

|                   |          |                 |               |               |                 |            |             |
|-------------------|----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>1</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 2.25961997      | 1.42666596    | -27.283385    | 1.26286702      | 1.33129269 | 0.6287110   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 2.33436055      | -18.288136    | 0.54412315    | 1.27259575      |            |             |
| <b>DataSet</b>    | <b>2</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 0.28977397      | 0.26043204    | 20.7389519    | 0.46530015      | 0.89203669 | 0.2534377   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |
| <b>DataSet</b>    | <b>3</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 1.94170984      | 1.64067358    | -22.110104    | 1.0277974       | 1.53260048 | 0.6710839   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 2.15873016      | -14.253968    | 0.60031426    | 1.01680265      |            |             |
| <b>DataSet</b>    | <b>4</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 0.743649        | 1.23570922    | 7.43285849    | 0.80079099      | 1.01978524 | 0.5093723   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 0.79345088      | 15.6539043    | 0.32269452    | 0.82282133      |            |             |
| <b>DataSet</b>    | <b>5</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 1.9868716       | 1.04114633    | -18.34358     | 1.00375974      | 0.88197235 | 0.6873430   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 2.18518519      | -14.496296    | 0.60616002    | 1.01370193      |            |             |
| <b>DataSet</b>    | <b>6</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 0.93616811      | 1.14632888    | 0.48795002    | 0.46959884      | 0.59802117 | 0.7316076   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 0.98236776      | 8.11435768    | 0.53972614    | 0.54173332      |            |             |
| <b>DataSet</b>    | <b>7</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 0.00825048      | 1.13496034    | 18.1416379    | 0.23284208      | 0.79853081 | 0.4736662   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 0.01597666      | 26.5494582    | 0.02284655    | 0.24717642      |            |             |
| <b>DataSet</b>    | <b>8</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 0.02744323      | 1.17674835    | 13.5270581    | 0.38167868      | 0.84793314 | 0.4704920   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 0.09601059      | 21.1469955    | 0.08460261    | 0.39978873      |            |             |

|                   |          |                 |               |               |                 |            |             |
|-------------------|----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>9</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |          | 1.10683349      | 1.22938723    | -5.5210138    | 0.85874515      | 1.05859554 | 0.5726449   |
| <b>HierarchMR</b> |          | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |          | 1.22580645      | 0.72903226    | 0.44546683    | 0.8710225       |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>10</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.69432134      | 1.29368991    | 3.14572646    | 0.68786235      | 1.10260803 | 0.5316509   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.80127186      | 10.5713831    | 0.37624397    | 0.69762244      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>11</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.97353224      | 1.60683349    | -5.2237729    | 0.85279126      | 1.05125603 | 0.6084140   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.12903226      | 2.94516129    | 0.39996692    | 0.91471073      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>12</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65935461      | 1.65896062    | 0.85642062    | 0.67988502      | 1.0898208  | 0.5888044   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.79650238      | 10.3786963    | 0.36110832    | 0.72721788      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>13</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.90955017      | 1.01790782    | -23.393449    | 0.41851104      | 0.48576536 | 0.894456    |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.01819284      | -18.471195    | 0.82135432    | 0.49554215      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>14</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.84765707      | 0.92472158    | -16.043917    | 1.00755594      | 0.81912978 | 0.6690602   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.07169345      | -13.698393    | 0.58913241    | 1.00461249      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>15</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.36297803      | 0.77269168    | 13.5790485    | 0.51486934      | 0.66794382 | 0.4792667   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.44174757      | 17.6398058    | 0.28712826    | 0.52103855      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>16</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.61181809      | 0.62445784    | 7.11775863    | 0.68220801      | 0.68109238 | 0.4893719   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7704918       | 8.69016393    | 0.38489115    | 0.65323421      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>17</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.56136717      | 0.63947445    | 10.5021898    | 0.26774387      | 0.39142422 | 0.7522580   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.66207951      | 13.1666667    | 0.63276509    | 0.28645505      |            |             |
| <b>DataSet</b>    | <b>18</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.85021257      | 0.43357121    | 5.12086244    | 0.37306402      | 0.46918631 | 0.7381026   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.96487603      | 6.26033058    | 0.69946242    | 0.34855179      |            |             |
| <b>DataSet</b>    | <b>19</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.08738771      | 0.57787184    | 19.0167261    | 0.48704387      | 0.78070633 | 0.3057457   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.19395866      | 21.2238474    | 0.15003474    | 0.45188552      |            |             |
| <b>DataSet</b>    | <b>20</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.28843347      | 0.27305377    | 20.694339     | 0.46505866      | 0.88440085 | 0.2560486   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |
| <b>DataSet</b>    | <b>21</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.30196339      | 0.35717871    | 19.6015957    | 0.46316245      | 0.8770547  | 0.2734175   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |
| <b>DataSet</b>    | <b>22</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.2924008       | 0.20446577    | 21.3595611    | 0.46780928      | 0.8896317  | 0.2462631   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29542097      | 22.9621861    | 0.23142407    | 0.43907126      |            |             |
| <b>DataSet</b>    | <b>23</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.23294032      | 0.31669982    | 21.4326837    | 0.43976143      | 0.83274201 | 0.2341224   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.22451994      | 24.2992614    | 0.18784131    | 0.41506726      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>24</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27722172      | 0.20586897    | 21.6922202    | 0.46918674      | 0.8921194  | 0.23522905  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.28014184      | 23.3085106    | 0.21942244    | 0.44038963      |            |             |
| <b>DataSet</b>    | <b>25</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26357475      | 0.31180258    | 20.7759918    | 0.44139718      | 0.82790022 | 0.25412279  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |
| <b>DataSet</b>    | <b>26</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27787574      | 0.08335328    | 22.6724247    | 0.4711413       | 0.89345265 | 0.22209977  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.28014184      | 23.3085106    | 0.21942244    | 0.44038963      |            |             |
| <b>DataSet</b>    | <b>27</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26556556      | 0.39912634    | 19.9541831    | 0.43937201      | 0.87104075 | 0.27095569  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |
| <b>DataSet</b>    | <b>28</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.24061032      | 0.08520678    | 23.5497088    | 0.46724158      | 0.89866677 | 0.19623811  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.24303361      | 24.1970698    | 0.19306619    | 0.43668306      |            |             |
| <b>DataSet</b>    | <b>29</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27222218      | 0.26401024    | 20.967315     | 0.44552999      | 0.89443291 | 0.23949212  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |
| <b>DataSet</b>    | <b>30</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70629411      | 0.63974577    | 5.31204999    | 0.72604097      | 0.72485365 | 0.49811231  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.86885246      | 6.92295082    | 0.40550215    | 0.69246652      |            |             |
| <b>DataSet</b>    | <b>31</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65161157      | 0.6875847     | 6.1421248     | 0.74501502      | 0.73779338 | 0.50671662  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.87704918      | 6.85901639    | 0.40561509    | 0.69876629      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>32</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65161157      | 0.6875847     | 5.4545401     | 0.74501502      | 0.73779338 | 0.50671662  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.87704918      | 6.85901639    | 0.40561509    | 0.69876629      |            |             |
| <b>DataSet</b>    | <b>33</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70485495      | 0.60761399    | 4.41876944    | 0.75043052      | 0.72480492 | 0.49895456  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.90488007      | 6.39288668    | 0.41659535    | 0.69813509      |            |             |
| <b>DataSet</b>    | <b>34</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.50672808      | 0.68606933    | 8.80198433    | 0.65743614      | 0.66400936 | 0.50119121  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.71000788      | 9.97084318    | 0.37015366    | 0.62999641      |            |             |
| <b>DataSet</b>    | <b>35</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.64243722      | 0.73358298    | 5.27819819    | 0.76539626      | 0.72916047 | 0.50834466  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8724535       | 6.96368468    | 0.388798      | 0.73094583      |            |             |
| <b>DataSet</b>    | <b>36</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.69957378      | 0.47545416    | 5.87148547    | 0.77739085      | 0.74146402 | 0.4522336   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b>    | <b>37</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.28849061      | 0.71304282    | 13.1264587    | 0.60107301      | 0.69098393 | 0.45121762  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.48540146      | 14.6861314    | 0.28720232    | 0.57236714      |            |             |
| <b>DataSet</b>    | <b>38</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.60501215      | 0.79119919    | 5.55582282    | 0.78034739      | 0.75659497 | 0.51532789  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.88042516      | 6.90345438    | 0.38830744    | 0.73872222      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>39</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70702694      | 0.43130257    | 6.07400799    | 0.78678878      | 0.75042763 | 0.44241219  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>40</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26686671      | 0.88016167    | 12.5682       | 0.6065756       | 0.73986879 | 0.48751705  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.50243309      | 14.5523114    | 0.28914338    | 0.58811412      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>41</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.37170493      | 0.81524762    | 9.64326041    | 0.72784765      | 0.73363918 | 0.49985254  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.69750231      | 10.0407031    | 0.34277841    | 0.67584217      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>42</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.89715523      | 0.15369913    | 4.84035955    | 0.76626434      | 0.78363324 | 0.43575323  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.936311        | 5.56741108    | 0.43061303    | 0.69382959      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>43</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.31174006      | 0.8597655     | 11.9104796    | 0.58243593      | 0.73943325 | 0.49757754  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.53621561      | 13.9365525    | 0.31986695    | 0.56154828      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>44</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.44402036      | 0.80552526    | 8.50327154    | 0.70188413      | 0.68586945 | 0.54591792  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>45</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.86211144      | 0.20794301    | 4.8991354     | 0.76120129      | 0.79838737 | 0.42963457  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.90983607      | 6.00327869    | 0.42033635    | 0.6943922       |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>46</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.34541136      | 0.62933551    | 12.6124464    | 0.57700402      | 0.69039973 | 0.44377753  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.5143178       | 14.0679394    | 0.31878054    | 0.54066038      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>47</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.51975415      | 0.7632521     | 7.10802243    | 0.68247795      | 0.67165729 | 0.53900813  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |
| <b>DataSet</b>    | <b>48</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.91815429      | 0.19925882    | 3.68454829    | 0.74025134      | 0.77224714 | 0.44885302  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.95081967      | 5.08360656    | 0.44031158    | 0.68547946      |            |             |
| <b>DataSet</b>    | <b>49</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.28977397      | 0.26043204    | 20.7389519    | 0.46530015      | 0.89203669 | 0.25343776  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |
| <b>DataSet</b>    | <b>50</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.94170984      | 1.64067358    | -22.110104    | 1.0277974       | 1.53260048 | 0.67108391  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.15873016      | -14.253968    | 0.60031426    | 1.01680265      |            |             |
| <b>DataSet</b>    | <b>51</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.743649        | 1.23570922    | 7.43285849    | 0.80079099      | 1.01978524 | 0.50937238  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.79345088      | 15.6539043    | 0.32269452    | 0.82282133      |            |             |
| <b>DataSet</b>    | <b>52</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.9868716       | 1.04114633    | -18.34358     | 1.00375974      | 0.88197235 | 0.68734301  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.18518519      | -14.496296    | 0.60616002    | 1.01370193      |            |             |
| <b>DataSet</b>    | <b>53</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.93616811      | 1.14632888    | 0.48795002    | 0.46959884      | 0.59802117 | 0.7316076   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.98236776      | 8.11435768    | 0.53972614    | 0.54173332      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>54</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.00825048      | 1.13496034    | 18.1416379    | 0.23284208      | 0.79853081 | 0.47366626  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.01597666      | 26.5494582    | 0.02284655    | 0.24717642      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>55</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.02744323      | 1.17674835    | 13.5270581    | 0.38167868      | 0.84793314 | 0.47049203  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.09601059      | 21.1469955    | 0.08460261    | 0.39978873      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>56</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.10683349      | 1.22938723    | -5.5210138    | 0.85874515      | 1.05859554 | 0.57264491  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.22580645      | 0.72903226    | 0.44546683    | 0.8710225       |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>57</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.69432134      | 1.29368991    | 3.14572646    | 0.68786235      | 1.10260803 | 0.53165096  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.80127186      | 10.5713831    | 0.37624397    | 0.69762244      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>58</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.97353224      | 1.60683349    | -5.2237729    | 0.85279126      | 1.05125603 | 0.60841406  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.12903226      | 2.94516129    | 0.39996692    | 0.91471073      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>59</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65935461      | 1.65896062    | 0.85642062    | 0.67988502      | 1.0898208  | 0.58880448  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.79650238      | 10.3786963    | 0.36110832    | 0.72721788      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>60</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.90955017      | 1.01790782    | -23.393449    | 0.41851104      | 0.48576536 | 0.894456    |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.01819284      | -18.471195    | 0.82135432    | 0.49554215      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>61</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.84765707      | 0.92472158    | -16.043917    | 1.00755594      | 0.81912978 | 0.66906029  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 2.07169345      | -13.698393    | 0.58913241    | 1.00461249      |            |             |



|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>62</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.36297803      | 0.77269168    | 13.5790485    | 0.51486934      | 0.66794382 | 0.47926679  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.44174757      | 17.6398058    | 0.28712826    | 0.52103855      |            |             |
| <b>DataSet</b>    | <b>63</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.61181809      | 0.62445784    | 7.11775863    | 0.68220801      | 0.68109238 | 0.48937197  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7704918       | 8.69016393    | 0.38489115    | 0.65323421      |            |             |
| <b>DataSet</b>    | <b>64</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.56136717      | 0.63947445    | 10.5021898    | 0.26774387      | 0.39142422 | 0.75225802  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.66207951      | 13.1666667    | 0.63276509    | 0.28645505      |            |             |
| <b>DataSet</b>    | <b>65</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.85021257      | 0.43357121    | 5.12086244    | 0.37306402      | 0.46918631 | 0.73810268  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.96487603      | 6.26033058    | 0.69946242    | 0.34855179      |            |             |
| <b>DataSet</b>    | <b>66</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.08738771      | 0.57787184    | 19.0167261    | 0.48704387      | 0.78070633 | 0.30574576  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.19395866      | 21.2238474    | 0.15003474    | 0.45188552      |            |             |
