|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Simulation  Setting | Param | True | Optim in R | | GMeta package | | CR | AL |
| Bias | SE | Bias | SE |  |  |
| 1 |  | 0.26 | .001 | .116 | .001 | .111 | 0.947 | 0.437 |
|  | 0.26 | -.002 | .098 | -.002 | .098 | 0.956 | 0.389 |
|  | 0.26 | .005 | .100 | .005 | .096 | 0.954 | 0.382 |
| 2 |  | 0.26 | .011 | .127 | .013 | .124 | 0.946 | 0.493 |
|  | 0.26 | -.006 | .074 | -.006 | .073 | 0.958 | 0.291 |
|  | 0.26 | .006 | .100 | .005 | .097 | 0.949 | 0.391 |
| 3 |  | 0.26 | .003 | .140 | .003 | .139 | 0.938 | 0.529 |
|  | 0.26 | -.003 | .084 | -.003 | .083 | 0.956 | 0.335 |
|  | 0.26 | .003 | .112 | .003 | .112 | 0.949 | 0.431 |
| 4 |  | 0.26 | -.092 | .189 | -.092 | .142 | 0.958 | 0.579 |
|  | 0.26 | .019 | .108 | .019 | .105 | 0.963 | 0.423 |
|  | 0.26 | .052 | .151 | .053 | .120 | 0.971 | 0.495 |
| 5 |  | 0.26 | .036 | .107 | .035 | .099 | 0.917 | 0.385 |
|  | 0.26 | .002 | .096 | .002 | .096 | 0.954 | 0.377 |
|  | 0.26 | .012 | .089 | .012 | .087 | 0.944 | 0.343 |
| 6 |  | 0.26 | .059 | .126 | .060 | .113 | 0.916 | 0.443 |
|  | 0.26 | -.001 | .097 | -.001 | .096 | 0.955 | 0.379 |
|  | 0.26 | -.005 | .104 | -.006 | .103 | 0.944 | 0.398 |
| 7 |  | 0.26 | .037 | .137 | .039 | .130 |  |  |
|  | 0.26 | -.006 | .098 | -.005 | .097 |  |  |
|  | 0.26 | -.026 | .121 | -.027 | .115 |  |  |
| 8 |  | 0.26 | -.041 | .190 | -.036 | .165 |  |  |
|  | 0.26 | .013 | .107 | .013 | .103 |  |  |
|  | 0.26 | .007 | .161 | .003 | .143 |  |  |
| 9 |  | 0.26 | .009 | .108 | .010 | .103 |  |  |
|  | 0.26 | -.007 | .084 | -.006 | .083 |  |  |
|  | 0.26 | -.005 | .089 | .005 | .085 |  |  |