Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

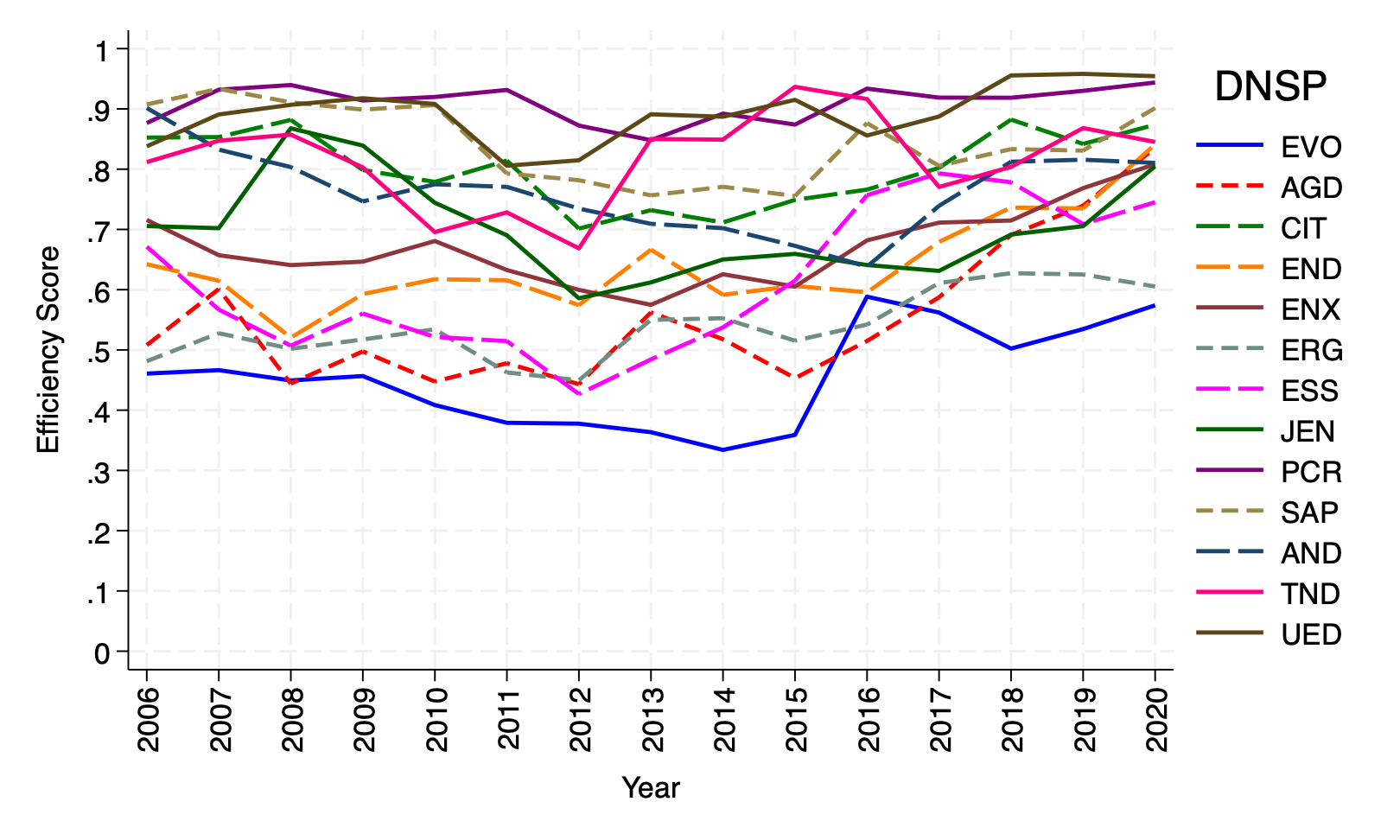
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.531 | 0.092 | 0.370 | 0.993 |
| 2.NZ | 0.531 | 0.092 | 0.370 | 0.993 |
| 3.Ontario | 0.531 | 0.092 | 0.370 | 0.993 |
| Total | 0.531 | 0.092 | 0.370 | 0.993 |

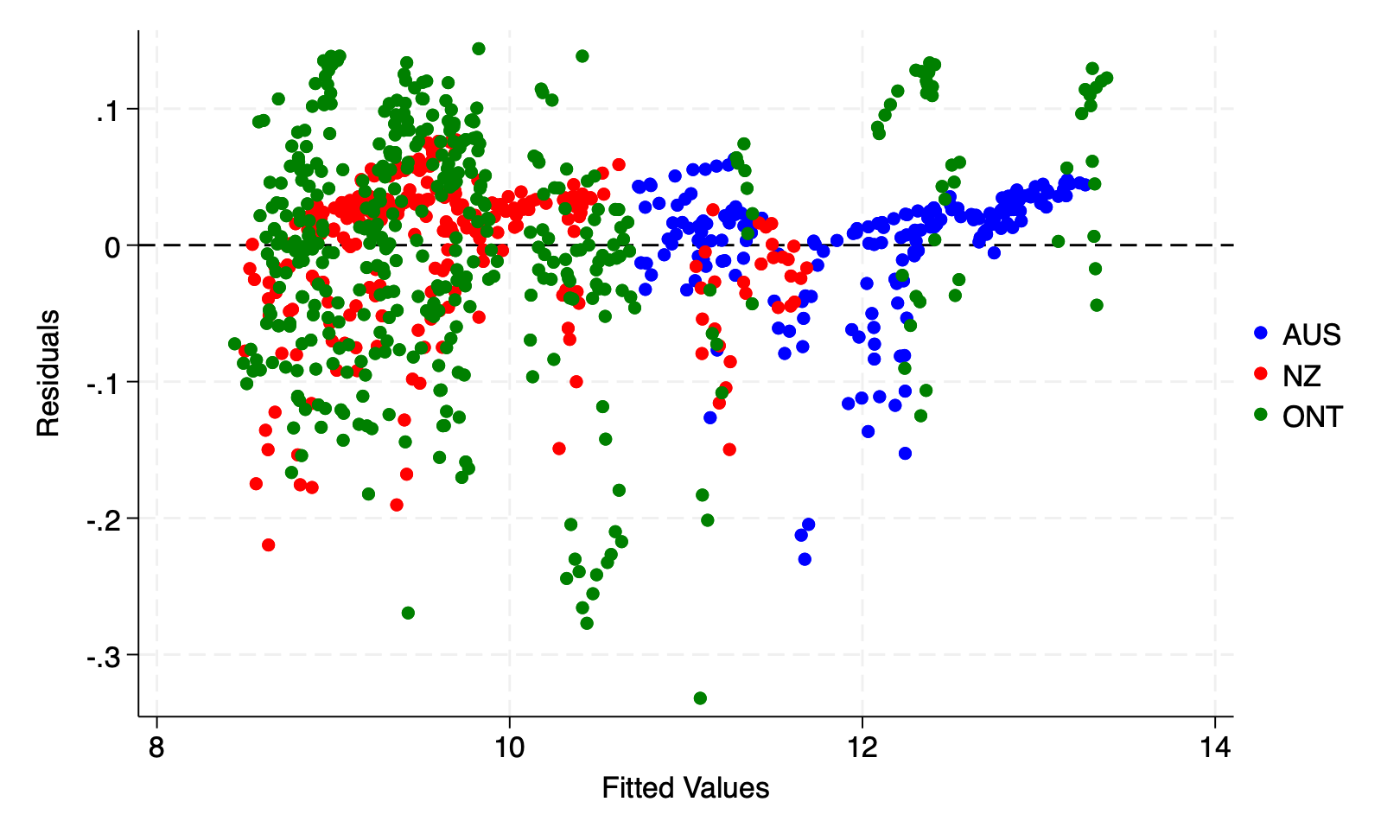
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.708 | 0.584 | 0.834 |
| 2.NZ | 0.765 | 0.634 | 0.888 |
| 3.Ontario | 0.916 | 0.795 | 0.991 |
| Total | 0.825 | 0.700 | 0.926 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.454 | 0.369 | 0.554 |
| 2 | 0.555 | 0.451 | 0.673 |
| 3 | 0.803 | 0.658 | 0.947 |
| 4 | 0.642 | 0.521 | 0.779 |
| 5 | 0.671 | 0.545 | 0.816 |
| 6 | 0.540 | 0.438 | 0.659 |
| 7 | 0.613 | 0.497 | 0.745 |
