00111 |
| 3 | 1.06576 | -0.00199 | 0.00463 | -0.00001 |
| 4 | 1.06576 | -0.00111 | -0.00001 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA123 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 660 |
| Right Censored Values | 219 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1273.32375 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2546.647 |
| AIC (smaller is better) | 2556.647 |
| AICC (smaller is better) | 2556.716 |
| BIC (smaller is better) | 2580.541 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2644.16 |
| Weibull AIC (smaller is better) | -2634.16 |
| Weibull AICC (smaller is better) | -2634.10 |
| Weibull BIC (smaller is better) | -2610.27 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.7776 | 0.3779 |
| M_cont | 1 | 4.0847 | 0.0433 |
| C | 1 | 0.5693 | 0.4505 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0070 | 0.0604 | -3.1253 | -2.8886 | 2480.49 | <.0001 |
| A | 1 | -0.0631 | 0.0715 | -0.2033 | 0.0771 | 0.78 | 0.3779 |
| M_cont | 1 | 0.0631 | 0.0312 | 0.0019 | 0.1243 | 4.08 | 0.0433 |
| C | 1 | 0.0273 | 0.0362 | -0.0436 | 0.0983 | 0.57 | 0.4505 |
| Scale | 1 | 0.9003 | 0.0307 | 0.8421 | 0.9624 | | |
| Weibull Shape | 1 | 1.1108 | 0.0379 | 1.0390 | 1.1875 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003645 | -0.002046 | 0.000230 | -0.001411 | 0.000051501 |
| A | -0.002046 | 0.005119 | -0.000245 | -0.000088240 | -0.000074693 |
| M_cont | 0.000230 | -0.000245 | 0.000975 | -0.000141 | 0.000051156 |
| C | -0.001411 | -0.000088240 | -0.000141 | 0.001310 | 0.000009576 |
| Scale | 0.000051501 | -0.000074693 | 0.000051156 | 0.000009576 | 0.000941 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04475 | -0.24202 | 0.20078 | 0.17563 |
| 2 | 1.04475 | 0.00288 | -0.00180 | -0.00102 |
| 3 | 1.04475 | -0.00180 | 0.00447 | -0.00010 |
| 4 | 1.04475 | -0.00102 | -0.00010 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA124 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 895 |
| Noncensored Values | 646 |
| Right Censored Values | 249 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1289.575982 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 895 |
| Missing Values | 105 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2579.152 |
| AIC (smaller is better) | 2589.152 |
| AICC (smaller is better) | 2589.219 |
| BIC (smaller is better) | 2613.136 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2494.80 |
| Weibull AIC (smaller is better) | -2484.80 |
| Weibull AICC (smaller is better) | -2484.73 |
| Weibull BIC (smaller is better) | -2460.81 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.3789 | 0.5382 |
| M_cont | 1 | 8.7701 | 0.0031 |
| C | 1 | 5.6435 | 0.0175 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0619 | 0.0627 | -3.1847 | -2.9390 | 2386.87 | <.0001 |
| A | 1 | 0.0459 | 0.0745 | -0.1002 | 0.1920 | 0.38 | 0.5382 |
| M_cont | 1 | 0.0991 | 0.0334 | 0.0335 | 0.1646 | 8.77 | 0.0031 |
| C | 1 | 0.0913 | 0.0384 | 0.0160 | 0.1666 | 5.64 | 0.0175 |
| Scale | 1 | 0.9150 | 0.0318 | 0.8548 | 0.9795 | | |
| Weibull Shape | 1 | 1.0929 | 0.0380 | 1.0210 | 1.1699 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003928 | -0.002151 | 0.000308 | -0.001637 | -0.000003000 |
| A | -0.002151 | 0.005557 | -0.000304 | 0.000031833 | 0.000027736 |
| M_cont | 0.000308 | -0.000304 | 0.001119 | -0.000246 | 0.000064542 |
| C | -0.001637 | 0.000031833 | -0.000246 | 0.001477 | 0.000065502 |
| Scale | -0.000003000 | 0.000027736 | 0.000064542 | 0.000065502 | 0.001010 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03793 | -0.18746 | 0.15999 | 0.22609 |
| 2 | 1.03793 | 0.00300 | -0.00184 | -0.00112 |
| 3 | 1.03793 | -0.00184 | 0.00446 | 0.00002 |
| 4 | 1.03793 | -0.00112 | 0.00002 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA125 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 864 |
| Noncensored Values | 636 |
| Right Censored Values | 228 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1230.728636 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 864 |
| Missing Values | 136 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2461.457 |
| AIC (smaller is better) | 2471.457 |
| AICC (smaller is better) | 2471.527 |
| BIC (smaller is better) | 2495.265 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2527.30 |
| Weibull AIC (smaller is better) | -2517.30 |
| Weibull AICC (smaller is better) | -2517.23 |
| Weibull BIC (smaller is better) | -2493.49 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.2135 | 0.0224 |
| M_cont | 1 | 10.3598 | 0.0013 |
| C | 1 | 6.4192 | 0.0113 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1515 | 0.0603 | -3.2698 | -3.0333 | 2728.18 | <.0001 |
| A | 1 | 0.1665 | 0.0729 | 0.0236 | 0.3094 | 5.21 | 0.0224 |
| M_cont | 1 | 0.1069 | 0.0332 | 0.0418 | 0.1720 | 10.36 | 0.0013 |
| C | 1 | 0.0917 | 0.0362 | 0.0208 | 0.1626 | 6.42 | 0.0113 |
| Scale | 1 | 0.8879 | 0.0308 | 0.8296 | 0.9502 | | |
| Weibull Shape | 1 | 1.1263 | 0.0390 | 1.0524 | 1.2054 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003641 | -0.002226 | 0.000214 | -0.001439 | -0.000036138 |
| A | -0.002226 | 0.005316 | -0.000347 | 0.000131 | 0.000081426 |
| M_cont | 0.000214 | -0.000347 | 0.001103 | -0.000091089 | 0.000075252 |
| C | -0.001439 | 0.000131 | -0.000091089 | 0.001309 | 0.000050342 |
| Scale | -0.000036138 | 0.000081426 | 0.000075252 | 0.000050342 | 0.000946 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02371 | -0.14841 | 0.25532 | 0.094386 |
| 2 | 1.02371 | 0.00269 | -0.00174 | -0.000966 |
| 3 | 1.02371 | -0.00174 | 0.00434 | -0.000033 |
| 4 | 1.02371 | -0.00097 | -0.00003 | 0.001009 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA126 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 866 |
| Noncensored Values | 619 |
| Right Censored Values | 247 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1242.320713 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 866 |
| Missing Values | 134 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2484.641 |
| AIC (smaller is better) | 2494.641 |
| AICC (smaller is better) | 2494.711 |
| BIC (smaller is better) | 2518.461 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2375.25 |
| Weibull AIC (smaller is better) | -2365.25 |
| Weibull AICC (smaller is better) | -2365.18 |
| Weibull BIC (smaller is better) | -2341.43 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.5253 | 0.1120 |
| M_cont | 1 | 4.0654 | 0.0438 |
| C | 1 | 2.0561 | 0.1516 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0363 | 0.0645 | -3.1626 | -2.9099 | 2218.36 | <.0001 |
| A | 1 | 0.1209 | 0.0761 | -0.0282 | 0.2699 | 2.53 | 0.1120 |
| M_cont | 1 | 0.0656 | 0.0326 | 0.0018 | 0.1294 | 4.07 | 0.0438 |
| C | 1 | 0.0546 | 0.0381 | -0.0200 | 0.1291 | 2.06 | 0.1516 |
| Scale | 1 | 0.9170 | 0.0324 | 0.8557 | 0.9827 | | |
| Weibull Shape | 1 | 1.0905 | 0.0385 | 1.0176 | 1.1686 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004156 | -0.002379 | 0.000184 | -0.001673 | 0.000029811 |
| A | -0.002379 | 0.005784 | -0.000224 | 0.000142 | 0.000070336 |
| M_cont | 0.000184 | -0.000224 | 0.001060 | -0.000156 | 0.000042679 |
| C | -0.001673 | 0.000142 | -0.000156 | 0.001448 | 0.000033342 |
| Scale | 0.000029811 | 0.000070336 | 0.000042679 | 0.000033342 | 0.001047 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08519 | -0.14178 | 0.14959 | 0.15608 |
| 2 | 1.08519 | 0.00311 | -0.00198 | -0.00113 |
| 3 | 1.08519 | -0.00198 | 0.00489 | 0.00001 |
| 4 | 1.08519 | -0.00113 | 0.00001 | 0.00113 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA127 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 868 |
| Noncensored Values | 645 |
| Right Censored Values | 223 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1254.271467 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |
| Missing Values | 132 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2508.543 |
| AIC (smaller is better) | 2518.543 |
| AICC (smaller is better) | 2518.613 |
| BIC (smaller is better) | 2542.374 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2585.61 |
| Weibull AIC (smaller is better) | -2575.61 |
| Weibull AICC (smaller is better) | -2575.54 |
| Weibull BIC (smaller is better) | -2551.78 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 10.5052 | 0.0012 |
| M_cont | 1 | 5.7597 | 0.0164 |
| C | 1 | 3.0175 | 0.0824 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1822 | 0.0635 | -3.3067 | -3.0577 | 2510.75 | <.0001 |
| A | 1 | 0.2413 | 0.0744 | 0.0954 | 0.3871 | 10.51 | 0.0012 |
| M_cont | 1 | 0.0800 | 0.0333 | 0.0147 | 0.1453 | 5.76 | 0.0164 |
| C | 1 | 0.0659 | 0.0379 | -0.0085 | 0.1402 | 3.02 | 0.0824 |
| Scale | 1 | 0.9106 | 0.0313 | 0.8513 | 0.9739 | | |
| Weibull Shape | 1 | 1.0982 | 0.0377 | 1.0268 | 1.1746 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004033 | -0.002141 | 0.000075238 | -0.001680 | -0.000094625 |
| A | -0.002141 | 0.005540 | -0.000178 | 0.000073297 | 0.000180 |
| M_cont | 0.000075238 | -0.000178 | 0.001110 | -0.000138 | 0.000051255 |
| C | -0.001680 | 0.000073297 | -0.000138 | 0.001438 | 0.000049130 |
| Scale | -0.000094625 | 0.000180 | 0.000051255 | 0.000049130 | 0.000977 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03541 | -0.082367 | 0.074103 | 0.16812 |
| 2 | 1.03541 | 0.003024 | -0.001853 | -0.00111 |
| 3 | 1.03541 | -0.001853 | 0.004410 | 0.00001 |
| 4 | 1.03541 | -0.001114 | 0.000013 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA128 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 893 |
| Noncensored Values | 646 |
| Right Censored Values | 247 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1314.15523 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 893 |
| Missing Values | 107 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2628.310 |
| AIC (smaller is better) | 2638.310 |
| AICC (smaller is better) | 2638.378 |
| BIC (smaller is better) | 2662.283 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2514.85 |
| Weibull AIC (smaller is better) | -2504.85 |
| Weibull AICC (smaller is better) | -2504.78 |
| Weibull BIC (smaller is better) | -2480.88 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.3413 | 0.2468 |
| M_cont | 1 | 3.6201 | 0.0571 |
| C | 1 | 6.5651 | 0.0104 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1121 | 0.0681 | -3.2455 | -2.9786 | 2089.55 | <.0001 |
| A | 1 | 0.0882 | 0.0762 | -0.0611 | 0.2375 | 1.34 | 0.2468 |
| M_cont | 1 | 0.0666 | 0.0350 | -0.0020 | 0.1352 | 3.62 | 0.0571 |
| C | 1 | 0.1043 | 0.0407 | 0.0245 | 0.1840 | 6.57 | 0.0104 |
| Scale | 1 | 0.9508 | 0.0330 | 0.8883 | 1.0177 | | |
| Weibull Shape | 1 | 1.0518 | 0.0365 | 0.9826 | 1.1258 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004635 | -0.002511 | 0.000213 | -0.001931 | -0.000002239 |
| A | -0.002511 | 0.005802 | -0.000107 | 0.000125 | 0.000040356 |
| M_cont | 0.000213 | -0.000107 | 0.001225 | -0.000244 | 0.000054006 |
| C | -0.001931 | 0.000125 | -0.000244 | 0.001656 | 0.000063133 |
| Scale | -0.000002239 | 0.000040356 | 0.000054006 | 0.000063133 | 0.001088 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05528 | -0.11524 | 0.050093 | 0.17938 |
| 2 | 1.05528 | 0.00336 | -0.001996 | -0.00127 |
| 3 | 1.05528 | -0.00200 | 0.004563 | 0.00006 |
| 4 | 1.05528 | -0.00127 | 0.000056 | 0.00113 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA129 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 886 |
| Noncensored Values | 673 |
| Right Censored Values | 213 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1251.170335 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 886 |
| Missing Values | 114 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2502.341 |
| AIC (smaller is better) | 2512.341 |
| AICC (smaller is better) | 2512.409 |
| BIC (smaller is better) | 2536.274 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2734.28 |
| Weibull AIC (smaller is better) | -2724.28 |
| Weibull AICC (smaller is better) | -2724.21 |
| Weibull BIC (smaller is better) | -2700.35 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.3214 | 0.0068 |
| M_cont | 1 | 0.1458 | 0.7026 |
| C | 1 | 7.8485 | 0.0051 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2020 | 0.0567 | -3.3131 | -3.0909 | 3189.14 | <.0001 |
| A | 1 | 0.1826 | 0.0675 | 0.0503 | 0.3149 | 7.32 | 0.0068 |
| M_cont | 1 | 0.0116 | 0.0304 | -0.0480 | 0.0712 | 0.15 | 0.7026 |
| C | 1 | 0.0935 | 0.0334 | 0.0281 | 0.1588 | 7.85 | 0.0051 |
| Scale | 1 | 0.8556 | 0.0287 | 0.8012 | 0.9137 | | |
| Weibull Shape | 1 | 1.1688 | 0.0392 | 1.0944 | 1.2482 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003215 | -0.001936 | 0.000102 | -0.001223 | -0.000078088 |
| A | -0.001936 | 0.004555 | -0.000253 | 0.000067593 | 0.000099928 |
| M_cont | 0.000102 | -0.000253 | 0.000925 | -0.000123 | 0.000005552 |
| C | -0.001223 | 0.000067593 | -0.000123 | 0.001113 | 0.000043923 |
| Scale | -0.000078088 | 0.000099928 | 0.000005552 | 0.000043923 | 0.000824 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02580 | -0.11126 | 0.17707 | 0.14757 |
| 2 | 1.02580 | 0.00282 | -0.00182 | -0.00094 |
| 3 | 1.02580 | -0.00182 | 0.00428 | -0.00006 |
| 4 | 1.02580 | -0.00094 | -0.00006 | 0.00094 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA130 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 894 |
| Noncensored Values | 640 |
| Right Censored Values | 254 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1296.878547 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 894 |
| Missing Values | 106 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2593.757 |
| AIC (smaller is better) | 2603.757 |
| AICC (smaller is better) | 2603.825 |
| BIC (smaller is better) | 2627.736 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2461.69 |
| Weibull AIC (smaller is better) | -2451.69 |
| Weibull AICC (smaller is better) | -2451.62 |
| Weibull BIC (smaller is better) | -2427.71 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.4928 | 0.0340 |
| M_cont | 1 | 0.4667 | 0.4945 |
| C | 1 | 1.9943 | 0.1579 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0429 | 0.0599 | -3.1602 | -2.9255 | 2582.01 | <.0001 |
| A | 1 | 0.1607 | 0.0758 | 0.0121 | 0.3093 | 4.49 | 0.0340 |
| M_cont | 1 | -0.0238 | 0.0349 | -0.0922 | 0.0446 | 0.47 | 0.4945 |
| C | 1 | 0.0509 | 0.0360 | -0.0197 | 0.1215 | 1.99 | 0.1579 |
| Scale | 1 | 0.9317 | 0.0324 | 0.8702 | 0.9975 | | |
| Weibull Shape | 1 | 1.0733 | 0.0374 | 1.0025 | 1.1491 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003586 | -0.002126 | 0.000182 | -0.001319 | 0.000031695 |
| A | -0.002126 | 0.005749 | -0.000235 | -0.000107 | 0.000118 |
| M_cont | 0.000182 | -0.000235 | 0.001218 | -0.000190 | -0.000013942 |
| C | -0.001319 | -0.000107 | -0.000190 | 0.001298 | 0.000023737 |
| Scale | 0.000031695 | 0.000118 | -0.000013942 | 0.000023737 | 0.001052 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05388 | -0.18204 | 0.10396 | 0.18141 |
| 2 | 1.05388 | 0.00295 | -0.00192 | -0.00104 |
| 3 | 1.05388 | -0.00192 | 0.00457 | 0.00002 |
| 4 | 1.05388 | -0.00104 | 0.00002 | 0.00104 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA131 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 880 |
| Noncensored Values | 661 |
| Right Censored Values | 219 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1277.095039 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 880 |
| Missing Values | 120 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2554.190 |
| AIC (smaller is better) | 2564.190 |
| AICC (smaller is better) | 2564.259 |
| BIC (smaller is better) | 2588.090 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2663.28 |
| Weibull AIC (smaller is better) | -2653.28 |
| Weibull AICC (smaller is better) | -2653.21 |
| Weibull BIC (smaller is better) | -2629.38 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.1949 | 0.2743 |
| M_cont | 1 | 1.6655 | 0.1969 |
| C | 1 | 3.8817 | 0.0488 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1301 | 0.0624 | -3.2523 | -3.0078 | 2519.39 | <.0001 |
| A | 1 | 0.0785 | 0.0718 | -0.0622 | 0.2191 | 1.19 | 0.2743 |
| M_cont | 1 | 0.0430 | 0.0333 | -0.0223 | 0.1082 | 1.67 | 0.1969 |
| C | 1 | 0.0722 | 0.0367 | 0.0004 | 0.1440 | 3.88 | 0.0488 |
| Scale | 1 | 0.9056 | 0.0307 | 0.8473 | 0.9679 | | |
| Weibull Shape | 1 | 1.1042 | 0.0375 | 1.0331 | 1.1802 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003889 | -0.002169 | 0.000121 | -0.001539 | -0.000022093 |
| A | -0.002169 | 0.005151 | -0.000214 | 0.000034170 | 0.000036407 |
| M_cont | 0.000121 | -0.000214 | 0.001108 | -0.000082000 | 0.000019020 |
| C | -0.001539 | 0.000034170 | -0.000082000 | 0.001343 | 0.000031048 |
| Scale | -0.000022093 | 0.000036407 | 0.000019020 | 0.000031048 | 0.000945 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01406 | -0.16646 | 0.18595 | 0.12440 |
| 2 | 1.01406 | 0.00286 | -0.00183 | -0.00100 |
| 3 | 1.01406 | -0.00183 | 0.00420 | 0.00003 |
| 4 | 1.01406 | -0.00100 | 0.00003 | 0.00095 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA132 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 898 |
| Noncensored Values | 648 |
| Right Censored Values | 250 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1299.395388 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 898 |
| Missing Values | 102 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2598.791 |
| AIC (smaller is better) | 2608.791 |
| AICC (smaller is better) | 2608.858 |
| BIC (smaller is better) | 2632.792 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2511.91 |
| Weibull AIC (smaller is better) | -2501.91 |
| Weibull AICC (smaller is better) | -2501.84 |
| Weibull BIC (smaller is better) | -2477.91 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 6.3059 | 0.0120 |
| M_cont | 1 | 0.0114 | 0.9149 |
| C | 1 | 5.6999 | 0.0170 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1119 | 0.0628 | -3.2349 | -2.9888 | 2457.55 | <.0001 |
| A | 1 | 0.1878 | 0.0748 | 0.0412 | 0.3344 | 6.31 | 0.0120 |
| M_cont | 1 | -0.0036 | 0.0335 | -0.0693 | 0.0621 | 0.01 | 0.9149 |
| C | 1 | 0.0903 | 0.0378 | 0.0162 | 0.1645 | 5.70 | 0.0170 |
| Scale | 1 | 0.9220 | 0.0319 | 0.8616 | 0.9866 | | |
| Weibull Shape | 1 | 1.0846 | 0.0375 | 1.0136 | 1.1607 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003940 | -0.002521 | 0.000238 | -0.001566 | -0.000001198 |
| A | -0.002521 | 0.005592 | -0.000381 | 0.000268 | 0.000122 |
| M_cont | 0.000238 | -0.000381 | 0.001123 | -0.000197 | 7.3111198E-8 |
| C | -0.001566 | 0.000268 | -0.000197 | 0.001431 | 0.000037670 |
| Scale | -0.000001198 | 0.000122 | 7.3111198E-8 | 0.000037670 | 0.001016 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04255 | -0.20516 | 0.20719 | 0.19673 |
| 2 | 1.04255 | 0.00297 | -0.00203 | -0.00102 |
| 3 | 1.04255 | -0.00203 | 0.00441 | 0.00008 |
| 4 | 1.04255 | -0.00102 | 0.00008 | 0.00101 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA133 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 885 |
| Noncensored Values | 643 |
| Right Censored Values | 242 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1238.84202 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 885 |
| Missing Values | 115 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2477.684 |
| AIC (smaller is better) | 2487.684 |
| AICC (smaller is better) | 2487.752 |
| BIC (smaller is better) | 2511.612 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2510.33 |
| Weibull AIC (smaller is better) | -2500.33 |
| Weibull AICC (smaller is better) | -2500.26 |
| Weibull BIC (smaller is better) | -2476.41 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.8436 | 0.1745 |
| M_cont | 1 | 7.8502 | 0.0051 |
| C | 1 | 12.1016 | 0.0005 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1312 | 0.0598 | -3.2483 | -3.0141 | 2744.70 | <.0001 |
| A | 1 | 0.0948 | 0.0698 | -0.0420 | 0.2316 | 1.84 | 0.1745 |
| M_cont | 1 | 0.0877 | 0.0313 | 0.0263 | 0.1490 | 7.85 | 0.0051 |
| C | 1 | 0.1221 | 0.0351 | 0.0533 | 0.1910 | 12.10 | 0.0005 |
| Scale | 1 | 0.8646 | 0.0299 | 0.8079 | 0.9253 | | |
| Weibull Shape | 1 | 1.1566 | 0.0400 | 1.0808 | 1.2378 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003572 | -0.002152 | 0.000268 | -0.001380 | -0.000038277 |
| A | -0.002152 | 0.004872 | -0.000321 | 0.000096871 | 0.000063104 |
| M_cont | 0.000268 | -0.000321 | 0.000979 | -0.000169 | 0.000057120 |
| C | -0.001380 | 0.000096871 | -0.000169 | 0.001233 | 0.000066264 |
| Scale | -0.000038277 | 0.000063104 | 0.000057120 | 0.000066264 | 0.000895 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05881 | -0.26216 | 0.23637 | 0.22532 |
| 2 | 1.05881 | 0.00328 | -0.00212 | -0.00117 |
| 3 | 1.05881 | -0.00212 | 0.00456 | 0.00010 |
| 4 | 1.05881 | -0.00117 | 0.00010 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA134 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 875 |
| Noncensored Values | 624 |
| Right Censored Values | 251 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1210.216017 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |
| Missing Values | 125 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2420.432 |
| AIC (smaller is better) | 2430.432 |
| AICC (smaller is better) | 2430.501 |
| BIC (smaller is better) | 2454.303 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2374.61 |
| Weibull AIC (smaller is better) | -2364.61 |
| Weibull AICC (smaller is better) | -2364.54 |
| Weibull BIC (smaller is better) | -2340.74 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.0992 | 0.2944 |
| M_cont | 1 | 3.8061 | 0.0511 |
| C | 1 | 2.1846 | 0.1394 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0005 | 0.0611 | -3.1201 | -2.8808 | 2415.24 | <.0001 |
| A | 1 | 0.0730 | 0.0697 | -0.0635 | 0.2095 | 1.10 | 0.2944 |
| M_cont | 1 | 0.0633 | 0.0324 | -0.0003 | 0.1269 | 3.81 | 0.0511 |
| C | 1 | 0.0529 | 0.0358 | -0.0173 | 0.1231 | 2.18 | 0.1394 |
| Scale | 1 | 0.8517 | 0.0300 | 0.7949 | 0.9126 | | |
| Weibull Shape | 1 | 1.1741 | 0.0413 | 1.0958 | 1.2580 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003727 | -0.002164 | 0.000053251 | -0.001501 | 0.000031229 |
| A | -0.002164 | 0.004852 | -0.000091118 | 0.000182 | 0.000057992 |
| M_cont | 0.000053251 | -0.000091118 | 0.001052 | -0.000099984 | 0.000032059 |
| C | -0.001501 | 0.000182 | -0.000099984 | 0.001282 | 0.000028496 |
| Scale | 0.000031229 | 0.000057992 | 0.000032059 | 0.000028496 | 0.000899 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01776 | -0.082259 | 0.099385 | 0.11598 |
| 2 | 1.01776 | 0.002898 | -0.001854 | -0.00107 |
| 3 | 1.01776 | -0.001854 | 0.004269 | 0.00008 |
| 4 | 1.01776 | -0.001071 | 0.000076 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA135 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 868 |
| Noncensored Values | 634 |
| Right Censored Values | 234 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1268.958036 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 868 |
| Missing Values | 132 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2537.916 |
| AIC (smaller is better) | 2547.916 |
| AICC (smaller is better) | 2547.986 |
| BIC (smaller is better) | 2571.747 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2490.41 |
| Weibull AIC (smaller is better) | -2480.41 |
| Weibull AICC (smaller is better) | -2480.34 |
| Weibull BIC (smaller is better) | -2456.58 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.9986 | 0.0254 |
| M_cont | 1 | 6.7431 | 0.0094 |
| C | 1 | 2.0476 | 0.1524 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1069 | 0.0669 | -3.2381 | -2.9758 | 2155.76 | <.0001 |
| A | 1 | 0.1706 | 0.0763 | 0.0210 | 0.3202 | 5.00 | 0.0254 |
| M_cont | 1 | 0.0839 | 0.0323 | 0.0206 | 0.1471 | 6.74 | 0.0094 |
| C | 1 | 0.0576 | 0.0402 | -0.0213 | 0.1364 | 2.05 | 0.1524 |
| Scale | 1 | 0.9379 | 0.0327 | 0.8760 | 1.0043 | | |
