TEMP\_run\_sim\_large\_sample\_s1

Alex Pate

16/05/2022

## Loading required package: survival

## Loading required package: stats4

## Loading required package: splines

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

## Loading required package: lattice

## Loading required package: Formula

## Loading required package: ggplot2

##   
## Attaching package: 'Hmisc'

## The following objects are masked from 'package:dplyr':  
##   
## src, summarize

## The following objects are masked from 'package:base':  
##   
## format.pval, units

## Loading required package: SparseM

##   
## Attaching package: 'SparseM'

## The following object is masked from 'package:base':  
##   
## backsolve

##   
## Attaching package: 'rms'

## The following objects are masked from 'package:VGAM':  
##   
## calibrate, lrtest

##   
## Attaching package: 'DescTools'

## The following objects are masked from 'package:Hmisc':  
##   
## Label, Mean, %nin%, Quantile

## The following object is masked from 'package:VGAM':  
##   
## Rank

##   
## Attaching package: 'kernlab'

## The following object is masked from 'package:ggplot2':  
##   
## alpha

## The following object is masked from 'package:VGAM':  
##   
## nvar

## [1] "K.sim = 3, seed.coef.sim = 1"

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.75 | 0.78 | 0.82 | 0.67 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.05 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.04 | 0.74 | 0.78 | 0.82 | 0.66 |
| OvA-N | 0.99 | 1.00 | 1.01 | -0.02/1.09 | 0.00/1.11 | 0.02/1.13 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.01 | 0.75 | 0.78 | 0.82 | 0.66 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.75 | 0.78 | 0.82 | 0.67 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.94 | 0.00/1.02 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.77 | 0.79 | 0.65 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.77 | 0.79 | 0.65 |
| OvA-N | 1.00 | 1.00 | 1.00 | 0.00/1.06 | 0.00/1.11 | 0.00/1.11 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.02 | 0.77 | 0.77 | 0.79 | 0.65 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.95 | 0.00/0.98 | 0.00/0.98 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.76 | 0.77 | 0.79 | 0.65 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.69 | 0.76 | 0.61 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.69 | 0.76 | 0.61 |
| OvA-N | 1.01 | 0.99 | 1.00 | 0.01/1.11 | -0.01/1.07 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.02 | 0.79 | 0.69 | 0.76 | 0.61 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.69 | 0.76 | 0.61 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.95 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.01 | 0.77 | 0.70 | 0.83 | 0.62 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.70 | 0.83 | 0.62 |
| OvA-N | 1.00 | 0.99 | 1.01 | 0.00/1.07 | -0.01/1.20 | 0.02/1.16 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.06 | 0.77 | 0.69 | 0.83 | 0.61 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/1.03 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.01 | 0.77 | 0.70 | 0.83 | 0.62 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.72 | 0.82 | 0.85 | 0.68 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | -0.01/1.09 | 0.01/1.14 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.10 | 0.69 | 0.81 | 0.85 | 0.66 |
| OvA-N | 0.98 | 1.00 | 1.01 | -0.03/1.12 | 0.01/1.15 | 0.03/1.18 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.71 | 0.82 | 0.85 | 0.67 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.72 | 0.82 | 0.85 | 0.68 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.94 | 0.00/1.00 | 0.00/1.04 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.81 | 0.75 | 0.65 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.81 | 0.75 | 0.65 |
| OvA-N | 1.00 | 1.00 | 0.99 | 0.00/1.06 | 0.01/1.13 | -0.01/1.12 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.04 | 0.77 | 0.81 | 0.75 | 0.65 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.95 | 0.00/0.98 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.77 | 0.81 | 0.75 | 0.65 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.68 | 0.83 | 0.86 | 0.66 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | -0.01/1.12 | 0.01/1.18 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.15 | 0.61 | 0.83 | 0.86 | 0.63 |
| OvA-N | 0.98 | 1.00 | 1.01 | -0.03/1.31 | 0.01/1.17 | 0.03/1.20 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.06 | 0.66 | 0.83 | 0.86 | 0.66 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.68 | 0.83 | 0.86 | 0.66 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.95 | 0.00/1.00 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.01 | 0.77 | 0.83 | 0.70 | 0.62 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.83 | 0.70 | 0.63 |
| OvA-N | 1.00 | 1.01 | 0.99 | 0.00/1.07 | 0.02/1.15 | -0.01/1.19 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.06 | 0.77 | 0.83 | 0.69 | 0.62 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/0.99 | 0.00/1.03 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.01 | 0.77 | 0.83 | 0.70 | 0.62 |

