Time Varying BC95-JTT-HN-short period

SFACD BC95-JTT-HN Elasticities

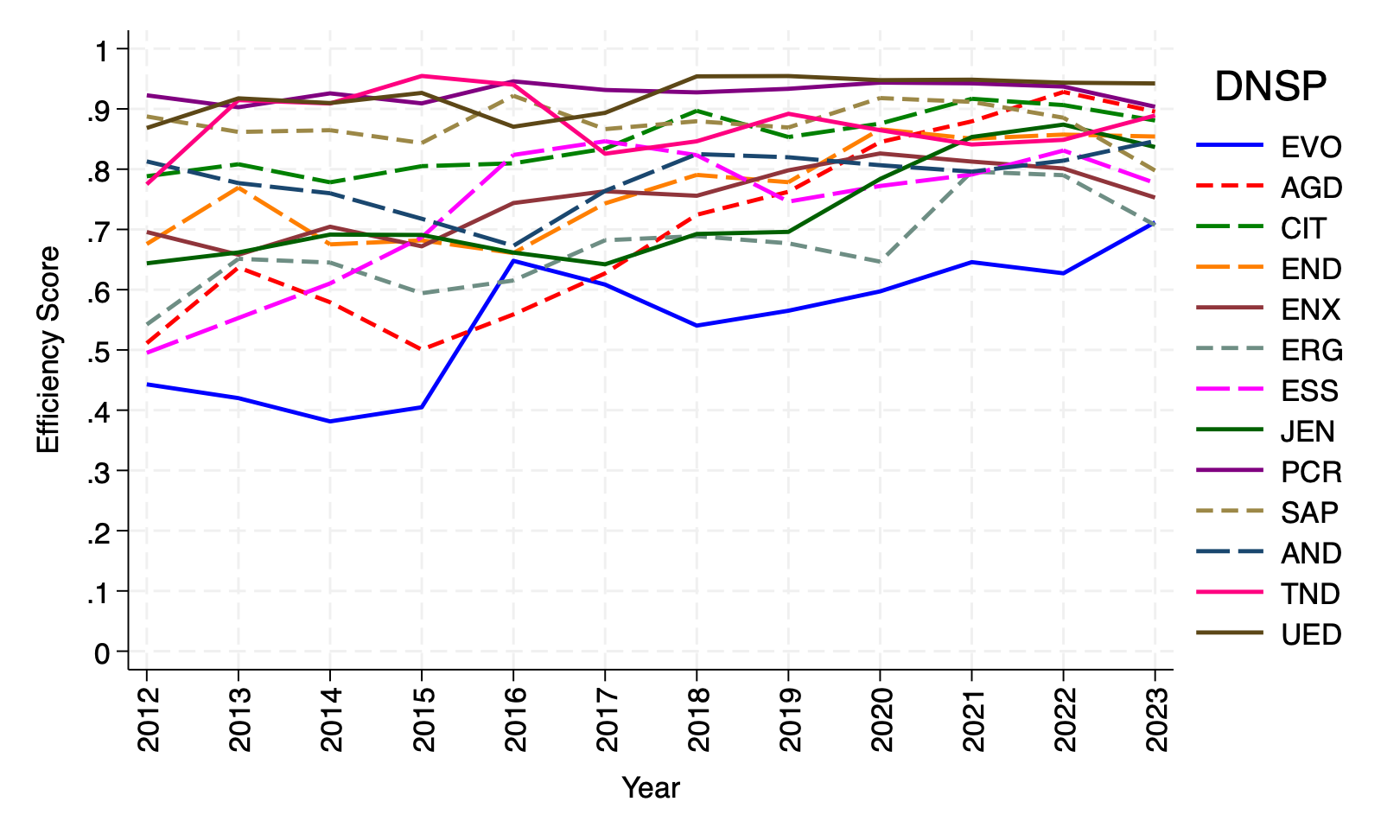
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.399 | 0.134 | 0.461 | 0.994 |
| 2.NZ | 0.399 | 0.134 | 0.461 | 0.994 |
| 3.Ontario | 0.399 | 0.134 | 0.461 | 0.994 |
| Total | 0.399 | 0.134 | 0.461 | 0.994 |