| Weibull Shape | 1 | 1.0662 | 0.0372 | 0.9957 | 1.1416 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004478 | -0.002576 | 0.000258 | -0.001849 | -0.000012212 |
| A | -0.002576 | 0.005823 | -0.000278 | 0.000180 | 0.000119 |
| M_cont | 0.000258 | -0.000278 | 0.001043 | -0.000200 | 0.000066160 |
| C | -0.001849 | 0.000180 | -0.000200 | 0.001618 | 0.000025326 |
| Scale | -0.000012212 | 0.000119 | 0.000066160 | 0.000025326 | 0.001070 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07443 | -0.20020 | 0.20301 | 0.20283 |
| 2 | 1.07443 | 0.00320 | -0.00202 | -0.00116 |
| 3 | 1.07443 | -0.00202 | 0.00472 | 0.00000 |
| 4 | 1.07443 | -0.00116 | 0.00000 | 0.00114 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA136 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 628 |
| Right Censored Values | 245 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1242.723025 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2485.446 |
| AIC (smaller is better) | 2495.446 |
| AICC (smaller is better) | 2495.515 |
| BIC (smaller is better) | 2519.306 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2409.82 |
| Weibull AIC (smaller is better) | -2399.82 |
| Weibull AICC (smaller is better) | -2399.75 |
| Weibull BIC (smaller is better) | -2375.96 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 12.4855 | 0.0004 |
| M_cont | 1 | 3.6480 | 0.0561 |
| C | 1 | 0.9492 | 0.3299 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0739 | 0.0619 | -3.1952 | -2.9527 | 2468.78 | <.0001 |
| A | 1 | 0.2596 | 0.0735 | 0.1156 | 0.4037 | 12.49 | 0.0004 |
| M_cont | 1 | 0.0648 | 0.0339 | -0.0017 | 0.1314 | 3.65 | 0.0561 |
| C | 1 | 0.0359 | 0.0368 | -0.0363 | 0.1080 | 0.95 | 0.3299 |
| Scale | 1 | 0.8960 | 0.0316 | 0.8362 | 0.9601 | | |
| Weibull Shape | 1 | 1.1160 | 0.0393 | 1.0415 | 1.1959 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003827 | -0.002177 | 0.000139 | -0.001507 | 0.000002632 |
| A | -0.002177 | 0.005399 | -0.000265 | 0.000024978 | 0.000184 |
| M_cont | 0.000139 | -0.000265 | 0.001152 | -0.000129 | 0.000038835 |
| C | -0.001507 | 0.000024978 | -0.000129 | 0.001356 | 0.000006324 |
| Scale | 0.000002632 | 0.000184 | 0.000038835 | 0.000006324 | 0.000998 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00247 | -0.16586 | 0.13772 | 0.17566 |
| 2 | 1.00247 | 0.00275 | -0.00177 | -0.00095 |
| 3 | 1.00247 | -0.00177 | 0.00408 | -0.00004 |
| 4 | 1.00247 | -0.00095 | -0.00004 | 0.00096 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA137 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 883 |
| Noncensored Values | 658 |
| Right Censored Values | 225 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1266.814422 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |
| Missing Values | 117 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2533.629 |
| AIC (smaller is better) | 2543.629 |
| AICC (smaller is better) | 2543.697 |
| BIC (smaller is better) | 2567.545 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2636.69 |
| Weibull AIC (smaller is better) | -2626.69 |
| Weibull AICC (smaller is better) | -2626.62 |
| Weibull BIC (smaller is better) | -2602.77 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 8.0308 | 0.0046 |
| M_cont | 1 | 6.0286 | 0.0141 |
| C | 1 | 5.9504 | 0.0147 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1802 | 0.0588 | -3.2955 | -3.0650 | 2923.01 | <.0001 |
| A | 1 | 0.2017 | 0.0712 | 0.0622 | 0.3413 | 8.03 | 0.0046 |
| M_cont | 1 | 0.0779 | 0.0317 | 0.0157 | 0.1401 | 6.03 | 0.0141 |
| C | 1 | 0.0915 | 0.0375 | 0.0180 | 0.1651 | 5.95 | 0.0147 |
| Scale | 1 | 0.8899 | 0.0304 | 0.8323 | 0.9515 | | |
| Weibull Shape | 1 | 1.1237 | 0.0384 | 1.0510 | 1.2014 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003460 | -0.001883 | 0.000201 | -0.001441 | -0.000048408 |
| A | -0.001883 | 0.005068 | -0.000038830 | -0.000101 | 0.000111 |
| M_cont | 0.000201 | -0.000038830 | 0.001007 | -0.000203 | 0.000046793 |
| C | -0.001441 | -0.000101 | -0.000203 | 0.001408 | 0.000039451 |
| Scale | -0.000048408 | 0.000111 | 0.000046793 | 0.000039451 | 0.000923 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04148 | -0.14536 | 0.026699 | 0.19370 |
| 2 | 1.04148 | 0.00294 | -0.001812 | -0.00107 |
| 3 | 1.04148 | -0.00181 | 0.004426 | -0.00011 |
| 4 | 1.04148 | -0.00107 | -0.000109 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA138 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 881 |
| Noncensored Values | 661 |
| Right Censored Values | 220 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1243.881793 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 881 |
| Missing Values | 119 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2487.764 |
| AIC (smaller is better) | 2497.764 |
| AICC (smaller is better) | 2497.832 |
| BIC (smaller is better) | 2521.669 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2652.07 |
| Weibull AIC (smaller is better) | -2642.07 |
| Weibull AICC (smaller is better) | -2642.00 |
| Weibull BIC (smaller is better) | -2618.17 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 15.8439 | <.0001 |
| M_cont | 1 | 3.5068 | 0.0611 |
| C | 1 | 0.6903 | 0.4061 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1433 | 0.0589 | -3.2586 | -3.0279 | 2851.83 | <.0001 |
| A | 1 | 0.2760 | 0.0693 | 0.1401 | 0.4118 | 15.84 | <.0001 |
| M_cont | 1 | 0.0575 | 0.0307 | -0.0027 | 0.1177 | 3.51 | 0.0611 |
| C | 1 | 0.0279 | 0.0336 | -0.0379 | 0.0938 | 0.69 | 0.4061 |
| Scale | 1 | 0.8608 | 0.0292 | 0.8054 | 0.9200 | | |
| Weibull Shape | 1 | 1.1617 | 0.0395 | 1.0869 | 1.2417 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003464 | -0.001955 | 0.000096523 | -0.001362 | -0.000049513 |
| A | -0.001955 | 0.004806 | -0.000170 | 0.000107 | 0.000155 |
| M_cont | 0.000096523 | -0.000170 | 0.000943 | -0.000089162 | 0.000042860 |
| C | -0.001362 | 0.000107 | -0.000089162 | 0.001130 | 0.000011500 |
| Scale | -0.000049513 | 0.000155 | 0.000042860 | 0.000011500 | 0.000855 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04645 | -0.13207 | 0.14531 | 0.13481 |
| 2 | 1.04645 | 0.00312 | -0.00203 | -0.00111 |
| 3 | 1.04645 | -0.00203 | 0.00449 | 0.00011 |
| 4 | 1.04645 | -0.00111 | 0.00011 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA139 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 632 |
| Right Censored Values | 242 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1261.340632 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2522.681 |
| AIC (smaller is better) | 2532.681 |
| AICC (smaller is better) | 2532.750 |
| BIC (smaller is better) | 2556.547 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2451.65 |
| Weibull AIC (smaller is better) | -2441.65 |
| Weibull AICC (smaller is better) | -2441.58 |
| Weibull BIC (smaller is better) | -2417.78 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.7205 | 0.0055 |
| M_cont | 1 | 1.9593 | 0.1616 |
| C | 1 | 0.3385 | 0.5607 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0542 | 0.0657 | -3.1830 | -2.9254 | 2158.94 | <.0001 |
| A | 1 | 0.2099 | 0.0756 | 0.0619 | 0.3580 | 7.72 | 0.0055 |
| M_cont | 1 | 0.0471 | 0.0336 | -0.0188 | 0.1130 | 1.96 | 0.1616 |
| C | 1 | 0.0225 | 0.0386 | -0.0532 | 0.0982 | 0.34 | 0.5607 |
| Scale | 1 | 0.9167 | 0.0321 | 0.8559 | 0.9819 | | |
| Weibull Shape | 1 | 1.0908 | 0.0382 | 1.0185 | 1.1683 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004321 | -0.002435 | 0.000160 | -0.001788 | 0.000028858 |
| A | -0.002435 | 0.005709 | -0.000286 | 0.000216 | 0.000139 |
| M_cont | 0.000160 | -0.000286 | 0.001132 | -0.000121 | 0.000023684 |
| C | -0.001788 | 0.000216 | -0.000121 | 0.001492 | 0.000000253 |
| Scale | 0.000028858 | 0.000139 | 0.000023684 | 0.000000253 | 0.001030 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04343 | -0.21048 | 0.24138 | 0.16723 |
| 2 | 1.04343 | 0.00305 | -0.00196 | -0.00113 |
| 3 | 1.04343 | -0.00196 | 0.00447 | 0.00008 |
| 4 | 1.04343 | -0.00113 | 0.00008 | 0.00109 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA140 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 877 |
| Noncensored Values | 651 |
| Right Censored Values | 226 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1297.120496 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |
| Missing Values | 123 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2594.241 |
| AIC (smaller is better) | 2604.241 |
| AICC (smaller is better) | 2604.310 |
| BIC (smaller is better) | 2628.124 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2597.24 |
| Weibull AIC (smaller is better) | -2587.24 |
| Weibull AICC (smaller is better) | -2587.17 |
| Weibull BIC (smaller is better) | -2563.35 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.9264 | 0.0871 |
| M_cont | 1 | 1.8814 | 0.1702 |
| C | 1 | 2.2253 | 0.1358 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1141 | 0.0635 | -3.2385 | -2.9897 | 2408.27 | <.0001 |
| A | 1 | 0.1310 | 0.0766 | -0.0191 | 0.2811 | 2.93 | 0.0871 |
| M_cont | 1 | 0.0461 | 0.0336 | -0.0198 | 0.1119 | 1.88 | 0.1702 |
| C | 1 | 0.0605 | 0.0405 | -0.0190 | 0.1399 | 2.23 | 0.1358 |
| Scale | 1 | 0.9438 | 0.0324 | 0.8823 | 1.0096 | | |
| Weibull Shape | 1 | 1.0595 | 0.0364 | 0.9905 | 1.1334 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004027 | -0.002114 | 0.000208 | -0.001705 | -0.000001629 |
| A | -0.002114 | 0.005865 | -0.000323 | -0.000155 | 0.000081435 |
| M_cont | 0.000208 | -0.000323 | 0.001128 | -0.000110 | 0.000035981 |
| C | -0.001705 | -0.000155 | -0.000110 | 0.001643 | 0.000019884 |
| Scale | -0.000001629 | 0.000081435 | 0.000035981 | 0.000019884 | 0.001053 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04321 | -0.24479 | 0.18187 | 0.19076 |
| 2 | 1.04321 | 0.00292 | -0.00188 | -0.00106 |
| 3 | 1.04321 | -0.00188 | 0.00445 | -0.00002 |
| 4 | 1.04321 | -0.00106 | -0.00002 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA141 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 893 |
| Noncensored Values | 633 |
| Right Censored Values | 260 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1298.276713 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 893 |
| Missing Values | 107 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2596.553 |
| AIC (smaller is better) | 2606.553 |
| AICC (smaller is better) | 2606.621 |
| BIC (smaller is better) | 2630.526 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2415.21 |
| Weibull AIC (smaller is better) | -2405.21 |
| Weibull AICC (smaller is better) | -2405.14 |
| Weibull BIC (smaller is better) | -2381.23 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.9103 | 0.0480 |
| M_cont | 1 | 0.0262 | 0.8714 |
| C | 1 | 2.2567 | 0.1330 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0401 | 0.0645 | -3.1665 | -2.9137 | 2220.67 | <.0001 |
| A | 1 | 0.1513 | 0.0765 | 0.0013 | 0.3012 | 3.91 | 0.0480 |
| M_cont | 1 | -0.0060 | 0.0372 | -0.0789 | 0.0668 | 0.03 | 0.8714 |
| C | 1 | 0.0590 | 0.0392 | -0.0180 | 0.1359 | 2.26 | 0.1330 |
| Scale | 1 | 0.9449 | 0.0331 | 0.8822 | 1.0121 | | |
| Weibull Shape | 1 | 1.0583 | 0.0371 | 0.9880 | 1.1336 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004162 | -0.002222 | 0.000065260 | -0.001637 | 0.000036181 |
| A | -0.002222 | 0.005851 | -0.000078921 | -0.000158 | 0.000117 |
| M_cont | 0.000065260 | -0.000078921 | 0.001381 | -0.000179 | -0.000011300 |
| C | -0.001637 | -0.000158 | -0.000179 | 0.001540 | 0.000031274 |
| Scale | 0.000036181 | 0.000117 | -0.000011300 | 0.000031274 | 0.001097 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01595 | -0.067649 | 0.054252 | 0.10823 |
| 2 | 1.01595 | 0.002841 | -0.001755 | -0.00100 |
| 3 | 1.01595 | -0.001755 | 0.004208 | -0.00006 |
| 4 | 1.01595 | -0.001000 | -0.000064 | 0.00098 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA142 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 882 |
| Noncensored Values | 660 |
| Right Censored Values | 222 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1262.645991 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 882 |
| Missing Values | 118 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2525.292 |
| AIC (smaller is better) | 2535.292 |
| AICC (smaller is better) | 2535.360 |
| BIC (smaller is better) | 2559.203 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2657.54 |
| Weibull AIC (smaller is better) | -2647.54 |
| Weibull AICC (smaller is better) | -2647.48 |
| Weibull BIC (smaller is better) | -2623.63 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 6.2624 | 0.0123 |
| M_cont | 1 | 8.4712 | 0.0036 |
| C | 1 | 0.0791 | 0.7786 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0896 | 0.0585 | -3.2043 | -2.9750 | 2789.22 | <.0001 |
| A | 1 | 0.1812 | 0.0724 | 0.0393 | 0.3231 | 6.26 | 0.0123 |
| M_cont | 1 | 0.0932 | 0.0320 | 0.0304 | 0.1560 | 8.47 | 0.0036 |
| C | 1 | 0.0097 | 0.0346 | -0.0581 | 0.0775 | 0.08 | 0.7786 |
| Scale | 1 | 0.8916 | 0.0301 | 0.8345 | 0.9526 | | |
| Weibull Shape | 1 | 1.1216 | 0.0379 | 1.0498 | 1.1984 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003422 | -0.001971 | 0.000205 | -0.001342 | -0.000013586 |
| A | -0.001971 | 0.005242 | -0.000245 | 0.000036971 | 0.000102 |
| M_cont | 0.000205 | -0.000245 | 0.001026 | -0.000120 | 0.000061186 |
| C | -0.001342 | 0.000036971 | -0.000120 | 0.001196 | 7.2348918E-8 |
| Scale | -0.000013586 | 0.000102 | 0.000061186 | 7.2348918E-8 | 0.000907 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04714 | -0.22568 | 0.18902 | 0.17218 |
| 2 | 1.04714 | 0.00284 | -0.00181 | -0.00102 |
| 3 | 1.04714 | -0.00181 | 0.00457 | -0.00002 |
| 4 | 1.04714 | -0.00102 | -0.00002 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA143 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 647 |
| Right Censored Values | 226 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1308.694754 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2617.390 |
| AIC (smaller is better) | 2627.390 |
| AICC (smaller is better) | 2627.459 |
| BIC (smaller is better) | 2651.249 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2591.85 |
| Weibull AIC (smaller is better) | -2581.85 |
| Weibull AICC (smaller is better) | -2581.78 |
| Weibull BIC (smaller is better) | -2557.99 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.2168 | 0.0729 |
| M_cont | 1 | 2.7789 | 0.0955 |
| C | 1 | 1.2533 | 0.2629 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1115 | 0.0660 | -3.2408 | -2.9822 | 2223.83 | <.0001 |
| A | 1 | 0.1415 | 0.0789 | -0.0131 | 0.2962 | 3.22 | 0.0729 |
| M_cont | 1 | 0.0598 | 0.0359 | -0.0105 | 0.1302 | 2.78 | 0.0955 |
| C | 1 | 0.0458 | 0.0409 | -0.0343 | 0.1259 | 1.25 | 0.2629 |
| Scale | 1 | 0.9741 | 0.0335 | 0.9106 | 1.0421 | | |
| Weibull Shape | 1 | 1.0266 | 0.0353 | 0.9596 | 1.0982 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004354 | -0.002301 | 0.000326 | -0.001807 | -0.000003387 |
| A | -0.002301 | 0.006228 | -0.000201 | -0.000094265 | 0.000091076 |
| M_cont | 0.000326 | -0.000201 | 0.001288 | -0.000260 | 0.000034567 |
| C | -0.001807 | -0.000094265 | -0.000260 | 0.001670 | 0.000019772 |
| Scale | -0.000003387 | 0.000091076 | 0.000034567 | 0.000019772 | 0.001124 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03016 | -0.21929 | 0.19600 | 0.17792 |
| 2 | 1.03016 | 0.00279 | -0.00174 | -0.00100 |
| 3 | 1.03016 | -0.00174 | 0.00438 | -0.00008 |
| 4 | 1.03016 | -0.00100 | -0.00008 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA144 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 891 |
| Noncensored Values | 655 |
| Right Censored Values | 236 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1285.024865 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 891 |
| Missing Values | 109 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2570.050 |
| AIC (smaller is better) | 2580.050 |
| AICC (smaller is better) | 2580.118 |
| BIC (smaller is better) | 2604.011 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2583.37 |
| Weibull AIC (smaller is better) | -2573.37 |
| Weibull AICC (smaller is better) | -2573.30 |
| Weibull BIC (smaller is better) | -2549.41 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.4666 | 0.2259 |
| M_cont | 1 | 1.5460 | 0.2137 |
| C | 1 | 1.0991 | 0.2945 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0567 | 0.0645 | -3.1832 | -2.9302 | 2244.12 | <.0001 |
| A | 1 | 0.0890 | 0.0735 | -0.0551 | 0.2332 | 1.47 | 0.2259 |
| M_cont | 1 | 0.0387 | 0.0311 | -0.0223 | 0.0996 | 1.55 | 0.2137 |
| C | 1 | 0.0388 | 0.0370 | -0.0337 | 0.1114 | 1.10 | 0.2945 |
| Scale | 1 | 0.9072 | 0.0310 | 0.8484 | 0.9700 | | |
| Weibull Shape | 1 | 1.1023 | 0.0377 | 1.0309 | 1.1787 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004164 | -0.002512 | 0.000315 | -0.001678 | 0.000008418 |
| A | -0.002512 | 0.005406 | -0.000366 | 0.000321 | 0.000048690 |
| M_cont | 0.000315 | -0.000366 | 0.000967 | -0.000219 | 0.000024288 |
| C | -0.001678 | 0.000321 | -0.000219 | 0.001370 | 0.000023402 |
| Scale | 0.000008418 | 0.000048690 | 0.000024288 | 0.000023402 | 0.000961 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07454 | -0.17742 | 0.20111 | 0.16218 |
| 2 | 1.07454 | 0.00322 | -0.00213 | -0.00115 |
| 3 | 1.07454 | -0.00213 | 0.00478 | 0.00015 |
| 4 | 1.07454 | -0.00115 | 0.00015 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA145 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 883 |
| Noncensored Values | 654 |
| Right Censored Values | 229 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1267.421459 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |
| Missing Values | 117 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2534.843 |
| AIC (smaller is better) | 2544.843 |
| AICC (smaller is better) | 2544.911 |
| BIC (smaller is better) | 2568.760 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2622.76 |
| Weibull AIC (smaller is better) | -2612.76 |
| Weibull AICC (smaller is better) | -2612.69 |
| Weibull BIC (smaller is better) | -2588.84 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 10.7373 | 0.0010 |
| M_cont | 1 | 6.1662 | 0.0130 |
| C | 1 | 5.5782 | 0.0182 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1947 | 0.0608 | -3.3138 | -3.0755 | 2762.19 | <.0001 |
| A | 1 | 0.2368 | 0.0723 | 0.0952 | 0.3785 | 10.74 | 0.0010 |
| M_cont | 1 | 0.0799 | 0.0322 | 0.0168 | 0.1430 | 6.17 | 0.0130 |
| C | 1 | 0.0887 | 0.0376 | 0.0151 | 0.1623 | 5.58 | 0.0182 |
| Scale | 1 | 0.8964 | 0.0305 | 0.8385 | 0.9582 | | |
| Weibull Shape | 1 | 1.1156 | 0.0380 | 1.0436 | 1.1926 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003695 | -0.002033 | 0.000114 | -0.001549 | -0.000042185 |
| A | -0.002033 | 0.005223 | -0.000100 | 0.000034801 | 0.000126 |
| M_cont | 0.000114 | -0.000100 | 0.001036 | -0.000098625 | 0.000035958 |
| C | -0.001549 | 0.000034801 | -0.000098625 | 0.001411 | 0.000033512 |
| Scale | -0.000042185 | 0.000126 | 0.000035958 | 0.000033512 | 0.000931 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02961 | -0.13190 | 0.087097 | 0.12489 |
| 2 | 1.02961 | 0.00296 | -0.001816 | -0.00112 |
| 3 | 1.02961 | -0.00182 | 0.004352 | -0.00001 |
| 4 | 1.02961 | -0.00112 | -0.000011 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA146 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 646 |
| Right Censored Values | 241 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1310.881973 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2621.764 |
| AIC (smaller is better) | 2631.764 |
| AICC (smaller is better) | 2631.832 |
| BIC (smaller is better) | 2655.703 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2547.97 |
| Weibull AIC (smaller is better) | -2537.97 |
| Weibull AICC (smaller is better) | -2537.90 |
| Weibull BIC (smaller is better) | -2514.03 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.0780 | 0.0794 |
| M_cont | 1 | 7.6169 | 0.0058 |
| C | 1 | 1.2508 | 0.2634 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0892 | 0.0703 | -3.2270 | -2.9515 | 1932.41 | <.0001 |
| A | 1 | 0.1352 | 0.0770 | -0.0158 | 0.2861 | 3.08 | 0.0794 |
| M_cont | 1 | 0.1035 | 0.0375 | 0.0300 | 0.1770 | 7.62 | 0.0058 |
| C | 1 | 0.0450 | 0.0402 | -0.0338 | 0.1237 | 1.25 | 0.2634 |
| Scale | 1 | 0.9599 | 0.0331 | 0.8972 | 1.0270 | | |
| Weibull Shape | 1 | 1.0417 | 0.0359 | 0.9737 | 1.1146 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004939 | -0.002718 | 0.000208 | -0.002004 | 0.000014746 |
| A | -0.002718 | 0.005934 | -0.000246 | 0.000214 | 0.000068782 |
| M_cont | 0.000208 | -0.000246 | 0.001406 | -0.000143 | 0.000075743 |
| C | -0.002004 | 0.000214 | -0.000143 | 0.001616 | 0.000024802 |
| Scale | 0.000014746 | 0.000068782 | 0.000075743 | 0.000024802 | 0.001095 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00856 | -0.18284 | 0.13297 | 0.15692 |
| 2 | 1.00856 | 0.00303 | -0.00192 | -0.00108 |
| 3 | 1.00856 | -0.00192 | 0.00413 | 0.00008 |
| 4 | 1.00856 | -0.00108 | 0.00008 | 0.00097 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA147 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 877 |
| Noncensored Values | 658 |
| Right Censored Values | 219 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1266.136401 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |
| Missing Values | 123 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2532.273 |
| AIC (smaller is better) | 2542.273 |
| AICC (smaller is better) | 2542.342 |
| BIC (smaller is better) | 2566.155 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2635.85 |
| Weibull AIC (smaller is better) | -2625.85 |
| Weibull AICC (smaller is better) | -2625.78 |
| Weibull BIC (smaller is better) | -2601.97 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.3549 | 0.0369 |
| M_cont | 1 | 4.0797 | 0.0434 |
| C | 1 | 3.7648 | 0.0523 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1473 | 0.0625 | -3.2698 | -3.0247 | 2533.28 | <.0001 |
| A | 1 | 0.1492 | 0.0715 | 0.0091 | 0.2893 | 4.35 | 0.0369 |
| M_cont | 1 | 0.0636 | 0.0315 | 0.0019 | 0.1254 | 4.08 | 0.0434 |
| C | 1 | 0.0713 | 0.0368 | -0.0007 | 0.1434 | 3.76 | 0.0523 |
| Scale | 1 | 0.8944 | 0.0306 | 0.8364 | 0.9563 | | |
| Weibull Shape | 1 | 1.1181 | 0.0382 | 1.0457 | 1.1955 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003910 | -0.002165 | 0.000112 | -0.001576 | -0.000030329 |
| A | -0.002165 | 0.005112 | -0.000285 | 0.000066774 | 0.000083901 |
| M_cont | 0.000112 | -0.000285 | 0.000992 | -0.000038335 | 0.000034325 |
| C | -0.001576 | 0.000066774 | -0.000038335 | 0.001351 | 0.000023964 |
| Scale | -0.000030329 | 0.000083901 | 0.000034325 | 0.000023964 | 0.000934 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05910 | -0.16752 | 0.20213 | 0.12528 |
| 2 | 1.05910 | 0.00316 | -0.00195 | -0.00116 |
| 3 | 1.05910 | -0.00195 | 0.00459 | -0.00001 |
| 4 | 1.05910 | -0.00116 | -0.00001 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA148 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 883 |
| Noncensored Values | 662 |
| Right Censored Values | 221 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1291.531267 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |
| Missing Values | 117 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2583.063 |
| AIC (smaller is better) | 2593.063 |
| AICC (smaller is better) | 2593.131 |
| BIC (smaller is better) | 2616.979 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2668.13 |
| Weibull AIC (smaller is better) | -2658.13 |
| Weibull AICC (smaller is better) | -2658.06 |
| Weibull BIC (smaller is better) | -2634.21 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.7235 | 0.0537 |
| M_cont | 1 | 7.9967 | 0.0047 |
| C | 1 | 1.1641 | 0.2806 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1238 | 0.0628 | -3.2469 | -3.0007 | 2474.20 | <.0001 |
| A | 1 | 0.1456 | 0.0755 | -0.0023 | 0.2935 | 3.72 | 0.0537 |
| M_cont | 1 | 0.0969 | 0.0343 | 0.0297 | 0.1641 | 8.00 | 0.0047 |
| C | 1 | 0.0396 | 0.0367 | -0.0323 | 0.1115 | 1.16 | 0.2806 |
| Scale | 1 | 0.9201 | 0.0313 | 0.8607 | 0.9835 | | |
