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|------------------------------------|----|---|
| Multistage Weibull | 1 | model name (do not change this text) |
| 3 | 2 | number of stages (order of model) |
| BMD5 Multistage Weibull, Example 1 | 3 | user-specified title to appear in output file |
| msw_ex1.set | 4 | Not used but must have a text entry, 'name.set' is recommended |
| msw.out | 5 | name of file to receive results [MSW does not use the input (d) file name for output] |
| 0 | 6 | 0 causes output file to be over-written, 1 causes output file to be appended |
| 1 | 7 | 1 for grouped data (grouped by dose*class*time), 0 for ungrouped data (one animal per line) |
| 45 | 8 | number of lines of data (below) |
| | | Either a fixed (user-specified) parameter value, or -9999 to solve MLE, in this order: c, t0, b0, b1, b2, ... |
| -9999 0.0 -9999 -9999 -9999 -9999 | 9 | Parameter t0 is set to zero when Incidental Risk is requested on line 13, regardless of value on this line |
| 0 | 10 | Use 0 for automatic initializations (recommended), 1 for user-specified starting values [see "MSW Basic User Guide"] |
| 2 8 8 | 11 | Automatic initialization [recommended], if line 10 is "0": (1) number of automatic initializations, (2) controls search grid for shape parameter c, (3) controls search grid for location parameter t0. |
| 64 2.22045e-16 1.49012e-8 | 12 | (1) multiplier for determining max number of iterations. (2-3) not currently used |
| | | (1) 1 for BMD estimation, 0 for none (2) BMR value; (3) 0 for incidental risk, 1 for fatal risk; (4) 0 for extra risk, |
| 1 0.10 0 0 79.0 | 13 | 1 for added risk; (5) time for BMD |
| | | (1) 1 => solve for BMDL by profile likelihood, 0 => skip it (2) upper bound for BMDL search will be this multiple |
| 1 8 0.9 | 14 | of BMD; (3) 2-sided confidence level |
| 1 10.500 45.1 | 15 | (inactive) slope calculations |
| 1 8 0.95 | 16 | (inactive) slope calculations |
| DOSE CLASS TIME N | 17 | variable names WARNING: there must be no space or tab after the last text on this line |
| 0 C 47.5 1 | 18 | "CLASS" = context indicators are: |
| 50 C 44.0 2 | 19 | C=censored, I=incidental |
| 100 I 40.2 1 | 20 | F=fatal, U=unknown |
| 150 I 31.9 1 | 21 | |
| ... | 22 | |
| (to number of lines given in (8)) | 23 | In the Windows Notepad status line, read the last data line-number |
| | | that should agree with (number of data reported on line 8 + 17) |
| | | WARNING: last data line should last line of file (or be followed by a 'line' holding no characters, i.e. a CR after last data line |
| | | |
| | | Data in the text .(d) file may be separated by spaces or tabs |
| | | Thus, data can be assembled in a spreadsheet in adjacent columns |
| | | and then copied & pasted it into the text .(d) file |

ALTERNATIVE FORM OF LINE 11 when user initializes parameters For more information see "MSW Basic User Guide"

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| 0.67 -9999 2.51e-02 1.5e-006 0.0E+00 -9999.0 | 11 | User-supplied starting values (if line 10 is "1") - ALL parameters must be assigned starting values. '-9999' will result in automatic initialization for a parameter. Parameters are ordered as on line 9: c, t0, b0, b1, ... |
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