| 8 | 0.702 | 0.571 | 0.847 |
| 9 | 0.910 | 0.777 | 0.995 |
| 10 | 0.844 | 0.702 | 0.970 |
| 11 | 0.764 | 0.624 | 0.915 |
| 12 | 0.817 | 0.674 | 0.952 |
| 13 | 0.892 | 0.758 | 0.990 |
| Total | 0.708 | 0.584 | 0.834 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.259 | 0.147 | 0.592 | 0.998 |
| 2.NZ | 0.747 | 0.056 | 0.148 | 0.952 |
| 3.Ontario | 0.415 | 0.072 | 0.486 | 0.973 |
| Total | 0.485 | 0.083 | 0.404 | 0.972 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.426 | 0.098 | 0.439 | 0.963 |
| 2 | 0.069 | 0.179 | 0.752 | 1.000 |
| 3 | 0.254 | 0.119 | 0.593 | 0.966 |
| 4 | 0.073 | 0.167 | 0.781 | 1.021 |
| 5 | 0.121 | 0.174 | 0.711 | 1.005 |
| 6 | 0.070 | 0.176 | 0.838 | 1.083 |
| 7 | 0.265 | 0.168 | 0.607 | 1.040 |
| 8 | 0.509 | 0.105 | 0.310 | 0.923 |
| 9 | 0.291 | 0.155 | 0.563 | 1.009 |