| Weibull Shape | 1 | 1.0869 | 0.0370 | 1.0168 | 1.1618 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003944 | -0.002421 | 0.000378 | -0.001575 | -0.000018329 |
| A | -0.002421 | 0.005694 | -0.000576 | 0.000237 | 0.000090619 |
| M_cont | 0.000378 | -0.000576 | 0.001174 | -0.000228 | 0.000070120 |
| C | -0.001575 | 0.000237 | -0.000228 | 0.001345 | 0.000009442 |
| Scale | -0.000018329 | 0.000090619 | 0.000070120 | 0.000009442 | 0.000980 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04585 | -0.21532 | 0.31679 | 0.17650 |
| 2 | 1.04585 | 0.00301 | -0.00196 | -0.00107 |
| 3 | 1.04585 | -0.00196 | 0.00450 | 0.00008 |
| 4 | 1.04585 | -0.00107 | 0.00008 | 0.00100 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA149 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 869 |
| Noncensored Values | 648 |
| Right Censored Values | 221 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1276.719601 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 869 |
| Missing Values | 131 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2553.439 |
| AIC (smaller is better) | 2563.439 |
| AICC (smaller is better) | 2563.509 |
| BIC (smaller is better) | 2587.276 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2581.04 |
| Weibull AIC (smaller is better) | -2571.04 |
| Weibull AICC (smaller is better) | -2570.97 |
| Weibull BIC (smaller is better) | -2547.20 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.6346 | 0.0057 |
| M_cont | 1 | 2.8735 | 0.0901 |
| C | 1 | 1.5232 | 0.2171 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1336 | 0.0656 | -3.2622 | -3.0050 | 2280.11 | <.0001 |
| A | 1 | 0.2082 | 0.0754 | 0.0605 | 0.3559 | 7.63 | 0.0057 |
| M_cont | 1 | 0.0563 | 0.0332 | -0.0088 | 0.1215 | 2.87 | 0.0901 |
| C | 1 | 0.0474 | 0.0384 | -0.0279 | 0.1226 | 1.52 | 0.2171 |
| Scale | 1 | 0.9275 | 0.0320 | 0.8668 | 0.9924 | | |
| Weibull Shape | 1 | 1.0782 | 0.0372 | 1.0076 | 1.1537 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004306 | -0.002420 | 0.000215 | -0.001743 | -0.000021786 |
| A | -0.002420 | 0.005680 | -0.000405 | 0.000120 | 0.000134 |
| M_cont | 0.000215 | -0.000405 | 0.001105 | -0.000083661 | 0.000034331 |
| C | -0.001743 | 0.000120 | -0.000083661 | 0.001474 | 0.000011084 |
| Scale | -0.000021786 | 0.000134 | 0.000034331 | 0.000011084 | 0.001026 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06307 | -0.16495 | 0.22970 | 0.10273 |
| 2 | 1.06307 | 0.00316 | -0.00200 | -0.00114 |
| 3 | 1.06307 | -0.00200 | 0.00461 | 0.00001 |
| 4 | 1.06307 | -0.00114 | 0.00001 | 0.00111 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA150 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 611 |
| Right Censored Values | 263 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1265.931825 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2531.864 |
| AIC (smaller is better) | 2541.864 |
| AICC (smaller is better) | 2541.933 |
| BIC (smaller is better) | 2565.729 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2315.48 |
| Weibull AIC (smaller is better) | -2305.48 |
| Weibull AICC (smaller is better) | -2305.41 |
| Weibull BIC (smaller is better) | -2281.62 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.4093 | 0.0022 |
| M_cont | 1 | 2.5741 | 0.1086 |
| C | 1 | 0.0436 | 0.8347 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0040 | 0.0678 | -3.1369 | -2.8712 | 1964.16 | <.0001 |
| A | 1 | 0.2439 | 0.0795 | 0.0881 | 0.3998 | 9.41 | 0.0022 |
| M_cont | 1 | 0.0572 | 0.0356 | -0.0127 | 0.1270 | 2.57 | 0.1086 |
| C | 1 | 0.0082 | 0.0395 | -0.0692 | 0.0856 | 0.04 | 0.8347 |
| Scale | 1 | 0.9517 | 0.0339 | 0.8876 | 1.0206 | | |
| Weibull Shape | 1 | 1.0507 | 0.0374 | 0.9798 | 1.1267 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004594 | -0.002703 | 0.000305 | -0.001838 | 0.000072489 |
| A | -0.002703 | 0.006324 | -0.000158 | 0.000244 | 0.000180 |
| M_cont | 0.000305 | -0.000158 | 0.001270 | -0.000227 | 0.000039747 |
| C | -0.001838 | 0.000244 | -0.000227 | 0.001559 | -0.000002818 |
| Scale | 0.000072489 | 0.000180 | 0.000039747 | -0.000002818 | 0.001150 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05714 | -0.16894 | 0.10595 | 0.13444 |
| 2 | 1.05714 | 0.00306 | -0.00205 | -0.00107 |
| 3 | 1.05714 | -0.00205 | 0.00457 | 0.00009 |
| 4 | 1.05714 | -0.00107 | 0.00009 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA151 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 646 |
| Right Censored Values | 227 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1270.944487 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2541.889 |
| AIC (smaller is better) | 2551.889 |
| AICC (smaller is better) | 2551.958 |
| BIC (smaller is better) | 2575.749 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2581.27 |
| Weibull AIC (smaller is better) | -2571.27 |
| Weibull AICC (smaller is better) | -2571.20 |
| Weibull BIC (smaller is better) | -2547.41 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.8052 | 0.0511 |
| M_cont | 1 | 4.1503 | 0.0416 |
| C | 1 | 0.4575 | 0.4988 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0305 | 0.0656 | -3.1592 | -2.9019 | 2131.83 | <.0001 |
| A | 1 | 0.1487 | 0.0762 | -0.0007 | 0.2980 | 3.81 | 0.0511 |
| M_cont | 1 | 0.0662 | 0.0325 | 0.0025 | 0.1298 | 4.15 | 0.0416 |
| C | 1 | -0.0254 | 0.0376 | -0.0990 | 0.0482 | 0.46 | 0.4988 |
| Scale | 1 | 0.9275 | 0.0317 | 0.8674 | 0.9919 | | |
| Weibull Shape | 1 | 1.0781 | 0.0369 | 1.0082 | 1.1529 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004308 | -0.002481 | 0.000184 | -0.001741 | 0.000037255 |
| A | -0.002481 | 0.005808 | -0.000367 | 0.000250 | 0.000076072 |
| M_cont | 0.000184 | -0.000367 | 0.001055 | -0.000107 | 0.000054152 |
| C | -0.001741 | 0.000250 | -0.000107 | 0.001411 | -0.000023638 |
| Scale | 0.000037255 | 0.000076072 | 0.000054152 | -0.000023638 | 0.001007 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07320 | -0.17765 | 0.24203 | 0.14170 |
| 2 | 1.07320 | 0.00312 | -0.00200 | -0.00113 |
| 3 | 1.07320 | -0.00200 | 0.00476 | 0.00005 |
| 4 | 1.07320 | -0.00113 | 0.00005 | 0.00109 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA152 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 875 |
| Noncensored Values | 647 |
| Right Censored Values | 228 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1253.695668 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |
| Missing Values | 125 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2507.391 |
| AIC (smaller is better) | 2517.391 |
| AICC (smaller is better) | 2517.460 |
| BIC (smaller is better) | 2541.262 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2562.38 |
| Weibull AIC (smaller is better) | -2552.38 |
| Weibull AICC (smaller is better) | -2552.31 |
| Weibull BIC (smaller is better) | -2528.50 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.4885 | 0.2224 |
| M_cont | 1 | 12.7455 | 0.0004 |
| C | 1 | 1.3382 | 0.2474 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0682 | 0.0624 | -3.1904 | -2.9459 | 2418.86 | <.0001 |
| A | 1 | 0.0867 | 0.0711 | -0.0526 | 0.2260 | 1.49 | 0.2224 |
| M_cont | 1 | 0.1110 | 0.0311 | 0.0501 | 0.1720 | 12.75 | 0.0004 |
| C | 1 | 0.0415 | 0.0358 | -0.0288 | 0.1117 | 1.34 | 0.2474 |
| Scale | 1 | 0.8910 | 0.0307 | 0.8328 | 0.9532 | | |
| Weibull Shape | 1 | 1.1223 | 0.0387 | 1.0491 | 1.2007 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003892 | -0.002348 | 0.000160 | -0.001492 | 0.000005037 |
| A | -0.002348 | 0.005050 | -0.000164 | 0.000162 | 0.000050409 |
| M_cont | 0.000160 | -0.000164 | 0.000967 | -0.000117 | 0.000077185 |
| C | -0.001492 | 0.000162 | -0.000117 | 0.001284 | 0.000017714 |
| Scale | 0.000005037 | 0.000050409 | 0.000077185 | 0.000017714 | 0.000942 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06048 | -0.14630 | 0.12893 | 0.14878 |
| 2 | 1.06048 | 0.00317 | -0.00206 | -0.00112 |
| 3 | 1.06048 | -0.00206 | 0.00456 | 0.00004 |
| 4 | 1.06048 | -0.00112 | 0.00004 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA153 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 867 |
| Noncensored Values | 628 |
| Right Censored Values | 239 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1223.969674 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 867 |
| Missing Values | 133 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2447.939 |
| AIC (smaller is better) | 2457.939 |
| AICC (smaller is better) | 2458.009 |
| BIC (smaller is better) | 2481.765 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2444.42 |
| Weibull AIC (smaller is better) | -2434.42 |
| Weibull AICC (smaller is better) | -2434.35 |
| Weibull BIC (smaller is better) | -2410.59 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.6367 | 0.4249 |
| M_cont | 1 | 5.2609 | 0.0218 |
| C | 1 | 5.7365 | 0.0166 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0730 | 0.0630 | -3.1965 | -2.9495 | 2379.44 | <.0001 |
| A | 1 | 0.0573 | 0.0718 | -0.0834 | 0.1980 | 0.64 | 0.4249 |
| M_cont | 1 | 0.0727 | 0.0317 | 0.0106 | 0.1348 | 5.26 | 0.0218 |
| C | 1 | 0.0887 | 0.0370 | 0.0161 | 0.1613 | 5.74 | 0.0166 |
| Scale | 1 | 0.8774 | 0.0307 | 0.8192 | 0.9397 | | |
| Weibull Shape | 1 | 1.1398 | 0.0399 | 1.0642 | 1.2207 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003969 | -0.002315 | 0.000203 | -0.001619 | 0.000014759 |
| A | -0.002315 | 0.005157 | -0.000184 | 0.000219 | 0.000016068 |
| M_cont | 0.000203 | -0.000184 | 0.001005 | -0.000143 | 0.000046270 |
| C | -0.001619 | 0.000219 | -0.000143 | 0.001372 | 0.000046673 |
| Scale | 0.000014759 | 0.000016068 | 0.000046270 | 0.000046673 | 0.000943 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06897 | -0.19957 | 0.18909 | 0.14600 |
| 2 | 1.06897 | 0.00328 | -0.00208 | -0.00122 |
| 3 | 1.06897 | -0.00208 | 0.00467 | 0.00008 |
| 4 | 1.06897 | -0.00122 | 0.00008 | 0.00115 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA154 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 866 |
| Noncensored Values | 648 |
| Right Censored Values | 218 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1268.688679 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 866 |
| Missing Values | 134 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2537.377 |
| AIC (smaller is better) | 2547.377 |
| AICC (smaller is better) | 2547.447 |
| BIC (smaller is better) | 2571.197 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2607.95 |
| Weibull AIC (smaller is better) | -2597.95 |
| Weibull AICC (smaller is better) | -2597.88 |
| Weibull BIC (smaller is better) | -2574.13 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.1778 | 0.1400 |
| M_cont | 1 | 9.9424 | 0.0016 |
| C | 1 | 0.0113 | 0.9154 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0696 | 0.0662 | -3.1993 | -2.9400 | 2152.48 | <.0001 |
| A | 1 | 0.1108 | 0.0751 | -0.0363 | 0.2579 | 2.18 | 0.1400 |
| M_cont | 1 | 0.1018 | 0.0323 | 0.0385 | 0.1651 | 9.94 | 0.0016 |
| C | 1 | 0.0040 | 0.0373 | -0.0692 | 0.0771 | 0.01 | 0.9154 |
| Scale | 1 | 0.9281 | 0.0318 | 0.8678 | 0.9926 | | |
| Weibull Shape | 1 | 1.0775 | 0.0369 | 1.0075 | 1.1524 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004378 | -0.002459 | 0.000139 | -0.001715 | 0.000015957 |
| A | -0.002459 | 0.005633 | -0.000366 | 0.000140 | 0.000053709 |
| M_cont | 0.000139 | -0.000366 | 0.001043 | -0.000050962 | 0.000075893 |
| C | -0.001715 | 0.000140 | -0.000050962 | 0.001394 | -0.000008970 |
| Scale | 0.000015957 | 0.000053709 | 0.000075893 | -0.000008970 | 0.001012 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05829 | -0.13625 | 0.16302 | 0.12946 |
| 2 | 1.05829 | 0.00309 | -0.00201 | -0.00106 |
| 3 | 1.05829 | -0.00201 | 0.00457 | 0.00005 |
| 4 | 1.05829 | -0.00106 | 0.00005 | 0.00100 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA155 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 909 |
| Noncensored Values | 665 |
| Right Censored Values | 244 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1293.77898 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 909 |
| Missing Values | 91 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2587.558 |
| AIC (smaller is better) | 2597.558 |
| AICC (smaller is better) | 2597.624 |
| BIC (smaller is better) | 2621.620 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2628.88 |
| Weibull AIC (smaller is better) | -2618.88 |
| Weibull AICC (smaller is better) | -2618.81 |
| Weibull BIC (smaller is better) | -2594.82 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 10.4618 | 0.0012 |
| M_cont | 1 | 8.6792 | 0.0032 |
| C | 1 | 6.9906 | 0.0082 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1829 | 0.0601 | -3.3006 | -3.0652 | 2809.06 | <.0001 |
| A | 1 | 0.2278 | 0.0704 | 0.0898 | 0.3659 | 10.46 | 0.0012 |
| M_cont | 1 | 0.0944 | 0.0320 | 0.0316 | 0.1572 | 8.68 | 0.0032 |
| C | 1 | 0.0955 | 0.0361 | 0.0247 | 0.1662 | 6.99 | 0.0082 |
| Scale | 1 | 0.8932 | 0.0303 | 0.8358 | 0.9546 | | |
| Weibull Shape | 1 | 1.1195 | 0.0380 | 1.0475 | 1.1965 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003607 | -0.002060 | 0.000150 | -0.001404 | -0.000073867 |
| A | -0.002060 | 0.004961 | -0.000174 | -0.000039261 | 0.000142 |
| M_cont | 0.000150 | -0.000174 | 0.001026 | -0.000109 | 0.000053889 |
| C | -0.001404 | -0.000039261 | -0.000109 | 0.001304 | 0.000058913 |
| Scale | -0.000073867 | 0.000142 | 0.000053889 | 0.000058913 | 0.000918 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05510 | -0.15428 | 0.13943 | 0.16342 |
| 2 | 1.05510 | 0.00323 | -0.00198 | -0.00114 |
| 3 | 1.05510 | -0.00198 | 0.00449 | -0.00007 |
| 4 | 1.05510 | -0.00114 | -0.00007 | 0.00110 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA156 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 869 |
| Noncensored Values | 655 |
| Right Censored Values | 214 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1201.800331 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 869 |
| Missing Values | 131 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2403.601 |
| AIC (smaller is better) | 2413.601 |
| AICC (smaller is better) | 2413.670 |
| BIC (smaller is better) | 2437.437 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2637.29 |
| Weibull AIC (smaller is better) | -2627.29 |
| Weibull AICC (smaller is better) | -2627.22 |
| Weibull BIC (smaller is better) | -2603.45 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.3068 | 0.0380 |
| M_cont | 1 | 4.2784 | 0.0386 |
| C | 1 | 12.5493 | 0.0004 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1933 | 0.0562 | -3.3035 | -3.0832 | 3226.95 | <.0001 |
| A | 1 | 0.1365 | 0.0658 | 0.0076 | 0.2654 | 4.31 | 0.0380 |
| M_cont | 1 | 0.0599 | 0.0290 | 0.0031 | 0.1167 | 4.28 | 0.0386 |
| C | 1 | 0.1206 | 0.0340 | 0.0539 | 0.1873 | 12.55 | 0.0004 |
| Scale | 1 | 0.8264 | 0.0282 | 0.7730 | 0.8835 | | |
| Weibull Shape | 1 | 1.2100 | 0.0413 | 1.1318 | 1.2937 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003160 | -0.001871 | 0.000139 | -0.001233 | -0.000060781 |
| A | -0.001871 | 0.004326 | -0.000255 | 0.000009549 | 0.000055738 |
| M_cont | 0.000139 | -0.000255 | 0.000839 | -0.000086804 | 0.000035836 |
| C | -0.001233 | 0.000009549 | -0.000086804 | 0.001159 | 0.000050528 |
| Scale | -0.000060781 | 0.000055738 | 0.000035836 | 0.000050528 | 0.000794 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07676 | -0.18678 | 0.17510 | 0.18010 |
| 2 | 1.07676 | 0.00317 | -0.00206 | -0.00110 |
| 3 | 1.07676 | -0.00206 | 0.00468 | -0.00006 |
| 4 | 1.07676 | -0.00110 | -0.00006 | 0.00114 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA157 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 642 |
| Right Censored Values | 237 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1264.709297 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2529.419 |
| AIC (smaller is better) | 2539.419 |
| AICC (smaller is better) | 2539.487 |
| BIC (smaller is better) | 2563.313 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2503.66 |
| Weibull AIC (smaller is better) | -2493.66 |
| Weibull AICC (smaller is better) | -2493.59 |
| Weibull BIC (smaller is better) | -2469.76 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 6.8702 | 0.0088 |
| M_cont | 1 | 4.5708 | 0.0325 |
| C | 1 | 4.7600 | 0.0291 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1277 | 0.0631 | -3.2513 | -3.0040 | 2458.23 | <.0001 |
| A | 1 | 0.1933 | 0.0737 | 0.0488 | 0.3378 | 6.87 | 0.0088 |
| M_cont | 1 | 0.0671 | 0.0314 | 0.0056 | 0.1286 | 4.57 | 0.0325 |
| C | 1 | 0.0824 | 0.0378 | 0.0084 | 0.1565 | 4.76 | 0.0291 |
| Scale | 1 | 0.9051 | 0.0315 | 0.8455 | 0.9689 | | |
| Weibull Shape | 1 | 1.1048 | 0.0384 | 1.0321 | 1.1827 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003979 | -0.002285 | 0.000172 | -0.001637 | -0.000032367 |
| A | -0.002285 | 0.005438 | -0.000236 | 0.000167 | 0.000128 |
| M_cont | 0.000172 | -0.000236 | 0.000985 | -0.000173 | 0.000044249 |
| C | -0.001637 | 0.000167 | -0.000173 | 0.001428 | 0.000040861 |
| Scale | -0.000032367 | 0.000128 | 0.000044249 | 0.000040861 | 0.000989 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07424 | -0.18479 | 0.23859 | 0.19867 |
| 2 | 1.07424 | 0.00321 | -0.00205 | -0.00114 |
| 3 | 1.07424 | -0.00205 | 0.00472 | 0.00004 |
| 4 | 1.07424 | -0.00114 | 0.00004 | 0.00109 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA158 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 876 |
| Noncensored Values | 633 |
| Right Censored Values | 243 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1337.131745 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |
| Missing Values | 124 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2674.263 |
| AIC (smaller is better) | 2684.263 |
| AICC (smaller is better) | 2684.332 |
| BIC (smaller is better) | 2708.140 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2485.19 |
| Weibull AIC (smaller is better) | -2475.19 |
| Weibull AICC (smaller is better) | -2475.12 |
| Weibull BIC (smaller is better) | -2451.31 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.8455 | 0.0156 |
| M_cont | 1 | 2.1397 | 0.1435 |
| C | 1 | 2.9436 | 0.0862 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1347 | 0.0741 | -3.2799 | -2.9894 | 1789.04 | <.0001 |
| A | 1 | 0.2029 | 0.0839 | 0.0384 | 0.3674 | 5.85 | 0.0156 |
| M_cont | 1 | 0.0528 | 0.0361 | -0.0179 | 0.1235 | 2.14 | 0.1435 |
| C | 1 | 0.0763 | 0.0445 | -0.0109 | 0.1635 | 2.94 | 0.0862 |
| Scale | 1 | 1.0277 | 0.0361 | 0.9594 | 1.1009 | | |
| Weibull Shape | 1 | 0.9731 | 0.0341 | 0.9084 | 1.0423 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.005492 | -0.003225 | 0.000321 | -0.002272 | 0.000026704 |
| A | -0.003225 | 0.007042 | -0.000451 | 0.000292 | 0.000133 |
| M_cont | 0.000321 | -0.000451 | 0.001303 | -0.000235 | 0.000025760 |
| C | -0.002272 | 0.000292 | -0.000235 | 0.001978 | 0.000023132 |
| Scale | 0.000026704 | 0.000133 | 0.000025760 | 0.000023132 | 0.001300 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08542 | -0.22480 | 0.23857 | 0.18689 |
| 2 | 1.08542 | 0.00327 | -0.00214 | -0.00113 |
| 3 | 1.08542 | -0.00214 | 0.00476 | -0.00000 |
| 4 | 1.08542 | -0.00113 | -0.00000 | 0.00113 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA159 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 891 |
| Noncensored Values | 631 |
| Right Censored Values | 260 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1278.114529 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 891 |
| Missing Values | 109 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2556.229 |
| AIC (smaller is better) | 2566.229 |
| AICC (smaller is better) | 2566.297 |
| BIC (smaller is better) | 2590.191 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2405.17 |
| Weibull AIC (smaller is better) | -2395.17 |
| Weibull AICC (smaller is better) | -2395.11 |
| Weibull BIC (smaller is better) | -2371.21 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.5979 | 0.0180 |
| M_cont | 1 | 8.8467 | 0.0029 |
| C | 1 | 0.7109 | 0.3991 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0225 | 0.0674 | -3.1546 | -2.8904 | 2011.37 | <.0001 |
| A | 1 | 0.1788 | 0.0756 | 0.0307 | 0.3269 | 5.60 | 0.0180 |
| M_cont | 1 | 0.1023 | 0.0344 | 0.0349 | 0.1697 | 8.85 | 0.0029 |
| C | 1 | 0.0330 | 0.0391 | -0.0437 | 0.1097 | 0.71 | 0.3991 |
| Scale | 1 | 0.9213 | 0.0324 | 0.8600 | 0.9870 | | |
| Weibull Shape | 1 | 1.0854 | 0.0382 | 1.0132 | 1.1628 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004542 | -0.002641 | 0.000293 | -0.001854 | 0.000037723 |
| A | -0.002641 | 0.005709 | -0.000319 | 0.000278 | 0.000151 |
| M_cont | 0.000293 | -0.000319 | 0.001183 | -0.000142 | 0.000071653 |
| C | -0.001854 | 0.000278 | -0.000142 | 0.001531 | 0.000010985 |
| Scale | 0.000037723 | 0.000151 | 0.000071653 | 0.000010985 | 0.001049 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04687 | -0.24331 | 0.21066 | 0.16986 |
| 2 | 1.04687 | 0.00325 | -0.00208 | -0.00121 |
| 3 | 1.04687 | -0.00208 | 0.00447 | 0.00012 |
| 4 | 1.04687 | -0.00121 | 0.00012 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA160 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 889 |
| Noncensored Values | 627 |
| Right Censored Values | 262 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1274.799939 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 889 |
| Missing Values | 111 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2549.600 |
| AIC (smaller is better) | 2559.600 |
| AICC (smaller is better) | 2559.668 |
| BIC (smaller is better) | 2583.550 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2401.05 |
| Weibull AIC (smaller is better) | -2391.05 |
| Weibull AICC (smaller is better) | -2390.98 |
| Weibull BIC (smaller is better) | -2367.10 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.5186 | 0.0607 |
| M_cont | 1 | 0.8379 | 0.3600 |
| C | 1 | 16.3880 | <.0001 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1543 | 0.0648 | -3.2812 | -3.0274 | 2372.86 | <.0001 |
| A | 1 | 0.1409 | 0.0751 | -0.0063 | 0.2881 | 3.52 | 0.0607 |
| M_cont | 1 | 0.0323 | 0.0353 | -0.0368 | 0.1014 | 0.84 | 0.3600 |
| C | 1 | 0.1573 | 0.0389 | 0.0811 | 0.2335 | 16.39 | <.0001 |
| Scale | 1 | 0.9276 | 0.0326 | 0.8659 | 0.9937 | | |
| Weibull Shape | 1 | 1.0781 | 0.0378 | 1.0064 | 1.1548 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004193 | -0.002558 | 0.000209 | -0.001599 | -0.000032442 |
| A | -0.002558 | 0.005642 | -0.000331 | 0.000067316 | 0.000089717 |
| M_cont | 0.000209 | -0.000331 | 0.001244 | -0.000200 | 0.000018559 |
| C | -0.001599 | 0.000067316 | -0.000200 | 0.001510 | 0.000098472 |
| Scale | -0.000032442 | 0.000089717 | 0.000018559 | 0.000098472 | 0.001060 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03972 | -0.18230 | 0.18514 | 0.18880 |
| 2 | 1.03972 | 0.00306 | -0.00198 | -0.00103 |
| 3 | 1.03972 | -0.00198 | 0.00435 | -0.00004 |
| 4 | 1.03972 | -0.00103 | -0.00004 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA161 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 640 |
| Right Censored Values | 247 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1259.54436 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2519.089 |
| AIC (smaller is better) | 2529.089 |
| AICC (smaller is better) | 2529.157 |
| BIC (smaller is better) | 2553.028 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2485.58 |
| Weibull AIC (smaller is better) | -2475.58 |
| Weibull AICC (smaller is better) | -2475.51 |
| Weibull BIC (smaller is better) | -2451.64 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 16.9549 | <.0001 |
| M_cont | 1 | 1.1854 | 0.2763 |
| C | 1 | 1.4149 | 0.2342 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1118 | 0.0609 | -3.2312 | -2.9925 | 2611.39 | <.0001 |
| A | 1 | 0.3047 | 0.0740 | 0.1597 | 0.4498 | 16.95 | <.0001 |
| M_cont | 1 | 0.0337 | 0.0310 | -0.0270 | 0.0944 | 1.19 | 0.2763 |