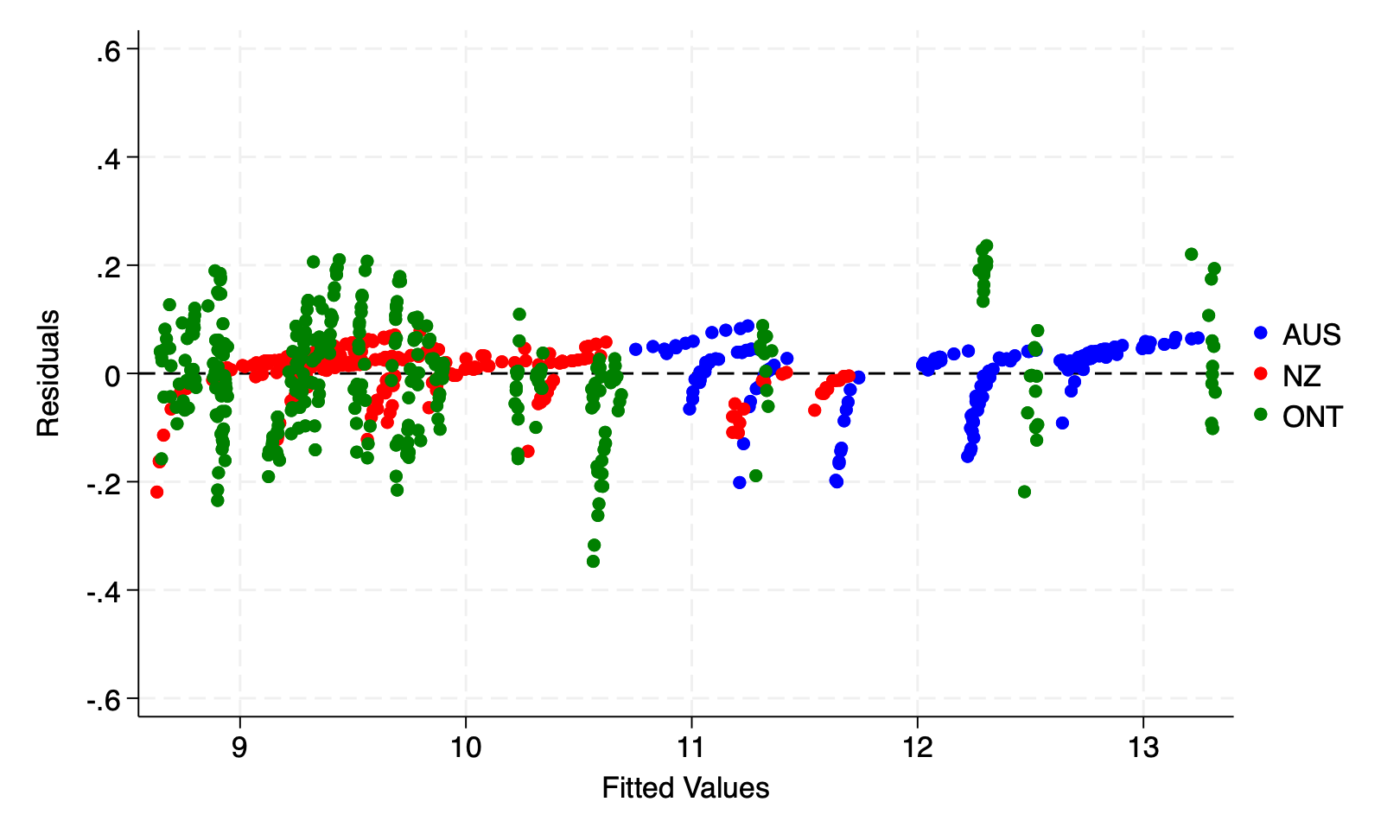
SFACD BC95-JTT-HN Efficiency Scores - short period

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| Country code |  |  |  |
| 1.Aust | 0.779 | 0.645 | 0.905 |
| 2.NZ | 0.706 | 0.580 | 0.833 |
| 3.Ontario | 0.962 | 0.878 | 0.999 |
| Total | 0.843 | 0.735 | 0.927 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| dnsp |  |  |  |
| 1 | 0.549 | 0.445 | 0.671 |
| 2 | 0.704 | 0.579 | 0.829 |
| 3 | 0.846 | 0.699 | 0.977 |
| 4 | 0.767 | 0.625 | 0.914 |
| 5 | 0.749 | 0.607 | 0.906 |
| 6 | 0.670 | 0.542 | 0.816 |
| 7 | 0.730 | 0.593 | 0.876 |
| 8 | 0.727 | 0.592 | 0.873 |
| 9 | 0.927 | 0.802 | 0.997 |
| 10 | 0.876 | 0.730 | 0.989 |
| 11 | 0.784 | 0.638 | 0.940 |
| 12 | 0.875 | 0.735 | 0.986 |
| 13 | 0.923 | 0.800 | 0.996 |
| Total | 0.779 | 0.645 | 0.905 |