| 10 | 0.190 | 0.166 | 0.675 | 1.031 |
| 11 | 0.427 | 0.140 | 0.402 | 0.968 |
| 12 | 0.298 | 0.127 | 0.592 | 1.017 |
| 13 | 0.372 | 0.132 | 0.439 | 0.942 |
| Total | 0.259 | 0.147 | 0.592 | 0.998 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

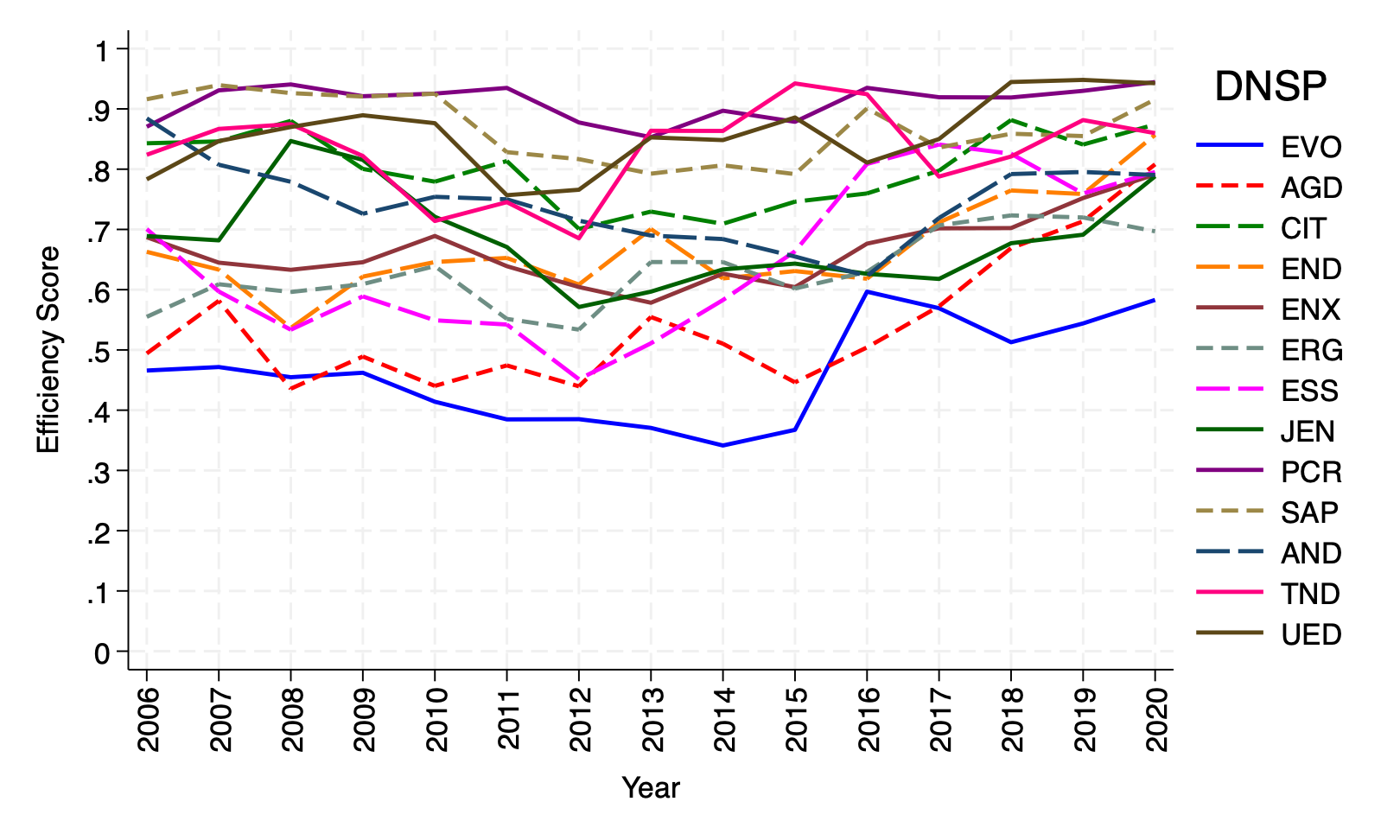
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.NZ | 0.0 | 0.0 | 28.4 | 28.4 |
| 3.Ontario | 8.7 | 0.0 | 0.0 | 8.7 |
| Total | 4.2 | 0.0 | 8.9 | 13.0 |

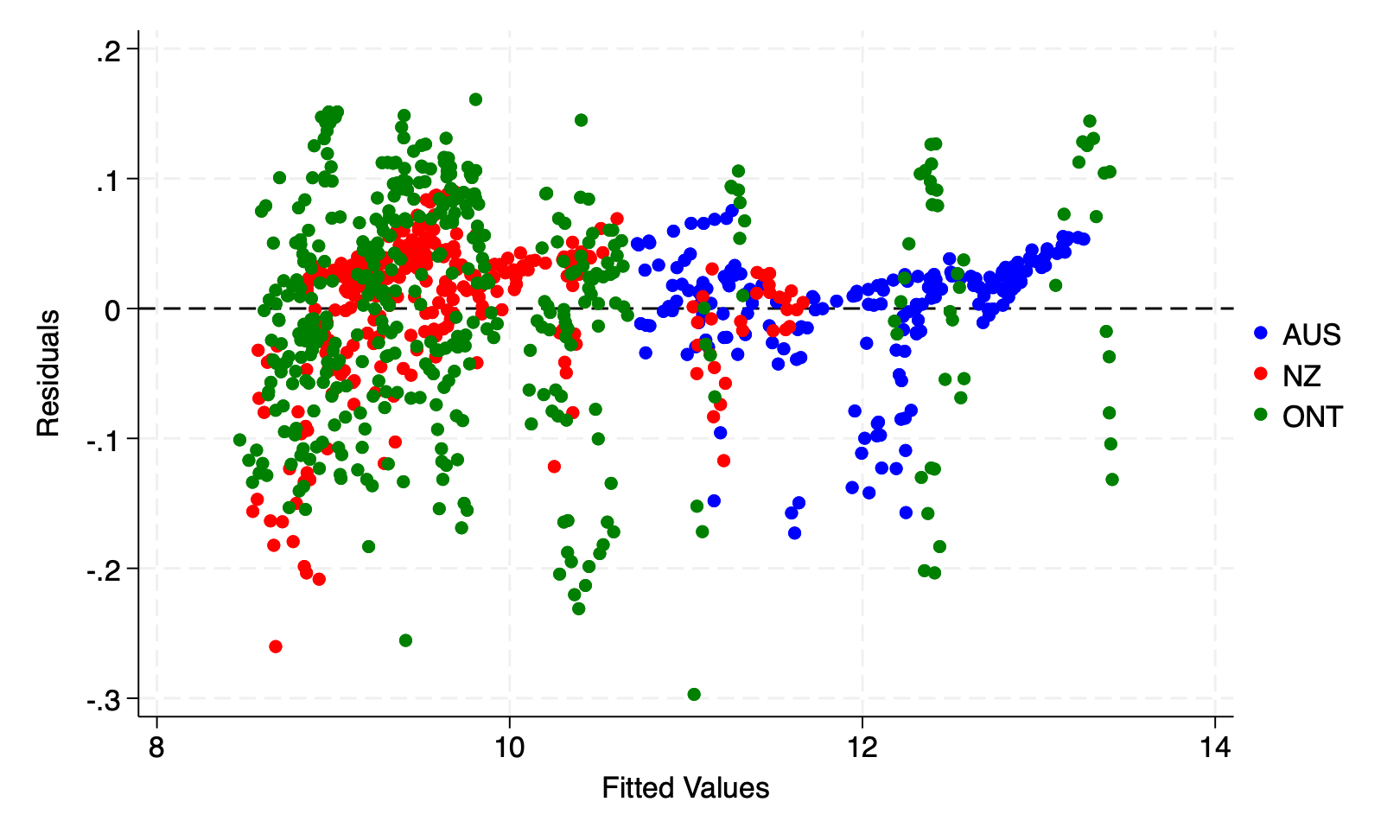
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 | 0.0 | 0.0 | 0.0 | 0.0 |

SFATLG BC95-JTT-HN Efficiency Scores - long 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 | 0.717 | 0.592 | 0.843 |
| 2.NZ | 0.776 | 0.645 | 0.899 |
| 3.Ontario | 0.923 | 0.807 | 0.993 |