| C | 1 | 0.0442 | 0.0372 | -0.0287 | 0.1171 | 1.41 | 0.2342 |
| Scale | 1 | 0.8952 | 0.0310 | 0.8364 | 0.9580 | | |
| Weibull Shape | 1 | 1.1171 | 0.0387 | 1.0438 | 1.1956 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003708 | -0.001985 | 0.000032492 | -0.001543 | -0.000036117 |
| A | -0.001985 | 0.005477 | -0.000200 | 0.000023236 | 0.000210 |
| M_cont | 0.000032492 | -0.000200 | 0.000958 | -0.000114 | 0.000011321 |
| C | -0.001543 | 0.000023236 | -0.000114 | 0.001383 | 0.000029029 |
| Scale | -0.000036117 | 0.000210 | 0.000011321 | 0.000029029 | 0.000961 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07475 | -0.13587 | 0.16296 | 0.19993 |
| 2 | 1.07475 | 0.00314 | -0.00198 | -0.00115 |
| 3 | 1.07475 | -0.00198 | 0.00476 | 0.00001 |
| 4 | 1.07475 | -0.00115 | 0.00001 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA162 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 888 |
| Noncensored Values | 647 |
| Right Censored Values | 241 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1287.043979 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 888 |
| Missing Values | 112 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2574.088 |
| AIC (smaller is better) | 2584.088 |
| AICC (smaller is better) | 2584.156 |
| BIC (smaller is better) | 2608.033 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2508.47 |
| Weibull AIC (smaller is better) | -2498.47 |
| Weibull AICC (smaller is better) | -2498.40 |
| Weibull BIC (smaller is better) | -2474.53 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.5009 | 0.0190 |
| M_cont | 1 | 1.1198 | 0.2900 |
| C | 1 | 0.7424 | 0.3889 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0513 | 0.0602 | -3.1693 | -2.9334 | 2571.62 | <.0001 |
| A | 1 | 0.1729 | 0.0737 | 0.0284 | 0.3174 | 5.50 | 0.0190 |
| M_cont | 1 | 0.0368 | 0.0348 | -0.0314 | 0.1051 | 1.12 | 0.2900 |
| C | 1 | 0.0314 | 0.0365 | -0.0401 | 0.1030 | 0.74 | 0.3889 |
| Scale | 1 | 0.9150 | 0.0318 | 0.8548 | 0.9795 | | |
| Weibull Shape | 1 | 1.0929 | 0.0380 | 1.0209 | 1.1699 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003621 | -0.002026 | 0.000047268 | -0.001384 | 0.000013164 |
| A | -0.002026 | 0.005435 | -0.000192 | -0.000124 | 0.000130 |
| M_cont | 0.000047268 | -0.000192 | 0.001213 | -0.000139 | 0.000016783 |
| C | -0.001384 | -0.000124 | -0.000139 | 0.001332 | 0.000009463 |
| Scale | 0.000013164 | 0.000130 | 0.000016783 | 0.000009463 | 0.001010 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01679 | -0.12858 | 0.072137 | 0.19361 |
| 2 | 1.01679 | 0.00266 | -0.001705 | -0.00090 |
| 3 | 1.01679 | -0.00171 | 0.004237 | -0.00010 |
| 4 | 1.01679 | -0.00090 | -0.000105 | 0.00096 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA163 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 889 |
| Noncensored Values | 641 |
| Right Censored Values | 248 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1248.320547 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 889 |
| Missing Values | 111 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2496.641 |
| AIC (smaller is better) | 2506.641 |
| AICC (smaller is better) | 2506.709 |
| BIC (smaller is better) | 2530.592 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2459.00 |
| Weibull AIC (smaller is better) | -2449.00 |
| Weibull AICC (smaller is better) | -2448.94 |
| Weibull BIC (smaller is better) | -2425.05 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.1299 | 0.7185 |
| M_cont | 1 | 6.5830 | 0.0103 |
| C | 1 | 2.7005 | 0.1003 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0063 | 0.0650 | -3.1337 | -2.8788 | 2136.90 | <.0001 |
| A | 1 | 0.0250 | 0.0692 | -0.1107 | 0.1606 | 0.13 | 0.7185 |
| M_cont | 1 | 0.0786 | 0.0306 | 0.0186 | 0.1386 | 6.58 | 0.0103 |
| C | 1 | 0.0612 | 0.0372 | -0.0118 | 0.1341 | 2.70 | 0.1003 |
| Scale | 1 | 0.8697 | 0.0303 | 0.8124 | 0.9311 | | |
| Weibull Shape | 1 | 1.1498 | 0.0400 | 1.0740 | 1.2309 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004229 | -0.002379 | 0.000072180 | -0.001680 | 0.000038957 |
| A | -0.002379 | 0.004792 | -0.000156 | 0.000155 | -0.000001599 |
| M_cont | 0.000072180 | -0.000156 | 0.000939 | -0.000032025 | 0.000054017 |
| C | -0.001680 | 0.000155 | -0.000032025 | 0.001386 | 0.000033589 |
| Scale | 0.000038957 | -0.000001599 | 0.000054017 | 0.000033589 | 0.000915 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07278 | -0.12299 | 0.10340 | 0.11834 |
| 2 | 1.07278 | 0.00355 | -0.00230 | -0.00126 |
| 3 | 1.07278 | -0.00230 | 0.00464 | 0.00013 |
| 4 | 1.07278 | -0.00126 | 0.00013 | 0.00114 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA164 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 644 |
| Right Censored Values | 229 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1268.917482 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2537.835 |
| AIC (smaller is better) | 2547.835 |
| AICC (smaller is better) | 2547.904 |
| BIC (smaller is better) | 2571.695 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2555.99 |
| Weibull AIC (smaller is better) | -2545.99 |
| Weibull AICC (smaller is better) | -2545.92 |
| Weibull BIC (smaller is better) | -2522.13 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.4623 | 0.0347 |
| M_cont | 1 | 3.4466 | 0.0634 |
| C | 1 | 0.4530 | 0.5009 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0825 | 0.0650 | -3.2098 | -2.9552 | 2251.42 | <.0001 |
| A | 1 | 0.1601 | 0.0758 | 0.0116 | 0.3086 | 4.46 | 0.0347 |
| M_cont | 1 | 0.0624 | 0.0336 | -0.0035 | 0.1283 | 3.45 | 0.0634 |
| C | 1 | 0.0263 | 0.0391 | -0.0503 | 0.1030 | 0.45 | 0.5009 |
| Scale | 1 | 0.9214 | 0.0317 | 0.8612 | 0.9857 | | |
| Weibull Shape | 1 | 1.0853 | 0.0374 | 1.0145 | 1.1611 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004220 | -0.002140 | 0.000349 | -0.001764 | -0.000008194 |
| A | -0.002140 | 0.005742 | -0.000460 | -0.000073532 | 0.000092283 |
| M_cont | 0.000349 | -0.000460 | 0.001130 | -0.000191 | 0.000045398 |
| C | -0.001764 | -0.000073532 | -0.000191 | 0.001530 | 0.000018832 |
| Scale | -0.000008194 | 0.000092283 | 0.000045398 | 0.000018832 | 0.001007 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05646 | -0.21716 | 0.19286 | 0.17502 |
| 2 | 1.05646 | 0.00308 | -0.00187 | -0.00112 |
| 3 | 1.05646 | -0.00187 | 0.00457 | -0.00007 |
| 4 | 1.05646 | -0.00112 | -0.00007 | 0.00109 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA165 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 613 |
| Right Censored Values | 266 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1270.365898 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2540.732 |
| AIC (smaller is better) | 2550.732 |
| AICC (smaller is better) | 2550.801 |
| BIC (smaller is better) | 2574.626 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2314.03 |
| Weibull AIC (smaller is better) | -2304.03 |
| Weibull AICC (smaller is better) | -2303.96 |
| Weibull BIC (smaller is better) | -2280.14 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0035 | 0.9525 |
| M_cont | 1 | 2.4275 | 0.1192 |
| C | 1 | 0.1162 | 0.7332 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.8840 | 0.0714 | -3.0239 | -2.7441 | 1632.56 | <.0001 |
| A | 1 | 0.0046 | 0.0774 | -0.1471 | 0.1564 | 0.00 | 0.9525 |
| M_cont | 1 | 0.0525 | 0.0337 | -0.0136 | 0.1186 | 2.43 | 0.1192 |
| C | 1 | -0.0144 | 0.0421 | -0.0969 | 0.0682 | 0.12 | 0.7332 |
| Scale | 1 | 0.9448 | 0.0336 | 0.8812 | 1.0131 | | |
| Weibull Shape | 1 | 1.0584 | 0.0377 | 0.9871 | 1.1348 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.005095 | -0.002429 | 0.000156 | -0.002132 | 0.000170 |
| A | -0.002429 | 0.005995 | -0.000064902 | -0.000055790 | -0.000021676 |
| M_cont | 0.000156 | -0.000064902 | 0.001137 | -0.000220 | 0.000035751 |
| C | -0.002132 | -0.000055790 | -0.000220 | 0.001775 | -0.000015848 |
| Scale | 0.000170 | -0.000021676 | 0.000035751 | -0.000015848 | 0.001131 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08029 | -0.15406 | 0.068941 | 0.18529 |
| 2 | 1.08029 | 0.00339 | -0.001926 | -0.00131 |
| 3 | 1.08029 | -0.00193 | 0.004814 | -0.00006 |
| 4 | 1.08029 | -0.00131 | -0.000062 | 0.00122 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA166 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 883 |
| Noncensored Values | 674 |
| Right Censored Values | 209 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1260.639622 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 883 |
| Missing Values | 117 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2521.279 |
| AIC (smaller is better) | 2531.279 |
| AICC (smaller is better) | 2531.348 |
| BIC (smaller is better) | 2555.196 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2745.07 |
| Weibull AIC (smaller is better) | -2735.07 |
| Weibull AICC (smaller is better) | -2735.00 |
| Weibull BIC (smaller is better) | -2711.16 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.5993 | 0.0320 |
| M_cont | 1 | 4.4296 | 0.0353 |
| C | 1 | 1.3967 | 0.2373 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1345 | 0.0600 | -3.2520 | -3.0169 | 2730.25 | <.0001 |
| A | 1 | 0.1478 | 0.0689 | 0.0127 | 0.2829 | 4.60 | 0.0320 |
| M_cont | 1 | 0.0614 | 0.0292 | 0.0042 | 0.1185 | 4.43 | 0.0353 |
| C | 1 | 0.0411 | 0.0348 | -0.0271 | 0.1094 | 1.40 | 0.2373 |
| Scale | 1 | 0.8653 | 0.0291 | 0.8100 | 0.9243 | | |
| Weibull Shape | 1 | 1.1557 | 0.0389 | 1.0819 | 1.2345 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003598 | -0.002051 | 0.000188 | -0.001468 | -0.000035255 |
| A | -0.002051 | 0.004749 | -0.000193 | 0.000182 | 0.000082322 |
| M_cont | 0.000188 | -0.000193 | 0.000850 | -0.000110 | 0.000035584 |
| C | -0.001468 | 0.000182 | -0.000110 | 0.001212 | 0.000013367 |
| Scale | -0.000035255 | 0.000082322 | 0.000035584 | 0.000013367 | 0.000848 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.09415 | -0.23682 | 0.17822 | 0.16160 |
| 2 | 1.09415 | 0.00349 | -0.00224 | -0.00129 |
| 3 | 1.09415 | -0.00224 | 0.00492 | 0.00015 |
| 4 | 1.09415 | -0.00129 | 0.00015 | 0.00118 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA167 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 876 |
| Noncensored Values | 633 |
| Right Censored Values | 243 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1260.927997 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |
| Missing Values | 124 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2521.856 |
| AIC (smaller is better) | 2531.856 |
| AICC (smaller is better) | 2531.925 |
| BIC (smaller is better) | 2555.733 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2464.37 |
| Weibull AIC (smaller is better) | -2454.37 |
| Weibull AICC (smaller is better) | -2454.30 |
| Weibull BIC (smaller is better) | -2430.49 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.6601 | 0.0174 |
| M_cont | 1 | 2.6257 | 0.1051 |
| C | 1 | 0.6273 | 0.4283 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0570 | 0.0649 | -3.1841 | -2.9298 | 2219.21 | <.0001 |
| A | 1 | 0.1783 | 0.0749 | 0.0314 | 0.3251 | 5.66 | 0.0174 |
| M_cont | 1 | 0.0526 | 0.0325 | -0.0110 | 0.1163 | 2.63 | 0.1051 |
| C | 1 | 0.0297 | 0.0375 | -0.0438 | 0.1032 | 0.63 | 0.4283 |
| Scale | 1 | 0.9149 | 0.0319 | 0.8545 | 0.9796 | | |
| Weibull Shape | 1 | 1.0930 | 0.0381 | 1.0209 | 1.1703 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004211 | -0.002440 | 0.000187 | -0.001684 | 0.000032781 |
| A | -0.002440 | 0.005614 | -0.000237 | 0.000205 | 0.000107 |
| M_cont | 0.000187 | -0.000237 | 0.001055 | -0.000126 | 0.000031799 |
| C | -0.001684 | 0.000205 | -0.000126 | 0.001406 | 0.000004830 |
| Scale | 0.000032781 | 0.000107 | 0.000031799 | 0.000004830 | 0.001016 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05172 | -0.17885 | 0.12817 | 0.15875 |
| 2 | 1.05172 | 0.00309 | -0.00202 | -0.00109 |
| 3 | 1.05172 | -0.00202 | 0.00454 | 0.00010 |
| 4 | 1.05172 | -0.00109 | 0.00010 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA168 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 876 |
| Noncensored Values | 631 |
| Right Censored Values | 245 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1232.338515 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 876 |
| Missing Values | 124 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2464.677 |
| AIC (smaller is better) | 2474.677 |
| AICC (smaller is better) | 2474.746 |
| BIC (smaller is better) | 2498.554 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2454.18 |
| Weibull AIC (smaller is better) | -2444.18 |
| Weibull AICC (smaller is better) | -2444.11 |
| Weibull BIC (smaller is better) | -2420.30 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 10.8776 | 0.0010 |
| M_cont | 1 | 0.1095 | 0.7408 |
| C | 1 | 4.7466 | 0.0294 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1351 | 0.0632 | -3.2590 | -3.0112 | 2458.74 | <.0001 |
| A | 1 | 0.2375 | 0.0720 | 0.0964 | 0.3787 | 10.88 | 0.0010 |
| M_cont | 1 | 0.0105 | 0.0317 | -0.0516 | 0.0726 | 0.11 | 0.7408 |
| C | 1 | 0.0773 | 0.0355 | 0.0078 | 0.1469 | 4.75 | 0.0294 |
| Scale | 1 | 0.8806 | 0.0306 | 0.8226 | 0.9428 | | |
| Weibull Shape | 1 | 1.1355 | 0.0395 | 1.0607 | 1.2157 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003997 | -0.002359 | 0.000081408 | -0.001554 | -0.000036583 |
| A | -0.002359 | 0.005186 | -0.000203 | 0.000233 | 0.000155 |
| M_cont | 0.000081408 | -0.000203 | 0.001004 | -0.000091206 | 0.000003736 |
| C | -0.001554 | 0.000233 | -0.000091206 | 0.001260 | 0.000041249 |
| Scale | -0.000036583 | 0.000155 | 0.000003736 | 0.000041249 | 0.000939 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04698 | -0.19356 | 0.19181 | 0.15705 |
| 2 | 1.04698 | 0.00323 | -0.00206 | -0.00113 |
| 3 | 1.04698 | -0.00206 | 0.00445 | 0.00009 |
| 4 | 1.04698 | -0.00113 | 0.00009 | 0.00101 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA169 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 863 |
| Noncensored Values | 661 |
| Right Censored Values | 202 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1230.496252 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 863 |
| Missing Values | 137 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2460.993 |
| AIC (smaller is better) | 2470.993 |
| AICC (smaller is better) | 2471.063 |
| BIC (smaller is better) | 2494.795 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2699.62 |
| Weibull AIC (smaller is better) | -2689.62 |
| Weibull AICC (smaller is better) | -2689.55 |
| Weibull BIC (smaller is better) | -2665.81 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.9235 | 0.0873 |
| M_cont | 1 | 1.6813 | 0.1948 |
| C | 1 | 3.0418 | 0.0811 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1573 | 0.0608 | -3.2766 | -3.0381 | 2693.22 | <.0001 |
| A | 1 | 0.1179 | 0.0690 | -0.0172 | 0.2531 | 2.92 | 0.0873 |
| M_cont | 1 | 0.0394 | 0.0304 | -0.0202 | 0.0990 | 1.68 | 0.1948 |
| C | 1 | 0.0609 | 0.0349 | -0.0075 | 0.1294 | 3.04 | 0.0811 |
| Scale | 1 | 0.8681 | 0.0293 | 0.8124 | 0.9275 | | |
| Weibull Shape | 1 | 1.1520 | 0.0389 | 1.0782 | 1.2309 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003701 | -0.002034 | 0.000202 | -0.001467 | -0.000062254 |
| A | -0.002034 | 0.004755 | -0.000185 | 0.000079379 | 0.000083850 |
| M_cont | 0.000202 | -0.000185 | 0.000923 | -0.000175 | 0.000030568 |
| C | -0.001467 | 0.000079379 | -0.000175 | 0.001221 | 0.000023290 |
| Scale | -0.000062254 | 0.000083850 | 0.000030568 | 0.000023290 | 0.000861 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03768 | -0.17160 | 0.098895 | 0.16976 |
| 2 | 1.03768 | 0.00288 | -0.001799 | -0.00098 |
| 3 | 1.03768 | -0.00180 | 0.004407 | -0.00008 |
| 4 | 1.03768 | -0.00098 | -0.000078 | 0.00095 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA170 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 886 |
| Noncensored Values | 632 |
| Right Censored Values | 254 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1264.795105 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 886 |
| Missing Values | 114 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2529.590 |
| AIC (smaller is better) | 2539.590 |
| AICC (smaller is better) | 2539.658 |
| BIC (smaller is better) | 2563.524 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2419.19 |
| Weibull AIC (smaller is better) | -2409.19 |
| Weibull AICC (smaller is better) | -2409.12 |
| Weibull BIC (smaller is better) | -2385.26 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.8727 | 0.0491 |
| M_cont | 1 | 1.7570 | 0.1850 |
| C | 1 | 1.5960 | 0.2065 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0427 | 0.0624 | -3.1649 | -2.9204 | 2379.99 | <.0001 |
| A | 1 | 0.1432 | 0.0727 | 0.0006 | 0.2857 | 3.87 | 0.0491 |
| M_cont | 1 | 0.0440 | 0.0332 | -0.0211 | 0.1091 | 1.76 | 0.1850 |
| C | 1 | 0.0464 | 0.0368 | -0.0256 | 0.1185 | 1.60 | 0.2065 |
| Scale | 1 | 0.9031 | 0.0317 | 0.8430 | 0.9674 | | |
| Weibull Shape | 1 | 1.1073 | 0.0389 | 1.0337 | 1.1863 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003890 | -0.002140 | 0.000048812 | -0.001461 | 0.000038832 |
| A | -0.002140 | 0.005292 | -0.000147 | -0.000116 | 0.000104 |
| M_cont | 0.000048812 | -0.000147 | 0.001102 | -0.000163 | 0.000029817 |
| C | -0.001461 | -0.000116 | -0.000163 | 0.001351 | 0.000012180 |
| Scale | 0.000038832 | 0.000104 | 0.000029817 | 0.000012180 | 0.001007 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04561 | -0.066460 | 0.11051 | 0.17000 |
| 2 | 1.04561 | 0.003104 | -0.00195 | -0.00107 |
| 3 | 1.04561 | -0.001945 | 0.00441 | -0.00005 |
| 4 | 1.04561 | -0.001066 | -0.00005 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA171 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 644 |
| Right Censored Values | 243 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1316.489365 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2632.979 |
| AIC (smaller is better) | 2642.979 |
| AICC (smaller is better) | 2643.047 |
| BIC (smaller is better) | 2666.918 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2555.48 |
| Weibull AIC (smaller is better) | -2545.48 |
| Weibull AICC (smaller is better) | -2545.41 |
| Weibull BIC (smaller is better) | -2521.54 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.8650 | 0.0905 |
| M_cont | 1 | 6.0868 | 0.0136 |
| C | 1 | 15.9403 | <.0001 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.2026 | 0.0651 | -3.3301 | -3.0750 | 2421.43 | <.0001 |
| A | 1 | 0.1316 | 0.0777 | -0.0208 | 0.2839 | 2.86 | 0.0905 |
| M_cont | 1 | 0.0818 | 0.0332 | 0.0168 | 0.1468 | 6.09 | 0.0136 |
| C | 1 | 0.1578 | 0.0395 | 0.0803 | 0.2353 | 15.94 | <.0001 |
| Scale | 1 | 0.9699 | 0.0336 | 0.9063 | 1.0380 | | |
| Weibull Shape | 1 | 1.0310 | 0.0357 | 0.9634 | 1.1034 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004236 | -0.002612 | 0.000271 | -0.001643 | -0.000025558 |
| A | -0.002612 | 0.006040 | -0.000149 | 0.000099977 | 0.000066350 |
| M_cont | 0.000271 | -0.000149 | 0.001100 | -0.000194 | 0.000073707 |
| C | -0.001643 | 0.000099977 | -0.000194 | 0.001562 | 0.000080332 |
| Scale | -0.000025558 | 0.000066350 | 0.000073707 | 0.000080332 | 0.001128 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06383 | -0.18152 | 0.013733 | 0.19705 |
| 2 | 1.06383 | 0.00310 | -0.002053 | -0.00109 |
| 3 | 1.06383 | -0.00205 | 0.004604 | 0.00005 |
| 4 | 1.06383 | -0.00109 | 0.000046 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA172 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 898 |
| Noncensored Values | 674 |
| Right Censored Values | 224 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1323.833957 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 898 |
| Missing Values | 102 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2647.668 |
| AIC (smaller is better) | 2657.668 |
| AICC (smaller is better) | 2657.735 |
| BIC (smaller is better) | 2681.669 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2721.40 |
| Weibull AIC (smaller is better) | -2711.40 |
| Weibull AICC (smaller is better) | -2711.33 |
| Weibull BIC (smaller is better) | -2687.40 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.7654 | 0.1840 |
| M_cont | 1 | 3.2165 | 0.0729 |
| C | 1 | 6.5230 | 0.0106 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1632 | 0.0608 | -3.2825 | -3.0439 | 2702.80 | <.0001 |
| A | 1 | 0.0995 | 0.0749 | -0.0473 | 0.2462 | 1.77 | 0.1840 |
| M_cont | 1 | 0.0605 | 0.0337 | -0.0056 | 0.1266 | 3.22 | 0.0729 |
| C | 1 | 0.0948 | 0.0371 | 0.0221 | 0.1676 | 6.52 | 0.0106 |
| Scale | 1 | 0.9340 | 0.0314 | 0.8744 | 0.9976 | | |
| Weibull Shape | 1 | 1.0707 | 0.0360 | 1.0024 | 1.1437 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003702 | -0.002052 | 0.000276 | -0.001483 | -0.000045444 |
| A | -0.002052 | 0.005606 | -0.000358 | -0.000072941 | 0.000050175 |
| M_cont | 0.000276 | -0.000358 | 0.001137 | -0.000160 | 0.000026896 |
| C | -0.001483 | -0.000072941 | -0.000160 | 0.001378 | 0.000052092 |
| Scale | -0.000045444 | 0.000050175 | 0.000026896 | 0.000052092 | 0.000987 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04907 | -0.20396 | 0.20580 | 0.15476 |
| 2 | 1.04907 | 0.00292 | -0.00181 | -0.00105 |
| 3 | 1.04907 | -0.00181 | 0.00457 | -0.00004 |
| 4 | 1.04907 | -0.00105 | -0.00004 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA173 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 894 |
| Noncensored Values | 638 |
| Right Censored Values | 256 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1297.616127 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 894 |
| Missing Values | 106 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2595.232 |
| AIC (smaller is better) | 2605.232 |
| AICC (smaller is better) | 2605.300 |
| BIC (smaller is better) | 2629.211 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2445.80 |
| Weibull AIC (smaller is better) | -2435.80 |
| Weibull AICC (smaller is better) | -2435.74 |
| Weibull BIC (smaller is better) | -2411.82 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.1957 | 0.2742 |
| M_cont | 1 | 3.7113 | 0.0540 |
| C | 1 | 0.8646 | 0.3525 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0010 | 0.0675 | -3.1333 | -2.8688 | 1978.73 | <.0001 |
| A | 1 | 0.0823 | 0.0752 | -0.0652 | 0.2297 | 1.20 | 0.2742 |
| M_cont | 1 | 0.0631 | 0.0327 | -0.0011 | 0.1272 | 3.71 | 0.0540 |
| C | 1 | 0.0372 | 0.0400 | -0.0412 | 0.1155 | 0.86 | 0.3525 |
| Scale | 1 | 0.9338 | 0.0326 | 0.8720 | 0.9999 | | |
| Weibull Shape | 1 | 1.0709 | 0.0374 | 1.0001 | 1.1467 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004552 | -0.002532 | 0.000147 | -0.001878 | 0.000057987 |
| A | -0.002532 | 0.005660 | -0.000110 | 0.000171 | 0.000074339 |
| M_cont | 0.000147 | -0.000110 | 0.001072 | -0.000135 | 0.000046329 |
| C | -0.001878 | 0.000171 | -0.000135 | 0.001598 | 0.000015313 |
| Scale | 0.000057987 | 0.000074339 | 0.000046329 | 0.000015313 | 0.001062 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.08787 | -0.14991 | 0.067301 | 0.16527 |
| 2 | 1.08787 | 0.00337 | -0.002126 | -0.00124 |
| 3 | 1.08787 | -0.00213 | 0.004860 | 0.00008 |
| 4 | 1.08787 | -0.00124 | 0.000076 | 0.00115 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA174 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 898 |
| Noncensored Values | 640 |
| Right Censored Values | 258 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1270.901834 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 898 |
| Missing Values | 102 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2541.804 |
| AIC (smaller is better) | 2551.804 |
| AICC (smaller is better) | 2551.871 |
| BIC (smaller is better) | 2575.805 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2445.34 |
| Weibull AIC (smaller is better) | -2435.34 |
| Weibull AICC (smaller is better) | -2435.27 |
| Weibull BIC (smaller is better) | -2411.34 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.1885 | 0.0024 |