## [1] "K.sim = 3, seed.coef.sim = 2"

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.72 | 0.83 | 0.83 | 0.67 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.11 | 0.00/1.11 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.10 | 0.69 | 0.82 | 0.82 | 0.66 |
| OvA-N | 0.99 | 1.01 | 1.01 | -0.02/1.11 | 0.01/1.15 | 0.01/1.15 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.71 | 0.83 | 0.83 | 0.67 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.72 | 0.83 | 0.83 | 0.67 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.97 | 0.00/1.00 | 0.00/1.03 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.79 | 0.74 | 0.65 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.80 | 0.79 | 0.74 | 0.65 |
| OvA-N | 1.01 | 1.00 | 0.99 | 0.01/1.09 | 0.00/1.11 | -0.01/1.10 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.79 | 0.79 | 0.74 | 0.65 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.97 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.79 | 0.74 | 0.65 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.74 | 0.76 | 0.64 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.02 | 0.00/1.03 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.74 | 0.76 | 0.63 |
| OvA-N | 1.00 | 1.00 | 1.00 | 0.01/1.10 | -0.01/1.07 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.01 | 0.79 | 0.74 | 0.76 | 0.63 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.74 | 0.76 | 0.64 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.96 | 0.00/1.06 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.71 | 0.82 | 0.64 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.72 | 0.82 | 0.64 |
| OvA-N | 1.00 | 0.99 | 1.01 | 0.01/1.08 | -0.01/1.14 | 0.01/1.14 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.05 | 0.79 | 0.70 | 0.82 | 0.64 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/1.02 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.71 | 0.82 | 0.64 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.74 | 0.82 | 0.83 | 0.68 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.10 | 0.00/1.11 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.08 | 0.71 | 0.82 | 0.83 | 0.67 |
| OvA-N | 0.99 | 1.01 | 1.01 | -0.02/1.10 | 0.01/1.14 | 0.02/1.15 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.02 | 0.73 | 0.82 | 0.83 | 0.68 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.74 | 0.82 | 0.83 | 0.68 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.96 | 0.00/1.01 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.79 | 0.77 | 0.66 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.79 | 0.77 | 0.66 |
| OvA-N | 1.00 | 1.00 | 1.00 | 0.01/1.08 | 0.00/1.12 | -0.01/1.11 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.79 | 0.79 | 0.76 | 0.66 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.96 | 0.00/0.98 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.79 | 0.77 | 0.66 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.70 | 0.84 | 0.85 | 0.67 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.13 | 0.00/1.15 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.14 | 0.64 | 0.84 | 0.85 | 0.65 |
| OvA-N | 0.98 | 1.01 | 1.01 | -0.03/1.20 | 0.01/1.17 | 0.02/1.18 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.05 | 0.68 | 0.84 | 0.85 | 0.67 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.70 | 0.84 | 0.85 | 0.67 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.97 | 0.00/1.00 | 0.00/1.06 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.82 | 0.71 | 0.64 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.79 | 0.82 | 0.71 | 0.64 |
| OvA-N | 1.00 | 1.01 | 0.99 | 0.01/1.09 | 0.01/1.14 | -0.02/1.14 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.05 | 0.79 | 0.82 | 0.70 | 0.64 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/0.99 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.79 | 0.82 | 0.71 | 0.64 |