| Total | 0.833 | 0.711 | 0.932 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.462 | 0.376 | 0.560 |
| 2 | 0.542 | 0.442 | 0.657 |
| 3 | 0.800 | 0.658 | 0.944 |
| 4 | 0.668 | 0.545 | 0.807 |
| 5 | 0.665 | 0.542 | 0.807 |
| 6 | 0.631 | 0.514 | 0.766 |
| 7 | 0.650 | 0.531 | 0.782 |
| 8 | 0.685 | 0.559 | 0.826 |
| 9 | 0.912 | 0.782 | 0.995 |
| 10 | 0.869 | 0.730 | 0.982 |
| 11 | 0.744 | 0.609 | 0.894 |
| 12 | 0.832 | 0.691 | 0.959 |
| 13 | 0.858 | 0.720 | 0.976 |
| Total | 0.717 | 0.592 | 0.843 |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.694 | 0.083 | 0.497 | -0.114 |
| 2.NZ | 1.088 | 0.083 | 0.140 | 1.310 |
| 3.Ontario | 0.619 | 0.083 | 0.535 | 1.236 |
| Total | 0.485 | 0.083 | 0.404 | 0.972 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.118 | 0.083 | 0.429 | 0.630 |
| 2 | -1.414 | 0.083 | 0.644 | -0.688 |
| 3 | -0.385 | 0.083 | 0.591 | 0.288 |
| 4 | -1.103 | 0.083 | 0.680 | -0.341 |
| 5 | -1.255 | 0.083 | 0.592 | -0.581 |
| 6 | -0.922 | 0.083 | 0.667 | -0.172 |
| 7 | -0.829 | 0.083 | 0.426 | -0.321 |
| 8 | -0.128 | 0.083 | 0.291 | 0.246 |
| 9 | -0.757 | 0.083 | 0.427 | -0.247 |
| 10 | -0.913 | 0.083 | 0.530 | -0.300 |
| 11 | -0.575 | 0.083 | 0.290 | -0.202 |
| 12 | -0.225 | 0.083 | 0.513 | 0.371 |
| 13 | -0.633 | 0.083 | 0.385 | -0.165 |
| Total | -0.694 | 0.083 | 0.497 | -0.114 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 92.3 | 0.0 | 0.0 | 92.3 |
| 2.NZ | 9.8 | 0.0 | 26.3 | 36.1 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 29.3 | 0.0 | 8.2 | 37.5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 | 92.3 | 0.0 | 0.0 | 92.3 |