| M_cont | 1 | 1.8743 | 0.1710 |
| C | 1 | 10.8250 | 0.0010 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1335 | 0.0627 | -3.2564 | -3.0106 | 2495.80 | <.0001 |
| A | 1 | 0.2230 | 0.0736 | 0.0788 | 0.3672 | 9.19 | 0.0024 |
| M_cont | 1 | 0.0455 | 0.0332 | -0.0196 | 0.1106 | 1.87 | 0.1710 |
| C | 1 | 0.1270 | 0.0386 | 0.0514 | 0.2027 | 10.83 | 0.0010 |
| Scale | 1 | 0.8950 | 0.0312 | 0.8358 | 0.9583 | | |
| Weibull Shape | 1 | 1.1174 | 0.0390 | 1.0435 | 1.1965 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003934 | -0.002320 | 0.000406 | -0.001638 | -0.000074377 |
| A | -0.002320 | 0.005413 | -0.000395 | 0.000146 | 0.000183 |
| M_cont | 0.000406 | -0.000395 | 0.001103 | -0.000140 | 0.000029045 |
| C | -0.001638 | 0.000146 | -0.000140 | 0.001491 | 0.000093205 |
| Scale | -0.000074377 | 0.000183 | 0.000029045 | 0.000093205 | 0.000976 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05010 | -0.29097 | 0.13014 | 0.16332 |
| 2 | 1.05010 | 0.00310 | -0.00195 | -0.00116 |
| 3 | 1.05010 | -0.00195 | 0.00452 | 0.00004 |
| 4 | 1.05010 | -0.00116 | 0.00004 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA175 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 889 |
| Noncensored Values | 656 |
| Right Censored Values | 233 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1264.001625 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 889 |
| Missing Values | 111 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2528.003 |
| AIC (smaller is better) | 2538.003 |
| AICC (smaller is better) | 2538.071 |
| BIC (smaller is better) | 2561.954 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2581.16 |
| Weibull AIC (smaller is better) | -2571.16 |
| Weibull AICC (smaller is better) | -2571.09 |
| Weibull BIC (smaller is better) | -2547.21 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.0417 | 0.0444 |
| M_cont | 1 | 0.9336 | 0.3339 |
| C | 1 | 0.0195 | 0.8890 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0345 | 0.0618 | -3.1557 | -2.9133 | 2407.48 | <.0001 |
| A | 1 | 0.1413 | 0.0703 | 0.0035 | 0.2790 | 4.04 | 0.0444 |
| M_cont | 1 | 0.0316 | 0.0327 | -0.0325 | 0.0957 | 0.93 | 0.3339 |
| C | 1 | 0.0052 | 0.0374 | -0.0682 | 0.0786 | 0.02 | 0.8890 |
| Scale | 1 | 0.8783 | 0.0300 | 0.8214 | 0.9391 | | |
| Weibull Shape | 1 | 1.1386 | 0.0389 | 1.0648 | 1.2175 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003825 | -0.002174 | 0.000232 | -0.001591 | 0.000015301 |
| A | -0.002174 | 0.004939 | -0.000310 | 0.000136 | 0.000092806 |
| M_cont | 0.000232 | -0.000310 | 0.001070 | -0.000199 | 0.000015253 |
| C | -0.001591 | 0.000136 | -0.000199 | 0.001402 | -0.000004258 |
| Scale | 0.000015301 | 0.000092806 | 0.000015253 | -0.000004258 | 0.000901 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01751 | -0.20143 | 0.21067 | 0.20140 |
| 2 | 1.01751 | 0.00282 | -0.00182 | -0.00100 |
| 3 | 1.01751 | -0.00182 | 0.00422 | 0.00000 |
| 4 | 1.01751 | -0.00100 | 0.00000 | 0.00099 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA176 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 890 |
| Noncensored Values | 639 |
| Right Censored Values | 251 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1286.689346 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |
| Missing Values | 110 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2573.379 |
| AIC (smaller is better) | 2583.379 |
| AICC (smaller is better) | 2583.447 |
| BIC (smaller is better) | 2607.335 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2469.78 |
| Weibull AIC (smaller is better) | -2459.78 |
| Weibull AICC (smaller is better) | -2459.71 |
| Weibull BIC (smaller is better) | -2435.83 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.3665 | 0.0665 |
| M_cont | 1 | 4.3326 | 0.0374 |
| C | 1 | 3.6427 | 0.0563 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0799 | 0.0627 | -3.2028 | -2.9570 | 2412.38 | <.0001 |
| A | 1 | 0.1369 | 0.0746 | -0.0093 | 0.2831 | 3.37 | 0.0665 |
| M_cont | 1 | 0.0701 | 0.0337 | 0.0041 | 0.1362 | 4.33 | 0.0374 |
| C | 1 | 0.0721 | 0.0378 | -0.0019 | 0.1461 | 3.64 | 0.0563 |
| Scale | 1 | 0.9248 | 0.0321 | 0.8639 | 0.9900 | | |
| Weibull Shape | 1 | 1.0813 | 0.0376 | 1.0101 | 1.1575 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003932 | -0.002340 | 0.000063873 | -0.001527 | 0.000013253 |
| A | -0.002340 | 0.005564 | -0.000227 | 0.000059491 | 0.000089258 |
| M_cont | 0.000063873 | -0.000227 | 0.001135 | -0.000114 | 0.000040892 |
| C | -0.001527 | 0.000059491 | -0.000114 | 0.001427 | 0.000036416 |
| Scale | 0.000013253 | 0.000089258 | 0.000040892 | 0.000036416 | 0.001034 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04834 | -0.053023 | 0.13577 | 0.12263 |
| 2 | 1.04834 | 0.003008 | -0.00197 | -0.00108 |
| 3 | 1.04834 | -0.001974 | 0.00448 | 0.00004 |
| 4 | 1.04834 | -0.001075 | 0.00004 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA177 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 624 |
| Right Censored Values | 250 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1201.806542 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2403.613 |
| AIC (smaller is better) | 2413.613 |
| AICC (smaller is better) | 2413.682 |
| BIC (smaller is better) | 2437.478 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2384.24 |
| Weibull AIC (smaller is better) | -2374.24 |
| Weibull AICC (smaller is better) | -2374.17 |
| Weibull BIC (smaller is better) | -2350.38 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.6605 | 0.1975 |
| M_cont | 1 | 4.4324 | 0.0353 |
| C | 1 | 3.6703 | 0.0554 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0271 | 0.0595 | -3.1436 | -2.9105 | 2589.85 | <.0001 |
| A | 1 | 0.0891 | 0.0692 | -0.0464 | 0.2247 | 1.66 | 0.1975 |
| M_cont | 1 | 0.0630 | 0.0299 | 0.0043 | 0.1216 | 4.43 | 0.0353 |
| C | 1 | 0.0661 | 0.0345 | -0.0015 | 0.1337 | 3.67 | 0.0554 |
| Scale | 1 | 0.8436 | 0.0296 | 0.7875 | 0.9038 | | |
| Weibull Shape | 1 | 1.1854 | 0.0417 | 1.1065 | 1.2699 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003538 | -0.002044 | 0.000181 | -0.001371 | 0.000008987 |
| A | -0.002044 | 0.004784 | -0.000266 | 0.000068874 | 0.000062950 |
| M_cont | 0.000181 | -0.000266 | 0.000894 | -0.000098771 | 0.000039536 |
| C | -0.001371 | 0.000068874 | -0.000098771 | 0.001189 | 0.000041599 |
| Scale | 0.000008987 | 0.000062950 | 0.000039536 | 0.000041599 | 0.000879 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06318 | -0.20418 | 0.28676 | 0.13368 |
| 2 | 1.06318 | 0.00311 | -0.00203 | -0.00109 |
| 3 | 1.06318 | -0.00203 | 0.00463 | 0.00005 |
| 4 | 1.06318 | -0.00109 | 0.00005 | 0.00104 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA178 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 641 |
| Right Censored Values | 238 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1282.443043 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2564.886 |
| AIC (smaller is better) | 2574.886 |
| AICC (smaller is better) | 2574.955 |
| BIC (smaller is better) | 2598.780 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2512.10 |
| Weibull AIC (smaller is better) | -2502.10 |
| Weibull AICC (smaller is better) | -2502.03 |
| Weibull BIC (smaller is better) | -2478.21 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.1623 | 0.0754 |
| M_cont | 1 | 6.4027 | 0.0114 |
| C | 1 | 0.0358 | 0.8498 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0272 | 0.0662 | -3.1571 | -2.8974 | 2088.77 | <.0001 |
| A | 1 | 0.1341 | 0.0754 | -0.0137 | 0.2819 | 3.16 | 0.0754 |
| M_cont | 1 | 0.0878 | 0.0347 | 0.0198 | 0.1559 | 6.40 | 0.0114 |
| C | 1 | 0.0071 | 0.0374 | -0.0663 | 0.0805 | 0.04 | 0.8498 |
| Scale | 1 | 0.9323 | 0.0323 | 0.8710 | 0.9978 | | |
| Weibull Shape | 1 | 1.0727 | 0.0372 | 1.0022 | 1.1481 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004387 | -0.002522 | 0.000346 | -0.001671 | 0.000044477 |
| A | -0.002522 | 0.005688 | -0.000409 | 0.000081130 | 0.000072126 |
| M_cont | 0.000346 | -0.000409 | 0.001205 | -0.000140 | 0.000061764 |
| C | -0.001671 | 0.000081130 | -0.000140 | 0.001402 | -0.000000875 |
| Scale | 0.000044477 | 0.000072126 | 0.000061764 | -0.000000875 | 0.001046 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05031 | -0.23684 | 0.22029 | 0.13010 |
| 2 | 1.05031 | 0.00328 | -0.00211 | -0.00113 |
| 3 | 1.05031 | -0.00211 | 0.00444 | 0.00006 |
| 4 | 1.05031 | -0.00113 | 0.00006 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA179 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 646 |
| Right Censored Values | 241 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1237.541864 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2475.084 |
| AIC (smaller is better) | 2485.084 |
| AICC (smaller is better) | 2485.152 |
| BIC (smaller is better) | 2509.023 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2505.00 |
| Weibull AIC (smaller is better) | -2495.00 |
| Weibull AICC (smaller is better) | -2494.94 |
| Weibull BIC (smaller is better) | -2471.07 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.3149 | 0.1281 |
| M_cont | 1 | 7.5850 | 0.0059 |
| C | 1 | 7.4387 | 0.0064 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0927 | 0.0586 | -3.2076 | -2.9778 | 2782.48 | <.0001 |
| A | 1 | 0.1040 | 0.0683 | -0.0300 | 0.2379 | 2.31 | 0.1281 |
| M_cont | 1 | 0.0832 | 0.0302 | 0.0240 | 0.1425 | 7.58 | 0.0059 |
| C | 1 | 0.0951 | 0.0349 | 0.0268 | 0.1635 | 7.44 | 0.0064 |
| Scale | 1 | 0.8523 | 0.0296 | 0.7963 | 0.9123 | | |
| Weibull Shape | 1 | 1.1733 | 0.0407 | 1.0961 | 1.2559 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003438 | -0.002049 | 0.000147 | -0.001340 | -0.000001027 |
| A | -0.002049 | 0.004671 | -0.000245 | 0.000078745 | 0.000045953 |
| M_cont | 0.000147 | -0.000245 | 0.000913 | -0.000111 | 0.000046259 |
| C | -0.001340 | 0.000078745 | -0.000111 | 0.001216 | 0.000040080 |
| Scale | -0.000001027 | 0.000045953 | 0.000046259 | 0.000040080 | 0.000876 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05749 | -0.16423 | 0.19639 | 0.17466 |
| 2 | 1.05749 | 0.00305 | -0.00193 | -0.00104 |
| 3 | 1.05749 | -0.00193 | 0.00453 | -0.00009 |
| 4 | 1.05749 | -0.00104 | -0.00009 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA180 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 649 |
| Right Censored Values | 238 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1255.923894 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2511.848 |
| AIC (smaller is better) | 2521.848 |
| AICC (smaller is better) | 2521.916 |
| BIC (smaller is better) | 2545.787 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2526.17 |
| Weibull AIC (smaller is better) | -2516.17 |
| Weibull AICC (smaller is better) | -2516.10 |
| Weibull BIC (smaller is better) | -2492.23 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.2607 | 0.2615 |
| M_cont | 1 | 4.2572 | 0.0391 |
| C | 1 | 0.0856 | 0.7699 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9702 | 0.0606 | -3.0891 | -2.8513 | 2398.46 | <.0001 |
| A | 1 | 0.0790 | 0.0703 | -0.0589 | 0.2169 | 1.26 | 0.2615 |
| M_cont | 1 | 0.0680 | 0.0329 | 0.0034 | 0.1326 | 4.26 | 0.0391 |
| C | 1 | -0.0102 | 0.0347 | -0.0783 | 0.0579 | 0.09 | 0.7699 |
| Scale | 1 | 0.8768 | 0.0302 | 0.8196 | 0.9380 | | |
| Weibull Shape | 1 | 1.1405 | 0.0392 | 1.0661 | 1.2200 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003678 | -0.001891 | 0.000063135 | -0.001421 | 0.000060439 |
| A | -0.001891 | 0.004949 | -0.000195 | -0.000095635 | 0.000039967 |
| M_cont | 0.000063135 | -0.000195 | 0.001086 | -0.000038458 | 0.000037498 |
| C | -0.001421 | -0.000095635 | -0.000038458 | 0.001207 | -0.000015197 |
| Scale | 0.000060439 | 0.000039967 | 0.000037498 | -0.000015197 | 0.000910 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03144 | -0.16686 | 0.18681 | 0.12788 |
| 2 | 1.03144 | 0.00292 | -0.00179 | -0.00103 |
| 3 | 1.03144 | -0.00179 | 0.00437 | -0.00003 |
| 4 | 1.03144 | -0.00103 | -0.00003 | 0.00098 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA181 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 896 |
| Noncensored Values | 650 |
| Right Censored Values | 246 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1306.791441 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 896 |
| Missing Values | 104 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2613.583 |
| AIC (smaller is better) | 2623.583 |
| AICC (smaller is better) | 2623.650 |
| BIC (smaller is better) | 2647.573 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2544.14 |
| Weibull AIC (smaller is better) | -2534.14 |
| Weibull AICC (smaller is better) | -2534.07 |
| Weibull BIC (smaller is better) | -2510.15 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.7473 | 0.0165 |
| M_cont | 1 | 0.2728 | 0.6015 |
| C | 1 | 4.1368 | 0.0420 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1275 | 0.0657 | -3.2563 | -2.9987 | 2263.85 | <.0001 |
| A | 1 | 0.1801 | 0.0751 | 0.0329 | 0.3274 | 5.75 | 0.0165 |
| M_cont | 1 | 0.0186 | 0.0356 | -0.0512 | 0.0885 | 0.27 | 0.6015 |
| C | 1 | 0.0816 | 0.0401 | 0.0030 | 0.1602 | 4.14 | 0.0420 |
| Scale | 1 | 0.9366 | 0.0323 | 0.8754 | 1.0020 | | |
| Weibull Shape | 1 | 1.0677 | 0.0368 | 0.9980 | 1.1423 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004321 | -0.002433 | 0.000343 | -0.001787 | -0.000023822 |
| A | -0.002433 | 0.005647 | -0.000353 | 0.000082840 | 0.000118 |
| M_cont | 0.000343 | -0.000353 | 0.001271 | -0.000273 | 0.000012030 |
| C | -0.001787 | 0.000082840 | -0.000273 | 0.001609 | 0.000046973 |
| Scale | -0.000023822 | 0.000118 | 0.000012030 | 0.000046973 | 0.001041 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.01760 | -0.26069 | 0.21068 | 0.22432 |
| 2 | 1.01760 | 0.00298 | -0.00185 | -0.00108 |
| 3 | 1.01760 | -0.00185 | 0.00420 | -0.00001 |
| 4 | 1.01760 | -0.00108 | -0.00001 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA182 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 899 |
| Noncensored Values | 658 |
| Right Censored Values | 241 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1293.130335 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 899 |
| Missing Values | 101 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2586.261 |
| AIC (smaller is better) | 2596.261 |
| AICC (smaller is better) | 2596.328 |
| BIC (smaller is better) | 2620.267 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2596.27 |
| Weibull AIC (smaller is better) | -2586.27 |
| Weibull AICC (smaller is better) | -2586.21 |
| Weibull BIC (smaller is better) | -2562.27 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 14.6444 | 0.0001 |
| M_cont | 1 | 5.9385 | 0.0148 |
| C | 1 | 1.0607 | 0.3031 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1287 | 0.0624 | -3.2511 | -3.0064 | 2512.70 | <.0001 |
| A | 1 | 0.2830 | 0.0740 | 0.1381 | 0.4280 | 14.64 | 0.0001 |
| M_cont | 1 | 0.0820 | 0.0336 | 0.0160 | 0.1479 | 5.94 | 0.0148 |
| C | 1 | 0.0380 | 0.0369 | -0.0343 | 0.1102 | 1.06 | 0.3031 |
| Scale | 1 | 0.9073 | 0.0310 | 0.8485 | 0.9701 | | |
| Weibull Shape | 1 | 1.1022 | 0.0377 | 1.0308 | 1.1786 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003896 | -0.002044 | 0.000048605 | -0.001616 | -0.000030059 |
| A | -0.002044 | 0.005469 | -0.000198 | 0.000058400 | 0.000196 |
| M_cont | 0.000048605 | -0.000198 | 0.001132 | -0.000051194 | 0.000051365 |
| C | -0.001616 | 0.000058400 | -0.000051194 | 0.001358 | 0.000012421 |
| Scale | -0.000030059 | 0.000196 | 0.000051365 | 0.000012421 | 0.000961 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03491 | -0.085510 | 0.10468 | 0.10641 |
| 2 | 1.03491 | 0.002973 | -0.00178 | -0.00110 |
| 3 | 1.03491 | -0.001781 | 0.00444 | -0.00002 |
| 4 | 1.03491 | -0.001098 | -0.00002 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA183 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 890 |
| Noncensored Values | 648 |
| Right Censored Values | 242 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1277.827864 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |
| Missing Values | 110 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2555.656 |
| AIC (smaller is better) | 2565.656 |
| AICC (smaller is better) | 2565.724 |
| BIC (smaller is better) | 2589.612 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2531.27 |
| Weibull AIC (smaller is better) | -2521.27 |
| Weibull AICC (smaller is better) | -2521.20 |
| Weibull BIC (smaller is better) | -2497.32 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.5297 | 0.0020 |
| M_cont | 1 | 0.9174 | 0.3381 |
| C | 1 | 1.6833 | 0.1945 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1025 | 0.0631 | -3.2261 | -2.9788 | 2418.22 | <.0001 |
| A | 1 | 0.2306 | 0.0747 | 0.0842 | 0.3771 | 9.53 | 0.0020 |
| M_cont | 1 | 0.0325 | 0.0340 | -0.0340 | 0.0991 | 0.92 | 0.3381 |
| C | 1 | 0.0491 | 0.0379 | -0.0251 | 0.1233 | 1.68 | 0.1945 |
| Scale | 1 | 0.9033 | 0.0312 | 0.8442 | 0.9665 | | |
| Weibull Shape | 1 | 1.1071 | 0.0382 | 1.0347 | 1.1845 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003980 | -0.002065 | 0.000327 | -0.001670 | -0.000013511 |
| A | -0.002065 | 0.005582 | -0.000481 | -0.000001525 | 0.000139 |
| M_cont | 0.000327 | -0.000481 | 0.001153 | -0.000190 | 0.000011091 |
| C | -0.001670 | -0.000001525 | -0.000190 | 0.001433 | 0.000026918 |
| Scale | -0.000013511 | 0.000139 | 0.000011091 | 0.000026918 | 0.000971 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.00616 | -0.25096 | 0.29916 | 0.18476 |
| 2 | 1.00616 | 0.00288 | -0.00162 | -0.00111 |
| 3 | 1.00616 | -0.00162 | 0.00420 | -0.00008 |
| 4 | 1.00616 | -0.00111 | -0.00008 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA184 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 879 |
| Noncensored Values | 651 |
| Right Censored Values | 228 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1246.851188 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 879 |
| Missing Values | 121 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2493.702 |
| AIC (smaller is better) | 2503.702 |
| AICC (smaller is better) | 2503.771 |
| BIC (smaller is better) | 2527.596 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2555.16 |
| Weibull AIC (smaller is better) | -2545.16 |
| Weibull AICC (smaller is better) | -2545.09 |
| Weibull BIC (smaller is better) | -2521.27 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0453 | 0.8314 |
| M_cont | 1 | 7.2265 | 0.0072 |
| C | 1 | 0.9560 | 0.3282 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9264 | 0.0612 | -3.0464 | -2.8065 | 2287.22 | <.0001 |
| A | 1 | 0.0150 | 0.0702 | -0.1227 | 0.1526 | 0.05 | 0.8314 |
| M_cont | 1 | 0.0849 | 0.0316 | 0.0230 | 0.1469 | 7.23 | 0.0072 |
| C | 1 | -0.0342 | 0.0350 | -0.1028 | 0.0344 | 0.96 | 0.3282 |
| Scale | 1 | 0.8725 | 0.0300 | 0.8156 | 0.9333 | | |
| Weibull Shape | 1 | 1.1461 | 0.0394 | 1.0714 | 1.2260 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003744 | -0.002054 | 0.000331 | -0.001441 | 0.000089951 |
| A | -0.002054 | 0.004930 | -0.000363 | -0.000022848 | -0.000006413 |
| M_cont | 0.000331 | -0.000363 | 0.000998 | -0.000152 | 0.000061596 |
| C | -0.001441 | -0.000022848 | -0.000152 | 0.001225 | -0.000034676 |
| Scale | 0.000089951 | -0.000006413 | 0.000061596 | -0.000034676 | 0.000900 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04623 | -0.24510 | 0.20246 | 0.16895 |
| 2 | 1.04623 | 0.00298 | -0.00188 | -0.00105 |
| 3 | 1.04623 | -0.00188 | 0.00447 | -0.00003 |
| 4 | 1.04623 | -0.00105 | -0.00003 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA185 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 890 |
| Noncensored Values | 633 |
| Right Censored Values | 257 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1297.979067 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 890 |
| Missing Values | 110 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2595.958 |
| AIC (smaller is better) | 2605.958 |
| AICC (smaller is better) | 2606.026 |
| BIC (smaller is better) | 2629.914 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2430.70 |
| Weibull AIC (smaller is better) | -2420.70 |
| Weibull AICC (smaller is better) | -2420.64 |
| Weibull BIC (smaller is better) | -2396.75 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.0119 | 0.0027 |
| M_cont | 1 | 1.1572 | 0.2820 |
| C | 1 | 0.6308 | 0.4271 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0581 | 0.0679 | -3.1911 | -2.9250 | 2030.12 | <.0001 |
| A | 1 | 0.2315 | 0.0771 | 0.0804 | 0.3827 | 9.01 | 0.0027 |
| M_cont | 1 | 0.0379 | 0.0353 | -0.0312 | 0.1070 | 1.16 | 0.2820 |
| C | 1 | 0.0305 | 0.0384 | -0.0448 | 0.1058 | 0.63 | 0.4271 |
| Scale | 1 | 0.9485 | 0.0332 | 0.8856 | 1.0159 | | |
| Weibull Shape | 1 | 1.0543 | 0.0369 | 0.9844 | 1.1292 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004606 | -0.002603 | 0.000105 | -0.001801 | 0.000037294 |
| A | -0.002603 | 0.005947 | -0.000165 | 0.000172 | 0.000179 |
| M_cont | 0.000105 | -0.000165 | 0.001243 | -0.000123 | 0.000027996 |
| C | -0.001801 | 0.000172 | -0.000123 | 0.001476 | 0.000001058 |
| Scale | 0.000037294 | 0.000179 | 0.000027996 | 0.000001058 | 0.001103 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03379 | -0.16502 | 0.11750 | 0.16299 |
| 2 | 1.03379 | 0.00310 | -0.00187 | -0.00112 |
| 3 | 1.03379 | -0.00187 | 0.00434 | -0.00003 |
| 4 | 1.03379 | -0.00112 | -0.00003 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA186 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 625 |
| Right Censored Values | 248 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1270.590762 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2541.182 |
| AIC (smaller is better) | 2551.182 |
| AICC (smaller is better) | 2551.251 |
| BIC (smaller is better) | 2575.041 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2395.41 |
| Weibull AIC (smaller is better) | -2385.41 |
| Weibull AICC (smaller is better) | -2385.34 |
| Weibull BIC (smaller is better) | -2361.55 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.1235 | 0.0423 |
| M_cont | 1 | 1.6233 | 0.2026 |
| C | 1 | 6.6631 | 0.0098 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1088 | 0.0676 | -3.2413 | -2.9763 | 2114.16 | <.0001 |
| A | 1 | 0.1545 | 0.0761 | 0.0054 | 0.3035 | 4.12 | 0.0423 |
| M_cont | 1 | 0.0446 | 0.0350 | -0.0240 | 0.1132 | 1.62 | 0.2026 |
| C | 1 | 0.1029 | 0.0399 | 0.0248 | 0.1810 | 6.66 | 0.0098 |
| Scale | 1 | 0.9345 | 0.0331 | 0.8718 | 1.0017 | | |
| Weibull Shape | 1 | 1.0701 | 0.0379 | 0.9983 | 1.1471 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004571 | -0.002568 | 0.000150 | -0.001839 | -0.000019673 |
| A | -0.002568 | 0.005786 | -0.000272 | 0.000120 | 0.000105 |
| M_cont | 0.000150 | -0.000272 | 0.001226 | -0.000145 | 0.000026211 |
| C | -0.001839 | 0.000120 | -0.000145 | 0.001589 | 0.000072447 |
| Scale | -0.000019673 | 0.000105 | 0.000026211 | 0.000072447 | 0.001098 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04613 | -0.16709 | 0.14252 | 0.17416 |
| 2 | 1.04613 | 0.00337 | -0.00205 | -0.00125 |
| 3 | 1.04613 | -0.00205 | 0.00441 | 0.00003 |
| 4 | 1.04613 | -0.00125 | 0.00003 | 0.00117 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA187 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 884 |
| Noncensored Values | 627 |
| Right Censored Values | 257 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1293.672418 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |
| Missing Values | 116 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2587.345 |
| AIC (smaller is better) | 2597.345 |
| AICC (smaller is better) | 2597.413 |
| BIC (smaller is better) | 2621.267 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2396.99 |
| Weibull AIC (smaller is better) | -2386.99 |
| Weibull AICC (smaller is better) | -2386.92 |
| Weibull BIC (smaller is better) | -2363.07 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 8.5747 | 0.0034 |