## [1] "K.sim = 3, seed.coef.sim = 3"

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.65 | 0.78 | 0.77 | 0.60 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.10 | 0.00/1.09 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.08 | 0.63 | 0.78 | 0.77 | 0.59 |
| OvA-N | 0.99 | 1.00 | 1.00 | -0.01/1.11 | 0.01/1.11 | 0.01/1.11 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.02 | 0.64 | 0.78 | 0.77 | 0.60 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.65 | 0.78 | 0.77 | 0.60 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.99 | 0.00/1.00 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.74 | 0.74 | 0.67 | 0.58 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.75 | 0.74 | 0.67 | 0.58 |
| OvA-N | 1.00 | 1.00 | 1.00 | 0.01/1.07 | 0.00/1.08 | -0.01/1.07 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.02 | 0.74 | 0.74 | 0.66 | 0.58 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.99 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.74 | 0.74 | 0.67 | 0.58 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.75 | 0.71 | 0.71 | 0.58 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.02 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.75 | 0.71 | 0.71 | 0.58 |
| OvA-N | 1.00 | 1.00 | 1.00 | 0.00/1.08 | 0.00/1.06 | 0.00/1.06 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.01 | 0.75 | 0.71 | 0.70 | 0.58 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.75 | 0.71 | 0.71 | 0.58 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/1.04 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.67 | 0.78 | 0.60 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.67 | 0.78 | 0.60 |
| OvA-N | 1.00 | 0.99 | 1.00 | 0.01/1.08 | -0.01/1.11 | 0.00/1.11 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.04 | 0.76 | 0.66 | 0.78 | 0.59 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.99 | 0.00/1.01 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.76 | 0.67 | 0.78 | 0.60 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.68 | 0.81 | 0.80 | 0.63 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.11 | 0.00/1.10 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.10 | 0.64 | 0.80 | 0.80 | 0.62 |
| OvA-N | 0.99 | 1.01 | 1.00 | -0.02/1.12 | 0.01/1.13 | 0.01/1.13 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.67 | 0.80 | 0.80 | 0.63 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.68 | 0.81 | 0.80 | 0.63 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/1.00 | 0.00/1.02 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.77 | 0.69 | 0.60 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.77 | 0.69 | 0.60 |
| OvA-N | 1.00 | 1.00 | 0.99 | 0.01/1.08 | 0.00/1.10 | -0.01/1.09 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.03 | 0.76 | 0.77 | 0.69 | 0.60 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/0.99 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.76 | 0.77 | 0.69 | 0.60 |

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| ANAL.METHOD | OvE.Y.1 | OvE.Y.2 | OvE.Y.3 | wc.po.Y.1 | wc.po.Y.2 | wc.po.Y.3 | wc.ms.LP1 | wc.ms.LP2 | wc.ms.LP3 | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.66 | 0.81 | 0.81 | 0.63 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.12 | 0.00/1.12 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.12 | 0.61 | 0.81 | 0.80 | 0.61 |
| OvA-N | 0.99 | 1.01 | 1.01 | -0.02/1.19 | 0.01/1.14 | 0.01/1.14 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.04 | 0.64 | 0.81 | 0.81 | 0.62 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.66 | 0.81 | 0.81 | 0.63 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 1.00 | 1.00 | 1.00 | 0.00/0.98 | 0.00/1.00 | 0.00/1.04 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.76 | 0.78 | 0.67 | 0.59 |
| c-ratio | 1.00 | 1.00 | 1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | NA/NA | 0.00 | 0.77 | 0.78 | 0.67 | 0.60 |
| OvA-N | 1.00 | 1.00 | 0.99 | 0.01/1.08 | 0.00/1.11 | -0.01/1.11 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.04 | 0.76 | 0.78 | 0.66 | 0.59 |
| OvO-PC | 1.00 | 1.00 | 1.00 | 0.00/0.99 | 0.00/0.99 | 0.00/1.01 | 0.00/1.00 | 0.00/1.00 | 0.00/1.00 | 0.00 | 0.76 | 0.78 | 0.67 | 0.59 |