| <b>DataSet</b>    | <b>67</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.28843347      | 0.27305377    | 20.694339     | 0.46505866      | 0.88440085 | 0.2560486   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |
| <b>DataSet</b>    | <b>68</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.30196339      | 0.35717871    | 19.6015957    | 0.46316245      | 0.8770547  | 0.27341753  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>69</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.2924008       | 0.20446577    | 21.3595611    | 0.46780928      | 0.8896317  | 0.24626313  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.29542097      | 22.9621861    | 0.23142407    | 0.43907126      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>70</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.23294032      | 0.31669982    | 21.4326837    | 0.43976143      | 0.83274201 | 0.23412244  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.22451994      | 24.2992614    | 0.18784131    | 0.41506726      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>71</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27722172      | 0.20586897    | 21.6922202    | 0.46918674      | 0.8921194  | 0.23522905  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.28014184      | 23.3085106    | 0.21942244    | 0.44038963      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>72</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26357475      | 0.31180258    | 20.7759918    | 0.44139718      | 0.82790022 | 0.25412279  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>73</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27787574      | 0.08335328    | 22.6724247    | 0.4711413       | 0.89345265 | 0.22209977  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.28014184      | 23.3085106    | 0.21942244    | 0.44038963      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>74</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26556556      | 0.39912634    | 19.9541831    | 0.43937201      | 0.87104075 | 0.27095569  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>75</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.24061032      | 0.08520678    | 23.5497088    | 0.46724158      | 0.89866677 | 0.19623811  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.24303361      | 24.1970698    | 0.19306619    | 0.43668306      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>76</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.27222218      | 0.26401024    | 20.967315     | 0.44552999      | 0.89443291 | 0.23949212  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.25775369      | 23.5365854    | 0.21359751    | 0.41679595      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>77</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70629411      | 0.63974577    | 5.31204999    | 0.72604097      | 0.72485365 | 0.49811231  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.86885246      | 6.92295082    | 0.40550215    | 0.69246652      |            |             |
| <b>DataSet</b>    | <b>78</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65161157      | 0.6875847     | 6.1421248     | 0.74501502      | 0.73779338 | 0.50671662  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.87704918      | 6.85901639    | 0.40561509    | 0.69876629      |            |             |
| <b>DataSet</b>    | <b>79</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.65161157      | 0.6875847     | 5.4545401     | 0.74501502      | 0.73779338 | 0.50671662  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.87704918      | 6.85901639    | 0.40561509    | 0.69876629      |            |             |
| <b>DataSet</b>    | <b>80</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70485495      | 0.60761399    | 4.41876944    | 0.75043052      | 0.72480492 | 0.49895456  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.90488007      | 6.39288668    | 0.41659535    | 0.69813509      |            |             |
| <b>DataSet</b>    | <b>81</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.50672808      | 0.68606933    | 8.80198433    | 0.65743614      | 0.66400936 | 0.50119121  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.71000788      | 9.97084318    | 0.37015366    | 0.62999641      |            |             |
| <b>DataSet</b>    | <b>82</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.64243722      | 0.73358298    | 5.27819819    | 0.76539626      | 0.72916047 | 0.50834466  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8724535       | 6.96368468    | 0.388798      | 0.73094583      |            |             |
| <b>DataSet</b>    | <b>83</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.69957378      | 0.47545416    | 5.87148547    | 0.77739085      | 0.74146402 | 0.4522336   |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>84</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.28849061      | 0.71304282    | 13.1264587    | 0.60107301      | 0.69098393 | 0.45121762  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.48540146      | 14.6861314    | 0.28720232    | 0.57236714      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>85</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.60501215      | 0.79119919    | 5.55582282    | 0.78034739      | 0.75659497 | 0.51532789  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.88042516      | 6.90345438    | 0.38830744    | 0.73872222      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>86</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.70702694      | 0.43130257    | 6.07400799    | 0.78678878      | 0.75042763 | 0.44241219  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>87</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.26686671      | 0.88016167    | 12.5682       | 0.6065756       | 0.73986879 | 0.48751705  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.50243309      | 14.5523114    | 0.28914338    | 0.58811412      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>88</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.37170493      | 0.81524762    | 9.64326041    | 0.72784765      | 0.73363918 | 0.49985254  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.69750231      | 10.0407031    | 0.34277841    | 0.67584217      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>89</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.89715523      | 0.15369913    | 4.84035955    | 0.76626434      | 0.78363324 | 0.43575323  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.936311        | 5.56741108    | 0.43061303    | 0.69382959      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>90</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.31174006      | 0.8597655     | 11.9104796    | 0.58243593      | 0.73943325 | 0.49757754  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.53621561      | 13.9365525    | 0.31986695    | 0.56154828      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>91</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.44402036      | 0.80552526    | 8.50327154    | 0.70188413      | 0.68586945 | 0.54591792  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>92</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.86211144      | 0.20794301    | 4.8991354     | 0.76120129      | 0.79838737 | 0.42963457  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.90983607      | 6.00327869    | 0.42033635    | 0.6943922       |            |             |