| M_cont | 1 | 7.8768 | 0.0050 |
| C | 1 | 5.9392 | 0.0148 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1103 | 0.0660 | -3.2397 | -2.9810 | 2220.06 | <.0001 |
| A | 1 | 0.2358 | 0.0805 | 0.0780 | 0.3937 | 8.57 | 0.0034 |
| M_cont | 1 | 0.0982 | 0.0350 | 0.0296 | 0.1668 | 7.88 | 0.0050 |
| C | 1 | 0.0955 | 0.0392 | 0.0187 | 0.1724 | 5.94 | 0.0148 |
| Scale | 1 | 0.9567 | 0.0339 | 0.8926 | 1.0254 | | |
| Weibull Shape | 1 | 1.0453 | 0.0370 | 0.9752 | 1.1204 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004358 | -0.002411 | 0.000244 | -0.001798 | 0.000006579 |
| A | -0.002411 | 0.006486 | -0.000225 | 0.000140 | 0.000165 |
| M_cont | 0.000244 | -0.000225 | 0.001225 | -0.000169 | 0.000085780 |
| C | -0.001798 | 0.000140 | -0.000169 | 0.001537 | 0.000049000 |
| Scale | 0.000006579 | 0.000165 | 0.000085780 | 0.000049000 | 0.001146 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05085 | -0.17723 | 0.10898 | 0.17995 |
| 2 | 1.05085 | 0.00307 | -0.00190 | -0.00113 |
| 3 | 1.05085 | -0.00190 | 0.00462 | 0.00007 |
| 4 | 1.05085 | -0.00113 | 0.00007 | 0.00103 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA188 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 897 |
| Noncensored Values | 648 |
| Right Censored Values | 249 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1305.500376 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 897 |
| Missing Values | 103 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2611.001 |
| AIC (smaller is better) | 2621.001 |
| AICC (smaller is better) | 2621.068 |
| BIC (smaller is better) | 2644.996 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2552.53 |
| Weibull AIC (smaller is better) | -2542.53 |
| Weibull AICC (smaller is better) | -2542.46 |
| Weibull BIC (smaller is better) | -2518.53 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 7.9020 | 0.0049 |
| M_cont | 1 | 3.9173 | 0.0478 |
| C | 1 | 2.8464 | 0.0916 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1354 | 0.0636 | -3.2601 | -3.0108 | 2430.70 | <.0001 |
| A | 1 | 0.2127 | 0.0757 | 0.0644 | 0.3610 | 7.90 | 0.0049 |
| M_cont | 1 | 0.0666 | 0.0336 | 0.0006 | 0.1325 | 3.92 | 0.0478 |
| C | 1 | 0.0639 | 0.0379 | -0.0103 | 0.1382 | 2.85 | 0.0916 |
| Scale | 1 | 0.9407 | 0.0323 | 0.8795 | 1.0061 | | |
| Weibull Shape | 1 | 1.0631 | 0.0365 | 0.9939 | 1.1371 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004045 | -0.002425 | 0.000235 | -0.001569 | -0.000018808 |
| A | -0.002425 | 0.005725 | -0.000283 | 0.000086591 | 0.000144 |
| M_cont | 0.000235 | -0.000283 | 0.001131 | -0.000201 | 0.000047116 |
| C | -0.001569 | 0.000086591 | -0.000201 | 0.001435 | 0.000031457 |
| Scale | -0.000018808 | 0.000144 | 0.000047116 | 0.000031457 | 0.001043 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06492 | -0.17645 | 0.15823 | 0.18297 |
| 2 | 1.06492 | 0.00311 | -0.00198 | -0.00108 |
| 3 | 1.06492 | -0.00198 | 0.00460 | -0.00006 |
| 4 | 1.06492 | -0.00108 | -0.00006 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA189 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 878 |
| Noncensored Values | 648 |
| Right Censored Values | 230 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1188.32977 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 878 |
| Missing Values | 122 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2376.660 |
| AIC (smaller is better) | 2386.660 |
| AICC (smaller is better) | 2386.728 |
| BIC (smaller is better) | 2410.548 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2541.67 |
| Weibull AIC (smaller is better) | -2531.67 |
| Weibull AICC (smaller is better) | -2531.60 |
| Weibull BIC (smaller is better) | -2507.78 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 1.6272 | 0.2021 |
| M_cont | 1 | 7.6440 | 0.0057 |
| C | 1 | 6.1079 | 0.0135 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0838 | 0.0573 | -3.1961 | -2.9714 | 2895.08 | <.0001 |
| A | 1 | 0.0818 | 0.0641 | -0.0439 | 0.2074 | 1.63 | 0.2021 |
| M_cont | 1 | 0.0795 | 0.0287 | 0.0231 | 0.1358 | 7.64 | 0.0057 |
| C | 1 | 0.0852 | 0.0345 | 0.0176 | 0.1528 | 6.11 | 0.0135 |
| Scale | 1 | 0.8013 | 0.0276 | 0.7489 | 0.8573 | | |
| Weibull Shape | 1 | 1.2480 | 0.0431 | 1.1664 | 1.3353 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003285 | -0.001933 | 0.000201 | -0.001331 | -0.000030908 |
| A | -0.001933 | 0.004108 | -0.000273 | 0.000112 | 0.000039718 |
| M_cont | 0.000201 | -0.000273 | 0.000826 | -0.000122 | 0.000042692 |
| C | -0.001331 | 0.000112 | -0.000122 | 0.001189 | 0.000048426 |
| Scale | -0.000030908 | 0.000039718 | 0.000042692 | 0.000048426 | 0.000764 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06165 | -0.18486 | 0.26770 | 0.14438 |
| 2 | 1.06165 | 0.00319 | -0.00198 | -0.00116 |
| 3 | 1.06165 | -0.00198 | 0.00456 | -0.00007 |
| 4 | 1.06165 | -0.00116 | -0.00007 | 0.00118 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA190 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 875 |
| Noncensored Values | 640 |
| Right Censored Values | 235 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1251.475722 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 875 |
| Missing Values | 125 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2502.951 |
| AIC (smaller is better) | 2512.951 |
| AICC (smaller is better) | 2513.020 |
| BIC (smaller is better) | 2536.823 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2514.96 |
| Weibull AIC (smaller is better) | -2504.96 |
| Weibull AICC (smaller is better) | -2504.89 |
| Weibull BIC (smaller is better) | -2481.09 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.8568 | 0.0495 |
| M_cont | 1 | 0.7692 | 0.3805 |
| C | 1 | 1.2789 | 0.2581 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0742 | 0.0638 | -3.1993 | -2.9491 | 2319.76 | <.0001 |
| A | 1 | 0.1438 | 0.0732 | 0.0003 | 0.2872 | 3.86 | 0.0495 |
| M_cont | 1 | 0.0273 | 0.0311 | -0.0337 | 0.0883 | 0.77 | 0.3805 |
| C | 1 | 0.0417 | 0.0369 | -0.0306 | 0.1140 | 1.28 | 0.2581 |
| Scale | 1 | 0.8930 | 0.0309 | 0.8344 | 0.9557 | | |
| Weibull Shape | 1 | 1.1198 | 0.0388 | 1.0463 | 1.1985 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004074 | -0.002458 | 0.000239 | -0.001655 | 0.000015185 |
| A | -0.002458 | 0.005358 | -0.000266 | 0.000342 | 0.000076927 |
| M_cont | 0.000239 | -0.000266 | 0.000968 | -0.000238 | 0.000015405 |
| C | -0.001655 | 0.000342 | -0.000238 | 0.001360 | 0.000015674 |
| Scale | 0.000015185 | 0.000076927 | 0.000015405 | 0.000015674 | 0.000957 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06296 | -0.22105 | 0.18386 | 0.23408 |
| 2 | 1.06296 | 0.00308 | -0.00199 | -0.00109 |
| 3 | 1.06296 | -0.00199 | 0.00468 | 0.00008 |
| 4 | 1.06296 | -0.00109 | 0.00008 | 0.00102 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA191 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 887 |
| Noncensored Values | 655 |
| Right Censored Values | 232 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1259.135959 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 887 |
| Missing Values | 113 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2518.272 |
| AIC (smaller is better) | 2528.272 |
| AICC (smaller is better) | 2528.340 |
| BIC (smaller is better) | 2552.211 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2575.63 |
| Weibull AIC (smaller is better) | -2565.63 |
| Weibull AICC (smaller is better) | -2565.56 |
| Weibull BIC (smaller is better) | -2541.69 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 13.1352 | 0.0003 |
| M_cont | 1 | 1.3245 | 0.2498 |
| C | 1 | 4.1676 | 0.0412 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1503 | 0.0598 | -3.2674 | -3.0331 | 2777.69 | <.0001 |
| A | 1 | 0.2553 | 0.0704 | 0.1172 | 0.3934 | 13.14 | 0.0003 |
| M_cont | 1 | 0.0363 | 0.0316 | -0.0256 | 0.0982 | 1.32 | 0.2498 |
| C | 1 | 0.0731 | 0.0358 | 0.0029 | 0.1433 | 4.17 | 0.0412 |
| Scale | 1 | 0.8749 | 0.0301 | 0.8179 | 0.9359 | | |
| Weibull Shape | 1 | 1.1430 | 0.0393 | 1.0685 | 1.2226 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003573 | -0.002017 | 0.000243 | -0.001445 | -0.000058136 |
| A | -0.002017 | 0.004963 | -0.000242 | 0.000055703 | 0.000154 |
| M_cont | 0.000243 | -0.000242 | 0.000997 | -0.000181 | 0.000020423 |
| C | -0.001445 | 0.000055703 | -0.000181 | 0.001283 | 0.000041260 |
| Scale | -0.000058136 | 0.000154 | 0.000020423 | 0.000041260 | 0.000904 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04664 | -0.090426 | 0.10695 | 0.11501 |
| 2 | 1.04664 | 0.003076 | -0.00196 | -0.00111 |
| 3 | 1.04664 | -0.001964 | 0.00447 | 0.00004 |
| 4 | 1.04664 | -0.001108 | 0.00004 | 0.00107 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA192 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 884 |
| Noncensored Values | 660 |
| Right Censored Values | 224 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1244.738706 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 884 |
| Missing Values | 116 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2489.477 |
| AIC (smaller is better) | 2499.477 |
| AICC (smaller is better) | 2499.546 |
| BIC (smaller is better) | 2523.400 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2615.67 |
| Weibull AIC (smaller is better) | -2605.67 |
| Weibull AICC (smaller is better) | -2605.60 |
| Weibull BIC (smaller is better) | -2581.75 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.6684 | 0.0173 |
| M_cont | 1 | 0.2069 | 0.6492 |
| C | 1 | 0.2521 | 0.6156 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0636 | 0.0586 | -3.1785 | -2.9487 | 2730.18 | <.0001 |
| A | 1 | 0.1637 | 0.0688 | 0.0289 | 0.2984 | 5.67 | 0.0173 |
| M_cont | 1 | 0.0141 | 0.0311 | -0.0468 | 0.0750 | 0.21 | 0.6492 |
| C | 1 | 0.0173 | 0.0344 | -0.0502 | 0.0848 | 0.25 | 0.6156 |
| Scale | 1 | 0.8551 | 0.0291 | 0.7998 | 0.9141 | | |
| Weibull Shape | 1 | 1.1695 | 0.0399 | 1.0939 | 1.2503 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003438 | -0.001800 | 0.000014097 | -0.001378 | -0.000017027 |
| A | -0.001800 | 0.004727 | -0.000263 | -0.000006086 | 0.000109 |
| M_cont | 0.000014097 | -0.000263 | 0.000965 | -0.000079789 | 0.000008987 |
| C | -0.001378 | -0.000006086 | -0.000079789 | 0.001185 | 0.000007227 |
| Scale | -0.000017027 | 0.000109 | 0.000008987 | 0.000007227 | 0.000849 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.03830 | -0.11752 | 0.23454 | 0.14129 |
| 2 | 1.03830 | 0.00300 | -0.00179 | -0.00110 |
| 3 | 1.03830 | -0.00179 | 0.00444 | -0.00006 |
| 4 | 1.03830 | -0.00110 | -0.00006 | 0.00105 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA193 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 627 |
| Right Censored Values | 247 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1250.154669 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2500.309 |
| AIC (smaller is better) | 2510.309 |
| AICC (smaller is better) | 2510.378 |
| BIC (smaller is better) | 2534.175 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2427.75 |
| Weibull AIC (smaller is better) | -2417.75 |
| Weibull AICC (smaller is better) | -2417.68 |
| Weibull BIC (smaller is better) | -2393.88 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 3.3112 | 0.0688 |
| M_cont | 1 | 3.0215 | 0.0822 |
| C | 1 | 8.9407 | 0.0028 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1220 | 0.0640 | -3.2474 | -2.9966 | 2381.55 | <.0001 |
| A | 1 | 0.1385 | 0.0761 | -0.0107 | 0.2877 | 3.31 | 0.0688 |
| M_cont | 1 | 0.0563 | 0.0324 | -0.0072 | 0.1198 | 3.02 | 0.0822 |
| C | 1 | 0.1105 | 0.0369 | 0.0381 | 0.1829 | 8.94 | 0.0028 |
| Scale | 1 | 0.9083 | 0.0319 | 0.8479 | 0.9729 | | |
| Weibull Shape | 1 | 1.1010 | 0.0386 | 1.0279 | 1.1793 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004093 | -0.002427 | 0.000185 | -0.001654 | -0.000022661 |
| A | -0.002427 | 0.005796 | -0.000310 | 0.000281 | 0.000081503 |
| M_cont | 0.000185 | -0.000310 | 0.001050 | -0.000130 | 0.000033099 |
| C | -0.001654 | 0.000281 | -0.000130 | 0.001365 | 0.000070963 |
| Scale | -0.000022661 | 0.000081503 | 0.000033099 | 0.000070963 | 0.001015 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06957 | -0.24334 | 0.27129 | 0.18078 |
| 2 | 1.06957 | 0.00336 | -0.00209 | -0.00129 |
| 3 | 1.06957 | -0.00209 | 0.00480 | 0.00017 |
| 4 | 1.06957 | -0.00129 | 0.00017 | 0.00114 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA194 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 886 |
| Noncensored Values | 656 |
| Right Censored Values | 230 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1230.130964 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 886 |
| Missing Values | 114 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2460.262 |
| AIC (smaller is better) | 2470.262 |
| AICC (smaller is better) | 2470.330 |
| BIC (smaller is better) | 2494.196 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2618.09 |
| Weibull AIC (smaller is better) | -2608.09 |
| Weibull AICC (smaller is better) | -2608.02 |
| Weibull BIC (smaller is better) | -2584.15 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 9.1340 | 0.0025 |
| M_cont | 1 | 0.3233 | 0.5696 |
| C | 1 | 8.1640 | 0.0043 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1778 | 0.0553 | -3.2862 | -3.0694 | 3299.72 | <.0001 |
| A | 1 | 0.2064 | 0.0683 | 0.0726 | 0.3403 | 9.13 | 0.0025 |
| M_cont | 1 | 0.0173 | 0.0304 | -0.0423 | 0.0769 | 0.32 | 0.5696 |
| C | 1 | 0.1027 | 0.0360 | 0.0323 | 0.1732 | 8.16 | 0.0043 |
| Scale | 1 | 0.8424 | 0.0286 | 0.7882 | 0.9004 | | |
| Weibull Shape | 1 | 1.1870 | 0.0403 | 1.1106 | 1.2687 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003060 | -0.001638 | 0.000111 | -0.001302 | -0.000050553 |
| A | -0.001638 | 0.004664 | -0.000203 | -0.000104 | 0.000119 |
| M_cont | 0.000111 | -0.000203 | 0.000924 | -0.000137 | 0.000000502 |
| C | -0.001302 | -0.000104 | -0.000137 | 0.001293 | 0.000040977 |
| Scale | -0.000050553 | 0.000119 | 0.000000502 | 0.000040977 | 0.000818 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.04098 | -0.16084 | 0.21719 | 0.15321 |
| 2 | 1.04098 | 0.00275 | -0.00169 | -0.00100 |
| 3 | 1.04098 | -0.00169 | 0.00451 | -0.00015 |
| 4 | 1.04098 | -0.00100 | -0.00015 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA195 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 900 |
| Noncensored Values | 678 |
| Right Censored Values | 222 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1308.589365 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 900 |
| Missing Values | 100 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2617.179 |
| AIC (smaller is better) | 2627.179 |
| AICC (smaller is better) | 2627.246 |
| BIC (smaller is better) | 2651.191 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2742.00 |
| Weibull AIC (smaller is better) | -2732.00 |
| Weibull AICC (smaller is better) | -2731.93 |
| Weibull BIC (smaller is better) | -2707.98 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 5.9490 | 0.0147 |
| M_cont | 1 | 3.2767 | 0.0703 |
| C | 1 | 1.8535 | 0.1734 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1442 | 0.0603 | -3.2624 | -3.0260 | 2718.56 | <.0001 |
| A | 1 | 0.1776 | 0.0728 | 0.0349 | 0.3203 | 5.95 | 0.0147 |
| M_cont | 1 | 0.0562 | 0.0310 | -0.0046 | 0.1170 | 3.28 | 0.0703 |
| C | 1 | 0.0490 | 0.0360 | -0.0216 | 0.1197 | 1.85 | 0.1734 |
| Scale | 1 | 0.9113 | 0.0305 | 0.8535 | 0.9731 | | |
| Weibull Shape | 1 | 1.0973 | 0.0367 | 1.0277 | 1.1717 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003637 | -0.002137 | 0.000181 | -0.001451 | -0.000034492 |
| A | -0.002137 | 0.005302 | -0.000346 | 0.000084681 | 0.000107 |
| M_cont | 0.000181 | -0.000346 | 0.000962 | -0.000068103 | 0.000039567 |
| C | -0.001451 | 0.000084681 | -0.000068103 | 0.001298 | 0.000011915 |
| Scale | -0.000034492 | 0.000107 | 0.000039567 | 0.000011915 | 0.000929 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06617 | -0.18587 | 0.19262 | 0.14413 |
| 2 | 1.06617 | 0.00311 | -0.00198 | -0.00112 |
| 3 | 1.06617 | -0.00198 | 0.00465 | -0.00000 |
| 4 | 1.06617 | -0.00112 | -0.00000 | 0.00112 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA196 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 873 |
| Noncensored Values | 656 |
| Right Censored Values | 217 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1262.51692 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 873 |
| Missing Values | 127 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2525.034 |
| AIC (smaller is better) | 2535.034 |
| AICC (smaller is better) | 2535.103 |
| BIC (smaller is better) | 2558.894 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2636.37 |
| Weibull AIC (smaller is better) | -2626.37 |
| Weibull AICC (smaller is better) | -2626.30 |
| Weibull BIC (smaller is better) | -2602.51 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 2.2700 | 0.1319 |
| M_cont | 1 | 0.8458 | 0.3578 |
| C | 1 | 0.0269 | 0.8697 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -2.9697 | 0.0630 | -3.0931 | -2.8463 | 2224.13 | <.0001 |
| A | 1 | -0.1069 | 0.0709 | -0.2459 | 0.0322 | 2.27 | 0.1319 |
| M_cont | 1 | 0.0288 | 0.0314 | -0.0326 | 0.0903 | 0.85 | 0.3578 |
| C | 1 | 0.0058 | 0.0353 | -0.0634 | 0.0750 | 0.03 | 0.8697 |
| Scale | 1 | 0.8987 | 0.0306 | 0.8407 | 0.9607 | | |
| Weibull Shape | 1 | 1.1127 | 0.0379 | 1.0409 | 1.1894 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003965 | -0.002279 | 0.000127 | -0.001473 | 0.000076136 |
| A | -0.002279 | 0.005030 | -0.000189 | 0.000049885 | -0.000092967 |
| M_cont | 0.000127 | -0.000189 | 0.000983 | -0.000133 | 0.000016358 |
| C | -0.001473 | 0.000049885 | -0.000133 | 0.001247 | -0.000006227 |
| Scale | 0.000076136 | -0.000092967 | 0.000016358 | -0.000006227 | 0.000935 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05574 | -0.15875 | 0.14790 | 0.16783 |
| 2 | 1.05574 | 0.00306 | -0.00197 | -0.00103 |
| 3 | 1.05574 | -0.00197 | 0.00453 | -0.00001 |
| 4 | 1.05574 | -0.00103 | -0.00001 | 0.00099 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA197 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 874 |
| Noncensored Values | 616 |
| Right Censored Values | 258 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1225.084132 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 874 |
| Missing Values | 126 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2450.168 |
| AIC (smaller is better) | 2460.168 |
| AICC (smaller is better) | 2460.237 |
| BIC (smaller is better) | 2484.034 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2359.37 |
| Weibull AIC (smaller is better) | -2349.37 |
| Weibull AICC (smaller is better) | -2349.30 |
| Weibull BIC (smaller is better) | -2325.51 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 15.7665 | <.0001 |
| M_cont | 1 | 5.2398 | 0.0221 |
| C | 1 | 9.7171 | 0.0018 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.1625 | 0.0607 | -3.2814 | -3.0435 | 2717.19 | <.0001 |
| A | 1 | 0.2947 | 0.0742 | 0.1492 | 0.4402 | 15.77 | <.0001 |
| M_cont | 1 | 0.0778 | 0.0340 | 0.0112 | 0.1444 | 5.24 | 0.0221 |
| C | 1 | 0.1172 | 0.0376 | 0.0435 | 0.1908 | 9.72 | 0.0018 |
| Scale | 1 | 0.8915 | 0.0316 | 0.8317 | 0.9556 | | |
| Weibull Shape | 1 | 1.1217 | 0.0397 | 1.0465 | 1.2024 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003681 | -0.002220 | 0.000227 | -0.001476 | -0.000071073 |
| A | -0.002220 | 0.005508 | -0.000269 | 0.000072620 | 0.000219 |
| M_cont | 0.000227 | -0.000269 | 0.001155 | -0.000173 | 0.000038436 |
| C | -0.001476 | 0.000072620 | -0.000173 | 0.001413 | 0.000082528 |
| Scale | -0.000071073 | 0.000219 | 0.000038436 | 0.000082528 | 0.000997 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05447 | -0.24548 | 0.24825 | 0.22141 |
| 2 | 1.05447 | 0.00305 | -0.00205 | -0.00107 |
| 3 | 1.05447 | -0.00205 | 0.00451 | 0.00005 |
| 4 | 1.05447 | -0.00107 | 0.00005 | 0.00109 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA198 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 877 |
| Noncensored Values | 637 |
| Right Censored Values | 240 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1271.595425 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 877 |
| Missing Values | 123 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2543.191 |
| AIC (smaller is better) | 2553.191 |
| AICC (smaller is better) | 2553.260 |
| BIC (smaller is better) | 2577.073 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2471.39 |
| Weibull AIC (smaller is better) | -2461.39 |
| Weibull AICC (smaller is better) | -2461.32 |
| Weibull BIC (smaller is better) | -2437.51 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 4.4614 | 0.0347 |
| M_cont | 1 | 4.4215 | 0.0355 |
| C | 1 | 2.8216 | 0.0930 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0847 | 0.0661 | -3.2143 | -2.9551 | 2175.18 | <.0001 |
| A | 1 | 0.1586 | 0.0751 | 0.0114 | 0.3059 | 4.46 | 0.0347 |
| M_cont | 1 | 0.0722 | 0.0343 | 0.0049 | 0.1394 | 4.42 | 0.0355 |
| C | 1 | 0.0663 | 0.0395 | -0.0111 | 0.1436 | 2.82 | 0.0930 |
| Scale | 1 | 0.9212 | 0.0322 | 0.8602 | 0.9866 | | |
| Weibull Shape | 1 | 1.0855 | 0.0380 | 1.0136 | 1.1625 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.004375 | -0.002529 | 0.000182 | -0.001825 | -0.000007686 |
| A | -0.002529 | 0.005641 | -0.000269 | 0.000248 | 0.000108 |
| M_cont | 0.000182 | -0.000269 | 0.001178 | -0.000122 | 0.000051109 |
| C | -0.001825 | 0.000248 | -0.000122 | 0.001557 | 0.000037939 |
| Scale | -0.000007686 | 0.000108 | 0.000051109 | 0.000037939 | 0.001038 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.02127 | -0.099089 | 0.10465 | 0.12100 |
| 2 | 1.02127 | 0.002996 | -0.00191 | -0.00111 |
| 3 | 1.02127 | -0.001911 | 0.00426 | 0.00007 |
| 4 | 1.02127 | -0.001113 | 0.00007 | 0.00106 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA199 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 871 |
| Noncensored Values | 632 |
| Right Censored Values | 239 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1256.673313 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 871 |
| Missing Values | 129 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2513.347 |
| AIC (smaller is better) | 2523.347 |
| AICC (smaller is better) | 2523.416 |
| BIC (smaller is better) | 2547.195 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2465.98 |
| Weibull AIC (smaller is better) | -2455.98 |
| Weibull AICC (smaller is better) | -2455.91 |
| Weibull BIC (smaller is better) | -2432.13 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 0.0347 | 0.8523 |
| M_cont | 1 | 9.9731 | 0.0016 |
| C | 1 | 8.7810 | 0.0030 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0855 | 0.0623 | -3.2076 | -2.9634 | 2452.86 | <.0001 |
| A | 1 | 0.0137 | 0.0736 | -0.1305 | 0.1579 | 0.03 | 0.8523 |
| M_cont | 1 | 0.1045 | 0.0331 | 0.0396 | 0.1693 | 9.97 | 0.0016 |
| C | 1 | 0.1112 | 0.0375 | 0.0377 | 0.1848 | 8.78 | 0.0030 |
| Scale | 1 | 0.9161 | 0.0321 | 0.8554 | 0.9812 | | |
| Weibull Shape | 1 | 1.0916 | 0.0382 | 1.0192 | 1.1691 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003881 | -0.002330 | 0.000130 | -0.001465 | 0.000006203 |
| A | -0.002330 | 0.005410 | -0.000086894 | -0.000017462 | -0.000009388 |
| M_cont | 0.000130 | -0.000086894 | 0.001095 | -0.000165 | 0.000068567 |
| C | -0.001465 | -0.000017462 | -0.000165 | 0.001409 | 0.000066693 |
| Scale | 0.000006203 | -0.000009388 | 0.000068567 | 0.000066693 | 0.001028 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.06273 | -0.093416 | 0.029865 | 0.17421 |
| 2 | 1.06273 | 0.003001 | -0.001924 | -0.00103 |
| 3 | 1.06273 | -0.001924 | 0.004589 | -0.00011 |
| 4 | 1.06273 | -0.001028 | -0.000105 | 0.00108 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1100 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 895 |
| Noncensored Values | 676 |
| Right Censored Values | 219 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -1286.994979 |