## [1] "K.sim = 5, seed.coef.sim = 1"

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| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.67 | 0.80 | 0.84 | 0.80 | 0.79 | 0.51 |
| c-ratio | 0.10 | 0.63 | 0.78 | 0.84 | 0.79 | 0.79 | 0.50 |
| OvA-N | 0.06 | 0.66 | 0.79 | 0.84 | 0.80 | 0.79 | 0.51 |
| OvO-PC | 0.00 | 0.67 | 0.80 | 0.84 | 0.80 | 0.79 | 0.51 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.77 | 0.77 | 0.84 | 0.79 | 0.80 | 0.40 |
| c-ratio | 0.00 | 0.77 | 0.77 | 0.84 | 0.80 | 0.81 | 0.41 |
| OvA-N | 0.02 | 0.77 | 0.77 | 0.84 | 0.79 | 0.80 | 0.40 |
| OvO-PC | 0.01 | 0.77 | 0.77 | 0.84 | 0.79 | 0.80 | 0.41 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.79 | 0.67 | 0.74 | 0.68 | 0.71 | 0.43 |
| c-ratio | 0.01 | 0.79 | 0.67 | 0.74 | 0.67 | 0.71 | 0.42 |
| OvA-N | 0.02 | 0.79 | 0.67 | 0.74 | 0.67 | 0.71 | 0.42 |
| OvO-PC | 0.00 | 0.79 | 0.67 | 0.74 | 0.68 | 0.71 | 0.43 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.77 | 0.74 | 0.70 | 0.67 | 0.86 | 0.45 |
| c-ratio | 0.00 | 0.78 | 0.75 | 0.70 | 0.67 | 0.86 | 0.45 |
| OvA-N | 0.09 | 0.77 | 0.74 | 0.69 | 0.65 | 0.86 | 0.44 |
| OvO-PC | 0.01 | 0.77 | 0.74 | 0.70 | 0.67 | 0.86 | 0.45 |

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| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.73 | 0.75 | 0.82 | 0.72 | 0.81 | 0.47 |
| c-ratio | 0.09 | 0.71 | 0.73 | 0.81 | 0.71 | 0.81 | 0.46 |
| OvA-N | 0.05 | 0.73 | 0.74 | 0.82 | 0.71 | 0.81 | 0.47 |
| OvO-PC | 0.00 | 0.73 | 0.75 | 0.82 | 0.72 | 0.81 | 0.47 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.77 | 0.74 | 0.78 | 0.73 | 0.81 | 0.47 |
| c-ratio | 0.00 | 0.78 | 0.75 | 0.78 | 0.74 | 0.81 | 0.48 |
| OvA-N | 0.07 | 0.77 | 0.74 | 0.78 | 0.72 | 0.80 | 0.47 |
| OvO-PC | 0.01 | 0.77 | 0.74 | 0.78 | 0.73 | 0.81 | 0.48 |

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| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.68 | 0.77 | 0.83 | 0.73 | 0.83 | 0.47 |
| c-ratio | 0.15 | 0.61 | 0.75 | 0.82 | 0.73 | 0.83 | 0.45 |
| OvA-N | 0.09 | 0.66 | 0.76 | 0.83 | 0.73 | 0.83 | 0.46 |
| OvO-PC | 0.00 | 0.68 | 0.77 | 0.83 | 0.73 | 0.83 | 0.47 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.02 | 0.77 | 0.74 | 0.81 | 0.73 | 0.73 | 0.46 |
| c-ratio | 0.00 | 0.78 | 0.75 | 0.81 | 0.73 | 0.74 | 0.46 |
| OvA-N | 0.11 | 0.77 | 0.74 | 0.81 | 0.71 | 0.72 | 0.45 |
| OvO-PC | 0.02 | 0.77 | 0.74 | 0.81 | 0.73 | 0.73 | 0.46 |