SFACD BC95-JTT-HN Efficiency Scores - short period





SFATLG BC95-JTT-HN Elasticities - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.077 | 0.201 | 0.684 | 0.962 |
| 2.NZ | 0.655 | 0.174 | 0.069 | 0.898 |
| 3.Ontario | 0.389 | 0.121 | 0.455 | 0.965 |
| Total | 0.405 | 0.155 | 0.383 | 0.944 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.285 | 0.152 | 0.510 | 0.947 |
| 2 | -0.150 | 0.194 | 0.937 | 0.981 |
| 3 | 0.127 | 0.135 | 0.702 | 0.964 |
| 4 | -0.107 | 0.200 | 0.910 | 1.002 |
| 5 | -0.099 | 0.207 | 0.869 | 0.977 |
| 6 | -0.091 | 0.263 | 0.864 | 1.036 |
| 7 | 0.034 | 0.268 | 0.678 | 0.980 |
| 8 | 0.350 | 0.148 | 0.387 | 0.885 |
| 9 | 0.091 | 0.232 | 0.629 | 0.952 |
| 10 | -0.003 | 0.237 | 0.750 | 0.984 |
| 11 | 0.212 | 0.212 | 0.485 | 0.909 |
| 12 | 0.183 | 0.203 | 0.590 | 0.976 |
| 13 | 0.170 | 0.164 | 0.579 | 0.913 |
| Total | 0.077 | 0.201 | 0.684 | 0.962 |

SFATLG BC95-JTT-HN Monotonicity Violations - short period

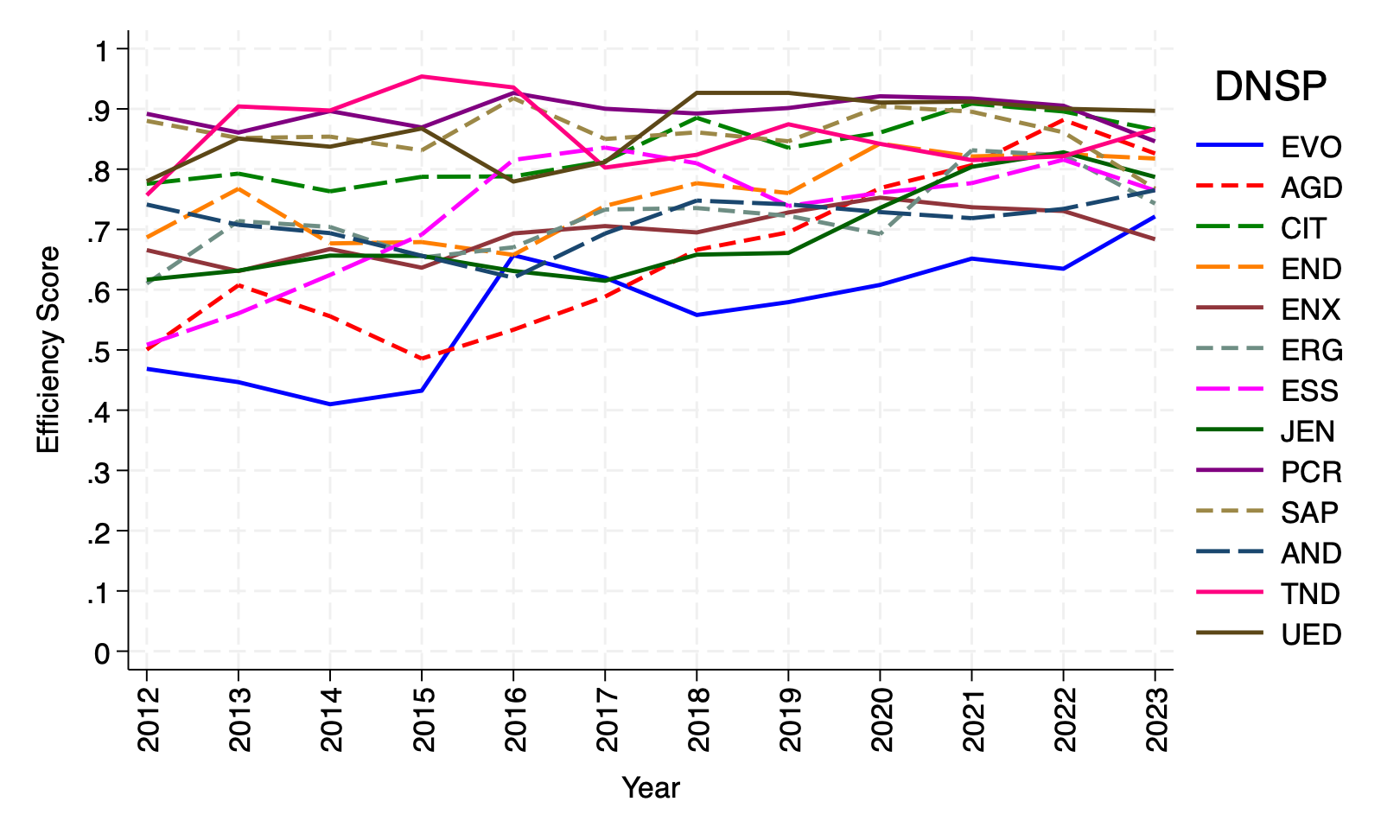
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 34.6 | 0.0 | 0.0 | 34.6 |
| 2.NZ | 0.0 | 0.0 | 36.4 | 36.4 |
| 3.Ontario | 10.3 | 0.0 | 0.0 | 10.3 |
| Total | 12.3 | 0.0 | 11.3 | 23.6 |