| | |
|---|---|
| Number of Observations Read | 1000 |
| Number of Observations Used | 895 |
| Missing Values | 105 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 2573.990 |
| AIC (smaller is better) | 2583.990 |
| AICC (smaller is better) | 2584.057 |
| BIC (smaller is better) | 2607.974 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -2724.42 |
| Weibull AIC (smaller is better) | -2714.42 |
| Weibull AICC (smaller is better) | -2714.35 |
| Weibull BIC (smaller is better) | -2690.43 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 6.3840 | 0.0115 |
| M_cont | 1 | 4.1548 | 0.0415 |
| C | 1 | 0.0616 | 0.8039 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0995 | 0.0609 | -3.2189 | -2.9800 | 2586.41 | <.0001 |
| A | 1 | 0.1766 | 0.0699 | 0.0396 | 0.3137 | 6.38 | 0.0115 |
| M_cont | 1 | 0.0614 | 0.0301 | 0.0024 | 0.1205 | 4.15 | 0.0415 |
| C | 1 | 0.0087 | 0.0352 | -0.0602 | 0.0777 | 0.06 | 0.8039 |
| Scale | 1 | 0.8843 | 0.0297 | 0.8278 | 0.9445 | | |
| Weibull Shape | 1 | 1.1309 | 0.0380 | 1.0587 | 1.2080 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.003714 | -0.002079 | 0.000071159 | -0.001480 | -0.000007606 |
| A | -0.002079 | 0.004888 | -0.000252 | 0.000110 | 0.000095198 |
| M_cont | 0.000071159 | -0.000252 | 0.000908 | -0.000058724 | 0.000025141 |
| C | -0.001480 | 0.000110 | -0.000058724 | 0.001239 | -0.000008587 |
| Scale | -0.000007606 | 0.000095198 | 0.000025141 | -0.000008587 | 0.000885 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.07116 | -0.13392 | 0.15700 | 0.14050 |
| 2 | 1.07116 | 0.00332 | -0.00207 | -0.00118 |
| 3 | 1.07116 | -0.00207 | 0.00465 | 0.00002 |
| 4 | 1.07116 | -0.00118 | 0.00002 | 0.00111 |