## [1] "K.sim = 5, seed.coef.sim = 2"

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| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.67 | 0.84 | 0.82 | 0.74 | 0.86 | 0.52 |
| c-ratio | 0.08 | 0.63 | 0.84 | 0.81 | 0.73 | 0.86 | 0.50 |
| OvA-N | 0.04 | 0.66 | 0.84 | 0.81 | 0.74 | 0.86 | 0.52 |
| OvO-PC | 0.00 | 0.67 | 0.84 | 0.82 | 0.74 | 0.86 | 0.52 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.00 | 0.80 | 0.81 | 0.74 | 0.87 | 0.80 | 0.43 |
| c-ratio | 0.00 | 0.80 | 0.81 | 0.74 | 0.87 | 0.80 | 0.44 |
| OvA-N | 0.01 | 0.80 | 0.81 | 0.73 | 0.87 | 0.79 | 0.42 |
| OvO-PC | 0.00 | 0.80 | 0.81 | 0.74 | 0.87 | 0.80 | 0.43 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.77 | 0.73 | 0.72 | 0.63 | 0.75 | 0.43 |
| c-ratio | 0.01 | 0.77 | 0.72 | 0.72 | 0.62 | 0.75 | 0.43 |
| OvA-N | 0.01 | 0.77 | 0.73 | 0.72 | 0.62 | 0.75 | 0.43 |
| OvO-PC | 0.00 | 0.77 | 0.73 | 0.72 | 0.63 | 0.75 | 0.43 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.79 | 0.74 | 0.62 | 0.73 | 0.84 | 0.46 |
| c-ratio | 0.00 | 0.80 | 0.75 | 0.63 | 0.73 | 0.84 | 0.46 |
| OvA-N | 0.08 | 0.80 | 0.74 | 0.61 | 0.72 | 0.84 | 0.45 |
| OvO-PC | 0.01 | 0.80 | 0.74 | 0.62 | 0.73 | 0.84 | 0.46 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.70 | 0.79 | 0.81 | 0.75 | 0.82 | 0.50 |
| c-ratio | 0.07 | 0.67 | 0.78 | 0.80 | 0.74 | 0.82 | 0.49 |
| OvA-N | 0.04 | 0.69 | 0.79 | 0.81 | 0.74 | 0.82 | 0.50 |
| OvO-PC | 0.00 | 0.70 | 0.79 | 0.81 | 0.75 | 0.82 | 0.50 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.79 | 0.74 | 0.77 | 0.75 | 0.77 | 0.48 |
| c-ratio | 0.00 | 0.80 | 0.74 | 0.78 | 0.76 | 0.77 | 0.49 |
| OvA-N | 0.06 | 0.79 | 0.74 | 0.77 | 0.75 | 0.76 | 0.48 |
| OvO-PC | 0.01 | 0.79 | 0.74 | 0.78 | 0.75 | 0.77 | 0.48 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.64 | 0.80 | 0.82 | 0.79 | 0.82 | 0.49 |
| c-ratio | 0.11 | 0.58 | 0.79 | 0.81 | 0.78 | 0.82 | 0.47 |
| OvA-N | 0.07 | 0.63 | 0.79 | 0.82 | 0.78 | 0.82 | 0.49 |
| OvO-PC | 0.00 | 0.64 | 0.80 | 0.82 | 0.79 | 0.82 | 0.49 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.79 | 0.74 | 0.81 | 0.71 | 0.69 | 0.45 |
| c-ratio | 0.00 | 0.80 | 0.74 | 0.82 | 0.71 | 0.70 | 0.46 |
| OvA-N | 0.08 | 0.79 | 0.74 | 0.81 | 0.70 | 0.67 | 0.44 |
| OvO-PC | 0.01 | 0.79 | 0.74 | 0.82 | 0.71 | 0.69 | 0.45 |