| <b>DataSet</b>    | <b>93</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.34541136      | 0.62933551    | 12.6124464    | 0.57700402      | 0.69039973 | 0.44377753  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.5143178       | 14.0679394    | 0.31878054    | 0.54066038      |            |             |
| <b>DataSet</b>    | <b>94</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.51975415      | 0.7632521     | 7.10802243    | 0.68247795      | 0.67165729 | 0.53900813  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |
| <b>DataSet</b>    | <b>95</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.91815429      | 0.19925882    | 3.68454829    | 0.74025134      | 0.77224714 | 0.44885302  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.95081967      | 5.08360656    | 0.44031158    | 0.68547946      |            |             |
| <b>DataSet</b>    | <b>96</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.17902518      | 0.05197505    | 0.42977593    | 0.78129369      | 0.77684183 | 0.51091145  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.19157088      | 0.74521073    | 0.51044877    | 0.70969999      |            |             |
| <b>DataSet</b>    | <b>97</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.10775301      | 0.2408833     | -1.4770415    | 0.71527548      | 0.77433321 | 0.52661679  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.13934426      | 0.61311475    | 0.51704383    | 0.66686134      |            |             |
| <b>DataSet</b>    | <b>98</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 1.1778233       | 0.04748842    | 0.35904881    | 0.78000116      | 0.75273601 | 0.50695894  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 1.18773946      | 0.72030651    | 0.50654203    | 0.71478662      |            |             |

|                   |           |                 |               |               |                 |            |             |
|-------------------|-----------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>99</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |           | 0.72939827      | 0.17725944    | 6.94946931    | 0.65494185      | 0.66148053 | 0.41119645  |
| <b>HierarchMR</b> |           | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |           | 0.75409836      | 8.61803279    | 0.40069671    | 0.60962478      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>100</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.94235178      | 0.05655056    | 4.51736811    | 0.68154939      | 0.59194252 | 0.46626859  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.94636015      | 5.151341      | 0.46517307    | 0.63671926      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>101</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.89700698      | 0.08697024    | 3.83794441    | 0.61265806      | 0.50878483 | 0.4854575   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.89344262      | 5.03114754    | 0.48216025    | 0.57395196      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>102</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.94113251      | 0.01278645    | 4.98630023    | 0.68775225      | 0.48619786 | 0.46108602  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.94252874      | 5.12643678    | 0.46100165    | 0.64145501      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>103</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.89754443      | 0.03839299    | 5.99752463    | 0.75429815      | 0.57940897 | 0.4172167   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.90488007      | 6.39288668    | 0.41659535    | 0.69813509      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>104</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.50672808      | 0.68606933    | 8.80198433    | 0.65743614      | 0.66400936 | 0.50119121  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.71000788      | 9.97084318    | 0.37015366    | 0.62999641      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>105</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.64243722      | 0.73358298    | 5.27819819    | 0.76539626      | 0.72916047 | 0.50834466  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.8724535       | 6.96368468    | 0.388798      | 0.73094583      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>106</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.69957378      | 0.47545416    | 5.87148547    | 0.77739085      | 0.74146402 | 0.4522336   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |

|                |            |                 |               |               |                 |            |             |
|----------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b> | <b>107</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.28849061      | 0.71304282    | 13.1264587    | 0.60107301      | 0.69098393 | 0.45121762  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.48540146      | 14.6861314    | 0.28720232    | 0.57236714      |            |             |
| <b>DataSet</b> | <b>108</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.60501215      | 0.79119919    | 5.55582282    | 0.78034739      | 0.75659497 | 0.51532789  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.88042516      | 6.90345438    | 0.38830744    | 0.73872222      |            |             |
| <b>DataSet</b> | <b>109</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.70702694      | 0.43130257    | 6.07400799    | 0.78678878      | 0.75042763 | 0.44241219  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b> | <b>110</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.26686671      | 0.88016167    | 12.5682       | 0.6065756       | 0.73986879 | 0.48751705  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.50243309      | 14.5523114    | 0.28914338    | 0.58811412      |            |             |
| <b>DataSet</b> | <b>111</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.37170493      | 0.81524762    | 9.64326041    | 0.72784765      | 0.73363918 | 0.49985254  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.69750231      | 10.0407031    | 0.34277841    | 0.67584217      |            |             |