The LIFEREG Procedure

| Model Information | |
|---|---|
| Data Set | WORK.DATA1 |
| Dependent Variable | Log(Ycen_noint) |
| Censoring Variable | delta |
| Censoring Value(s) | 1 |
| Number of Observations | 88225 |
| Noncensored Values | 64537 |
| Right Censored Values | 23688 |
| Left Censored Values | 0 |
| Interval Censored Values | 0 |
| Number of Parameters | 5 |
| Name of Distribution | Weibull |
| Log Likelihood | -127114.6274 |

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 88225 |
| Missing Values | 11775 |

| Parameter Information | |
|---|---|
| Parameter | Effect |
| Intercept | Intercept |
| A | A |
| M_cont | M_cont |
| C | C |

| Fit Statistics | |
|---|---|
| -2 Log Likelihood | 254229.3 |
| AIC (smaller is better) | 254239.3 |
| AICC (smaller is better) | 254239.3 |
| BIC (smaller is better) | 254286.2 |

| Fit Statistics (Unlogged Response) | |
|---|---|
| -2 Log Likelihood | -253106 |
| Weibull AIC (smaller is better) | -253096 |
| Weibull AICC (smaller is better) | -253096 |
| Weibull BIC (smaller is better) | -253049 |

Algorithm converged.

The LIFEREG Procedure

| Type III Analysis of Effects | | | |
|---|---|---|---|
| Effect | DF | Wald Chi-Square | Pr > ChiSq |
| A | 1 | 412.7696 | <.0001 |
| M_cont | 1 | 353.9420 | <.0001 |
| C | 1 | 222.8760 | <.0001 |

| Analysis of Maximum Likelihood Parameter Estimates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Parameter | DF | Estimate | Standard Error | 95% Confidence Limits | | Chi-Square | Pr > ChiSq |
| Intercept | 1 | -3.0898 | 0.0063 | -3.1021 | -3.0775 | 241604 | <.0001 |
| A | 1 | 0.1489 | 0.0073 | 0.1345 | 0.1633 | 412.77 | <.0001 |
| M_cont | 1 | 0.0614 | 0.0033 | 0.0550 | 0.0678 | 353.94 | <.0001 |
| C | 1 | 0.0556 | 0.0037 | 0.0483 | 0.0629 | 222.88 | <.0001 |
| Scale | 1 | 0.9074 | 0.0031 | 0.9013 | 0.9136 | | |
| Weibull Shape | 1 | 1.1020 | 0.0038 | 1.0946 | 1.1095 | | |

| Estimated Covariance Matrix | | | | | |
|---|---|---|---|---|---|
| | Intercept | A | M_cont | C | Scale |
| Intercept | 0.000039515 | -0.000022411 | 0.000001857 | -0.000015849 | -4.300009E-8 |
| A | -0.000022411 | 0.000053722 | -0.000002529 | 0.000000862 | 0.000000925 |
| M_cont | 0.000001857 | -0.000002529 | 0.000010656 | -0.000001418 | 0.000000393 |
| C | -0.000015849 | 0.000000862 | -0.000001418 | 0.000013872 | 0.000000264 |
| Scale | -4.300009E-8 | 0.000000925 | 0.000000393 | 0.000000264 | 0.000009824 |

The REG Procedure
Model: MODEL1
Dependent Variable: M_cont

| | |
|---|---|
| Number of Observations Read | 100000 |
| Number of Observations Used | 100000 |

| Analysis of Variance | | | | | |
|---|---|---|---|---|---|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 2 | 3429.61170 | 1714.80585 | 1553.14 | <.0001 |
| Error | 99997 | 110406 | 1.10409 | | |
| Corrected Total | 99999 | 113835 | | | |

| | | | |
|---|---|---|---|
| Root MSE | 1.05076 | R-Square | 0.0301 |
| Dependent Mean | 0.06703 | Adj R-Sq | 0.0301 |
| Coeff Var | 1567.52058 | | |

| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Parameter Estimate | Standard Error | t Value | Pr > \|t\| |
| Intercept | 1 | -0.17192 | 0.00554 | -31.04 | <.0001 |
| A | 1 | 0.16461 | 0.00672 | 24.51 | <.0001 |
| C | 1 | 0.16350 | 0.00326 | 50.19 | <.0001 |

| Obs | _RMSE_ | Intercept | A | C |
|---|---|---|---|---|
| 1 | 1.05076 | -0.17192 | 0.16461 | 0.16350 |
| 2 | 1.05076 | 0.00003 | -0.00002 | -0.00001 |
| 3 | 1.05076 | -0.00002 | 0.00005 | 0.00000 |
| 4 | 1.05076 | -0.00001 | 0.00000 | 0.00001 |

| Obs | Effect | Estimate | s_e_ | _95__CI_lower | _95__CI_upper |
|---|---|---|---|---|---|
| 1 | cde=nde | 1.16359 | 0.088158 | 1.00115 | 1.32712 |
| 2 | nie | 1.01012 | 0.006396 | 0.99926 | 1.02366 |
| 3 | total effect | 1.17530 | 0.088399 | 1.00827 | 1.33856 |