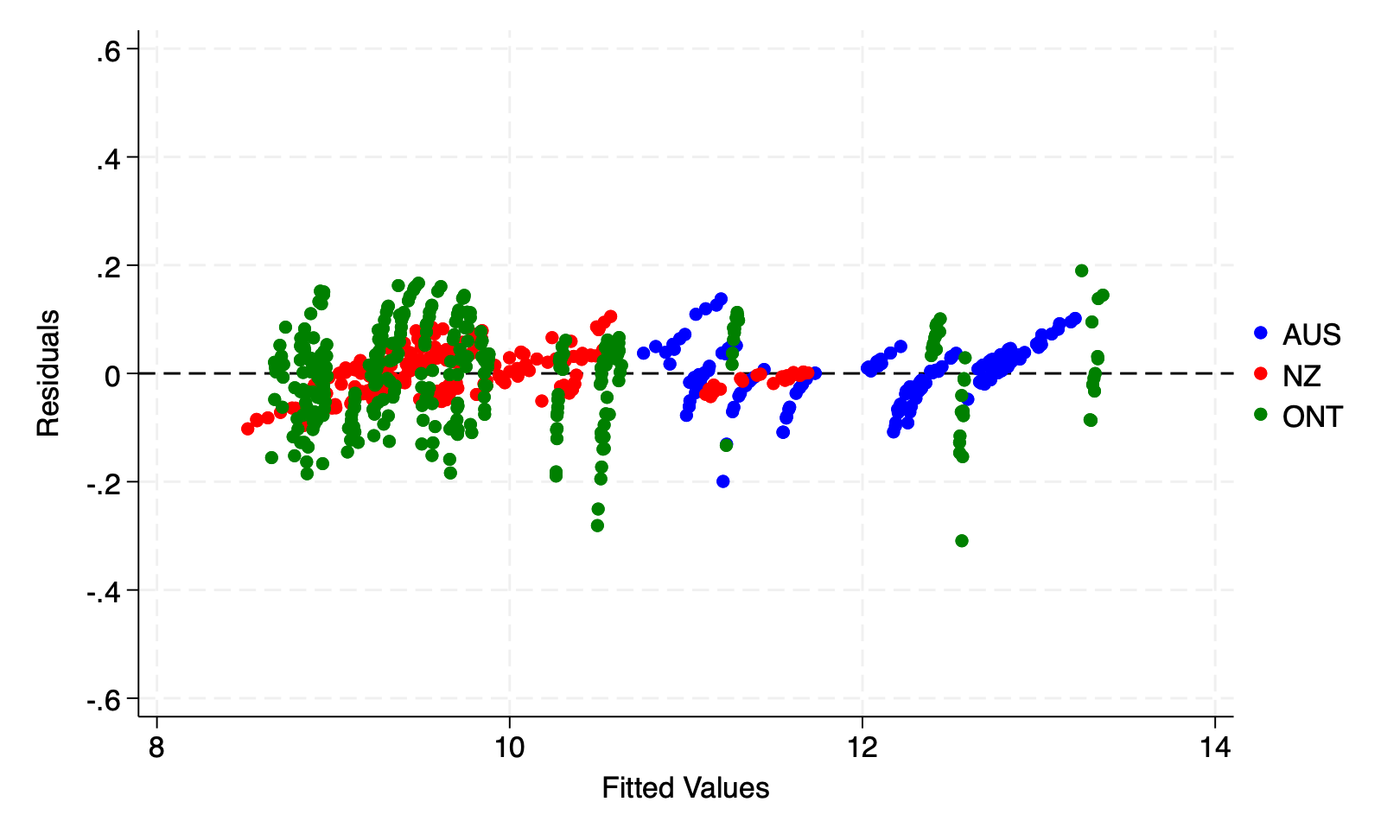
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 100.0 | 0.0 | 0.0 | 100.0 |
| 5 | 100.0 | 0.0 | 0.0 | 100.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 50.0 | 0.0 | 0.0 | 50.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 34.6 | 0.0 | 0.0 | 34.6 |