| <b>DataSet</b> | <b>112</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.89715523      | 0.15369913    | 4.84035955    | 0.76626434      | 0.78363324 | 0.43575323  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.936311        | 5.56741108    | 0.43061303    | 0.69382959      |            |             |
| <b>DataSet</b> | <b>113</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.31174006      | 0.8597655     | 11.9104796    | 0.58243593      | 0.73943325 | 0.49757754  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.53621561      | 13.9365525    | 0.31986695    | 0.56154828      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>114</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.44402036      | 0.80552526    | 8.50327154    | 0.70188413      | 0.68586945 | 0.54591792  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |
| <b>DataSet</b>    | <b>115</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.86211144      | 0.20794301    | 4.8991354     | 0.76120129      | 0.79838737 | 0.42963457  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.90983607      | 6.00327869    | 0.42033635    | 0.6943922       |            |             |
| <b>DataSet</b>    | <b>116</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.34541136      | 0.62933551    | 12.6124464    | 0.57700402      | 0.69039973 | 0.44377753  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.5143178       | 14.0679394    | 0.31878054    | 0.54066038      |            |             |
| <b>DataSet</b>    | <b>117</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.51975415      | 0.7632521     | 7.10802243    | 0.68247795      | 0.67165729 | 0.53900813  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |
| <b>DataSet</b>    | <b>118</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.91815429      | 0.19925882    | 3.68454829    | 0.74025134      | 0.77224714 | 0.44885302  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.95081967      | 5.08360656    | 0.44031158    | 0.68547946      |            |             |
| <b>DataSet</b>    | <b>119</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.17902518      | 0.05197505    | 0.42977593    | 0.78129369      | 0.77684183 | 0.51091145  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.19157088      | 0.74521073    | 0.51044877    | 0.70969999      |            |             |
| <b>DataSet</b>    | <b>120</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.10775301      | 0.2408833     | -1.4770415    | 0.71527548      | 0.77433321 | 0.52661679  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.13934426      | 0.61311475    | 0.51704383    | 0.66686134      |            |             |
| <b>DataSet</b>    | <b>121</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.1778233       | 0.04748842    | 0.35904881    | 0.78000116      | 0.75273601 | 0.50695894  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.18773946      | 0.72030651    | 0.50654203    | 0.71478662      |            |             |



|                |            |                 |               |               |                 |            |             |
|----------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b> | <b>122</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.82477765      | 0.31067413    | 4.23456545    | 0.75326958      | 0.78827734 | 0.41958796  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b> | <b>123</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.28849061      | 0.71304282    | 13.1264587    | 0.60107301      | 0.69098393 | 0.45121762  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.48540146      | 14.6861314    | 0.28720232    | 0.57236714      |            |             |
| <b>DataSet</b> | <b>124</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.60501215      | 0.79119919    | 5.55582282    | 0.78034739      | 0.75659497 | 0.51532789  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.88042516      | 6.90345438    | 0.38830744    | 0.73872222      |            |             |
| <b>DataSet</b> | <b>125</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.70702694      | 0.43130257    | 6.07400799    | 0.78678878      | 0.75042763 | 0.44241219  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b> | <b>126</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.26686671      | 0.88016167    | 12.5682       | 0.6065756       | 0.73986879 | 0.48751705  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.50243309      | 14.5523114    | 0.28914338    | 0.58811412      |            |             |
| <b>DataSet</b> | <b>127</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.37170493      | 0.81524762    | 9.64326041    | 0.72784765      | 0.73363918 | 0.49985254  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.69750231      | 10.0407031    | 0.34277841    | 0.67584217      |            |             |
| <b>DataSet</b> | <b>128</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.89715523      | 0.15369913    | 4.84035955    | 0.76626434      | 0.78363324 | 0.43575323  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.936311        | 5.56741108    | 0.43061303    | 0.69382959      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>129</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.31174006      | 0.8597655     | 11.9104796    | 0.58243593      | 0.73943325 | 0.49757754  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.53621561      | 13.9365525    | 0.31986695    | 0.56154828      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>130</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.44402036      | 0.80552526    | 8.50327154    | 0.70188413      | 0.68586945 | 0.54591792  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>131</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.86211144      | 0.20794301    | 4.8991354     | 0.76120129      | 0.79838737 | 0.42963457  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.90983607      | 6.00327869    | 0.42033635    | 0.6943922       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>132</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.34541136      | 0.62933551    | 12.6124464    | 0.57700402      | 0.69039973 | 0.44377753  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.5143178       | 14.0679394    | 0.31878054    | 0.54066038      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>133</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.51975415      | 0.7632521     | 7.10802243    | 0.68247795      | 0.67165729 | 0.53900813  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>134</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.91815429      | 0.19925882    | 3.68454829    | 0.74025134      | 0.77224714 | 0.44885302  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.95081967      | 5.08360656    | 0.44031158    | 0.68547946      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>135</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.28977397      | 0.26043204    | 20.7389519    | 0.46530015      | 0.89203669 | 0.25343776  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.29246677      | 22.8345643    | 0.22986115    | 0.43780277      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>136</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.94170984      | 1.64067358    | -22.110104    | 1.0277974       | 1.53260048 | 0.67108391  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 2.15873016      | -14.253968    | 0.60031426    | 1.01680265      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>137</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.743649        | 1.23570922    | 7.43285849    | 0.80079099      | 1.01978524 | 0.50937238  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.79345088      | 15.6539043    | 0.32269452    | 0.82282133      |            |             |