## [1] "K.sim = 5, seed.coef.sim = 3"

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.62 | 0.80 | 0.73 | 0.71 | 0.83 | 0.45 |
| c-ratio | 0.07 | 0.58 | 0.80 | 0.73 | 0.70 | 0.83 | 0.44 |
| OvA-N | 0.05 | 0.61 | 0.80 | 0.73 | 0.70 | 0.83 | 0.45 |
| OvO-PC | 0.00 | 0.62 | 0.80 | 0.73 | 0.71 | 0.83 | 0.45 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.00 | 0.75 | 0.77 | 0.69 | 0.80 | 0.70 | 0.37 |
| c-ratio | 0.00 | 0.75 | 0.77 | 0.69 | 0.81 | 0.71 | 0.38 |
| OvA-N | 0.00 | 0.75 | 0.77 | 0.69 | 0.80 | 0.70 | 0.37 |
| OvO-PC | 0.00 | 0.75 | 0.77 | 0.69 | 0.80 | 0.70 | 0.38 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.77 | 0.69 | 0.62 | 0.66 | 0.73 | 0.40 |
| c-ratio | 0.01 | 0.77 | 0.69 | 0.62 | 0.65 | 0.73 | 0.39 |
| OvA-N | 0.02 | 0.77 | 0.69 | 0.62 | 0.66 | 0.73 | 0.39 |
| OvO-PC | 0.00 | 0.77 | 0.69 | 0.62 | 0.66 | 0.73 | 0.40 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.76 | 0.70 | 0.63 | 0.70 | 0.85 | 0.43 |
| c-ratio | 0.00 | 0.77 | 0.70 | 0.63 | 0.71 | 0.85 | 0.43 |
| OvA-N | 0.09 | 0.77 | 0.70 | 0.62 | 0.68 | 0.85 | 0.42 |
| OvO-PC | 0.01 | 0.76 | 0.70 | 0.63 | 0.70 | 0.85 | 0.43 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.67 | 0.78 | 0.78 | 0.79 | 0.79 | 0.47 |
| c-ratio | 0.09 | 0.63 | 0.77 | 0.77 | 0.79 | 0.79 | 0.46 |
| OvA-N | 0.06 | 0.66 | 0.77 | 0.78 | 0.79 | 0.79 | 0.47 |
| OvO-PC | 0.00 | 0.67 | 0.78 | 0.78 | 0.79 | 0.79 | 0.47 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.76 | 0.70 | 0.82 | 0.68 | 0.75 | 0.45 |
| c-ratio | 0.00 | 0.77 | 0.70 | 0.82 | 0.69 | 0.75 | 0.45 |
| OvA-N | 0.06 | 0.77 | 0.70 | 0.82 | 0.67 | 0.74 | 0.44 |
| OvO-PC | 0.01 | 0.77 | 0.70 | 0.82 | 0.68 | 0.75 | 0.45 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ANAL.METHOD | ECI | AUC.Y.1 | AUC.Y.2 | AUC.Y.3 | AUC.Y.4 | AUC.Y.5 | PDI |
| NA | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT | DGM MULT |
| Mult | 0.00 | 0.63 | 0.79 | 0.79 | 0.80 | 0.80 | 0.47 |
| c-ratio | 0.12 | 0.56 | 0.78 | 0.78 | 0.80 | 0.80 | 0.44 |
| OvA-N | 0.08 | 0.63 | 0.78 | 0.79 | 0.79 | 0.79 | 0.47 |
| OvO-PC | 0.00 | 0.63 | 0.79 | 0.79 | 0.80 | 0.80 | 0.47 |
| NA | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG | DGM SEQLOG |
| Mult | 0.01 | 0.76 | 0.70 | 0.83 | 0.68 | 0.69 | 0.42 |
| c-ratio | 0.00 | 0.77 | 0.70 | 0.83 | 0.69 | 0.70 | 0.43 |
| OvA-N | 0.09 | 0.77 | 0.70 | 0.83 | 0.67 | 0.68 | 0.42 |
| OvO-PC | 0.01 | 0.76 | 0.70 | 0.83 | 0.69 | 0.69 | 0.42 |