SFATLG BC95-JTT-HN Efficiency Scores - short period

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| Country code |  |  |  |
| 1.Aust | 0.756 | 0.638 | 0.877 |
| 2.NZ | 0.000 | 0.000 | 0.000 |
| 3.Ontario | 0.943 | 0.845 | 0.997 |
| Total | 0.610 | 0.538 | 0.661 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| dnsp |  |  |  |
| 1 | 0.566 | 0.473 | 0.671 |
| 2 | 0.660 | 0.553 | 0.775 |
| 3 | 0.831 | 0.702 | 0.958 |
| 4 | 0.754 | 0.632 | 0.889 |
| 5 | 0.694 | 0.581 | 0.822 |
| 6 | 0.719 | 0.603 | 0.850 |
| 7 | 0.725 | 0.608 | 0.855 |
| 8 | 0.690 | 0.578 | 0.816 |
| 9 | 0.894 | 0.766 | 0.991 |
| 10 | 0.860 | 0.729 | 0.978 |
| 11 | 0.712 | 0.596 | 0.844 |
| 12 | 0.858 | 0.732 | 0.971 |
| 13 | 0.867 | 0.739 | 0.975 |
| Total | 0.756 | 0.638 | 0.877 |





SFATLG BC95-JTT-HN Alternative Elasticities - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.603 | 0.155 | 0.679 | 0.231 |
| 2.NZ | 0.904 | 0.155 | 0.069 | 1.127 |
| 3.Ontario | 0.531 | 0.155 | 0.457 | 1.142 |
| Total | 0.405 | 0.155 | 0.383 | 0.944 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.044 | 0.155 | 0.509 | 0.708 |
| 2 | -1.202 | 0.155 | 0.932 | -0.116 |
| 3 | -0.334 | 0.155 | 0.702 | 0.523 |
| 4 | -0.950 | 0.155 | 0.905 | 0.109 |
| 5 | -1.083 | 0.155 | 0.863 | -0.066 |
| 6 | -0.788 | 0.155 | 0.856 | 0.222 |
| 7 | -0.730 | 0.155 | 0.669 | 0.093 |
| 8 | -0.115 | 0.155 | 0.386 | 0.426 |
| 9 | -0.660 | 0.155 | 0.622 | 0.117 |
| 10 | -0.780 | 0.155 | 0.743 | 0.118 |
| 11 | -0.507 | 0.155 | 0.479 | 0.127 |
| 12 | -0.182 | 0.155 | 0.586 | 0.558 |
| 13 | -0.545 | 0.155 | 0.576 | 0.186 |
| Total | -0.603 | 0.155 | 0.679 | 0.231 |

SFATLG BC95-JTT-HN Alternative Monotonicity Violations - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 93.6 | 0.0 | 0.0 | 93.6 |
| 2.NZ | 10.5 | 0.0 | 36.4 | 46.9 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 29.8 | 0.0 | 11.3 | 41.1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 16.7 | 0.0 | 0.0 | 16.7 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 100.0 | 0.0 | 0.0 | 100.0 |
| 4 | 100.0 | 0.0 | 0.0 | 100.0 |
| 5 | 100.0 | 0.0 | 0.0 | 100.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 100.0 | 0.0 | 0.0 | 100.0 |
| 8 | 100.0 | 0.0 | 0.0 | 100.0 |
| 9 | 100.0 | 0.0 | 0.0 | 100.0 |
| 10 | 100.0 | 0.0 | 0.0 | 100.0 |
| 11 | 100.0 | 0.0 | 0.0 | 100.0 |
| 12 | 100.0 | 0.0 | 0.0 | 100.0 |
| 13 | 100.0 | 0.0 | 0.0 | 100.0 |
| Total | 93.6 | 0.0 | 0.0 | 93.6 |