| <b>DataSet</b>    | <b>138</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.9868716       | 1.04114633    | -18.34358     | 1.00375974      | 0.88197235 | 0.68734301  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 2.18518519      | -14.496296    | 0.60616002    | 1.01370193      |            |             |
| <b>DataSet</b>    | <b>139</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.93616811      | 1.14632888    | 0.48795002    | 0.46959884      | 0.59802117 | 0.7316076   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.98236776      | 8.11435768    | 0.53972614    | 0.54173332      |            |             |
| <b>DataSet</b>    | <b>140</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.00825048      | 1.13496034    | 18.1416379    | 0.23284208      | 0.79853081 | 0.47366626  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.01597666      | 26.5494582    | 0.02284655    | 0.24717642      |            |             |
| <b>DataSet</b>    | <b>141</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.02744323      | 1.17674835    | 13.5270581    | 0.38167868      | 0.84793314 | 0.47049203  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.09601059      | 21.1469955    | 0.08460261    | 0.39978873      |            |             |
| <b>DataSet</b>    | <b>142</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.957561        | 1.23103534    | -0.166138     | 0.45537732      | 0.59162701 | 0.74975285  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.98236776      | 8.11435768    | 0.53972614    | 0.54173332      |            |             |
| <b>DataSet</b>    | <b>143</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.01158587      | 1.25724231    | 17.1182368    | 0.23664823      | 0.81158399 | 0.50583835  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.02014448      | 26.4319255    | 0.02776147    | 0.25644915      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>144</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.02271164      | 1.2238607     | 13.6603239    | 0.38948001      | 0.86526449 | 0.47680579  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.09402417      | 21.5853336    | 0.08088024    | 0.40966318      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>145</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.02972783      | 1.17575132    | 13.48757      | 0.38186733      | 0.84856288 | 0.47059736  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.10092654      | 21.0420251    | 0.08895652    | 0.39953736      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>146</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.08924836      | 1.22512333    | -3.7900236    | 0.50032177      | 0.59618725 | 0.7590504   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.14912281      | 3.85087719    | 0.56611151    | 0.5915887       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>147</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.00768281      | 1.14413181    | 18.3902478    | 0.23229487      | 0.82045394 | 0.4672082   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.02311874      | 26.6549872    | 0.03329669    | 0.24534502      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>148</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.02548623      | 0.78023929    | 17.4123689    | 0.40160082      | 0.91607894 | 0.31023313  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.05661314      | 22.5073663    | 0.05086333    | 0.39301124      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>149</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.10575311      | 1.13341043    | 11.7344705    | 0.37420183      | 0.83152904 | 0.47855759  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.17438782      | 19.0168762    | 0.15609089    | 0.39015524      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>150</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.77048025      | 1.23478874    | 1.8251334     | 0.44766378      | 0.53343959 | 0.7465627   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.83082707      | 9.52631579    | 0.46748613    | 0.55545563      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>151</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.01076673      | 1.0881706     | 18.4174647    | 0.22614637      | 0.79633249 | 0.45901563  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.00819672      | 26.8688525    | 0.01217132    | 0.23808128      |            |             |

|                |            |                 |               |               |                 |            |             |
|----------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b> | <b>152</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.023345        | 0.77896467    | 17.3851031    | 0.40306878      | 0.94286398 | 0.30199926  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.05661314      | 22.5073663    | 0.05086333    | 0.39301124      |            |             |
| <b>DataSet</b> | <b>153</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.82800182      | 0.36901427    | 4.75744348    | 0.77511948      | 0.78384661 | 0.42096953  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8724535       | 6.96368468    | 0.388798      | 0.73094583      |            |             |
| <b>DataSet</b> | <b>154</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.84543132      | 0.12231835    | 6.48942867    | 0.76265794      | 0.7651938  | 0.40104293  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b> | <b>155</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.28849061      | 0.71304282    | 13.1264587    | 0.60107301      | 0.69098393 | 0.45121762  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.48540146      | 14.6861314    | 0.28720232    | 0.57236714      |            |             |
| <b>DataSet</b> | <b>156</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.60501215      | 0.79119919    | 5.55582282    | 0.78034739      | 0.75659497 | 0.51532789  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.88042516      | 6.90345438    | 0.38830744    | 0.73872222      |            |             |
| <b>DataSet</b> | <b>157</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.70702694      | 0.43130257    | 6.07400799    | 0.78678878      | 0.75042763 | 0.44241219  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.8643507       | 7.29942101    | 0.39720563    | 0.70606447      |            |             |
| <b>DataSet</b> | <b>158</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| StandardMR     |            | 0.26686671      | 0.88016167    | 12.5682       | 0.6065756       | 0.73986879 | 0.48751705  |
| HierarchMR     |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                |            | 0.50243309      | 14.5523114    | 0.28914338    | 0.58811412      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>159</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.37170493      | 0.81524762    | 9.64326041    | 0.72784765      | 0.73363918 | 0.49985254  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.69750231      | 10.0407031    | 0.34277841    | 0.67584217      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>160</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.89715523      | 0.15369913    | 4.84035955    | 0.76626434      | 0.78363324 | 0.43575323  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.936311        | 5.56741108    | 0.43061303    | 0.69382959      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>161</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.31174006      | 0.8597655     | 11.9104796    | 0.58243593      | 0.73943325 | 0.49757754  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.53621561      | 13.9365525    | 0.31986695    | 0.56154828      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>162</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.44402036      | 0.80552526    | 8.50327154    | 0.70188413      | 0.68586945 | 0.54591792  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>163</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.86211144      | 0.20794301    | 4.8991354     | 0.76120129      | 0.79838737 | 0.42963457  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.90983607      | 6.00327869    | 0.42033635    | 0.6943922       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>164</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.34541136      | 0.62933551    | 12.6124464    | 0.57700402      | 0.69039973 | 0.44377753  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.5143178       | 14.0679394    | 0.31878054    | 0.54066038      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>165</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.51975415      | 0.7632521     | 7.10802243    | 0.68247795      | 0.67165729 | 0.53900813  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.7992126       | 8.25590551    | 0.3996063     | 0.6481955       |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>166</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.91815429      | 0.19925882    | 3.68454829    | 0.74025134      | 0.77224714 | 0.44885302  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.95081967      | 5.08360656    | 0.44031158    | 0.68547946      |            |             |

|                   |            |                 |               |               |                 |            |             |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>DataSet</b>    | <b>167</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.17902518      | 0.05197505    | 0.42977593    | 0.78129369      | 0.77684183 | 0.51091145  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.19157088      | 0.74521073    | 0.51044877    | 0.70969999      |            |             |
| <b>DataSet</b>    | <b>168</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.10775301      | 0.2408833     | -1.4770415    | 0.71527548      | 0.77433321 | 0.52661679  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.13934426      | 0.61311475    | 0.51704383    | 0.66686134      |            |             |
| <b>DataSet</b>    | <b>169</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 1.1778233       | 0.04748842    | 0.35904881    | 0.78000116      | 0.75273601 | 0.50695894  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 1.18773946      | 0.72030651    | 0.50654203    | 0.71478662      |            |             |
| <b>DataSet</b>    | <b>170</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.72939827      | 0.17725944    | 6.94946931    | 0.65494185      | 0.66148053 | 0.41119645  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.75409836      | 8.61803279    | 0.40069671    | 0.60962478      |            |             |
| <b>DataSet</b>    | <b>171</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.94235178      | 0.05655056    | 4.51736811    | 0.68154939      | 0.59194252 | 0.46626859  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.94636015      | 5.151341      | 0.46517307    | 0.63671926      |            |             |
| <b>DataSet</b>    | <b>172</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.89700698      | 0.08697024    | 3.83794441    | 0.61265806      | 0.50878483 | 0.4854575   |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.89344262      | 5.03114754    | 0.48216025    | 0.57395196      |            |             |
| <b>DataSet</b>    | <b>173</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
| <b>StandardMR</b> |            | 0.94113251      | 0.01278645    | 4.98630023    | 0.68775225      | 0.48619786 | 0.46108602  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.94252874      | 5.12643678    | 0.46100165    | 0.64145501      |            |             |

| <b>DataSet</b>    | <b>174</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>StandardMR</b> |            | 0.89720699      | 0.03710699    | 6.02608305    | 0.75573507      | 0.58179186 | 0.41717101  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.90488007      | 6.39288668    | 0.41659535    | 0.69813509      |            |             |

| <b>DataSet</b>    | <b>175</b> | <b>b1</b>       | <b>b2</b>     | <b>a</b>      | <b>sb1</b>      | <b>sb2</b> | <b>R12y</b> |
|-------------------|------------|-----------------|---------------|---------------|-----------------|------------|-------------|
| <b>StandardMR</b> |            | 0.50672808      | 0.68606933    | 8.80198433    | 0.65743614      | 0.66400936 | 0.50119121  |
| <b>HierarchMR</b> |            | <b>Step 1b1</b> | <b>Step1a</b> | <b>Step1R</b> | <b>Step1sb1</b> |            |             |
|                   |            | 0.71000788      | 9.97084318    | 0.37015366    | 0.62999641      |            |             |