Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

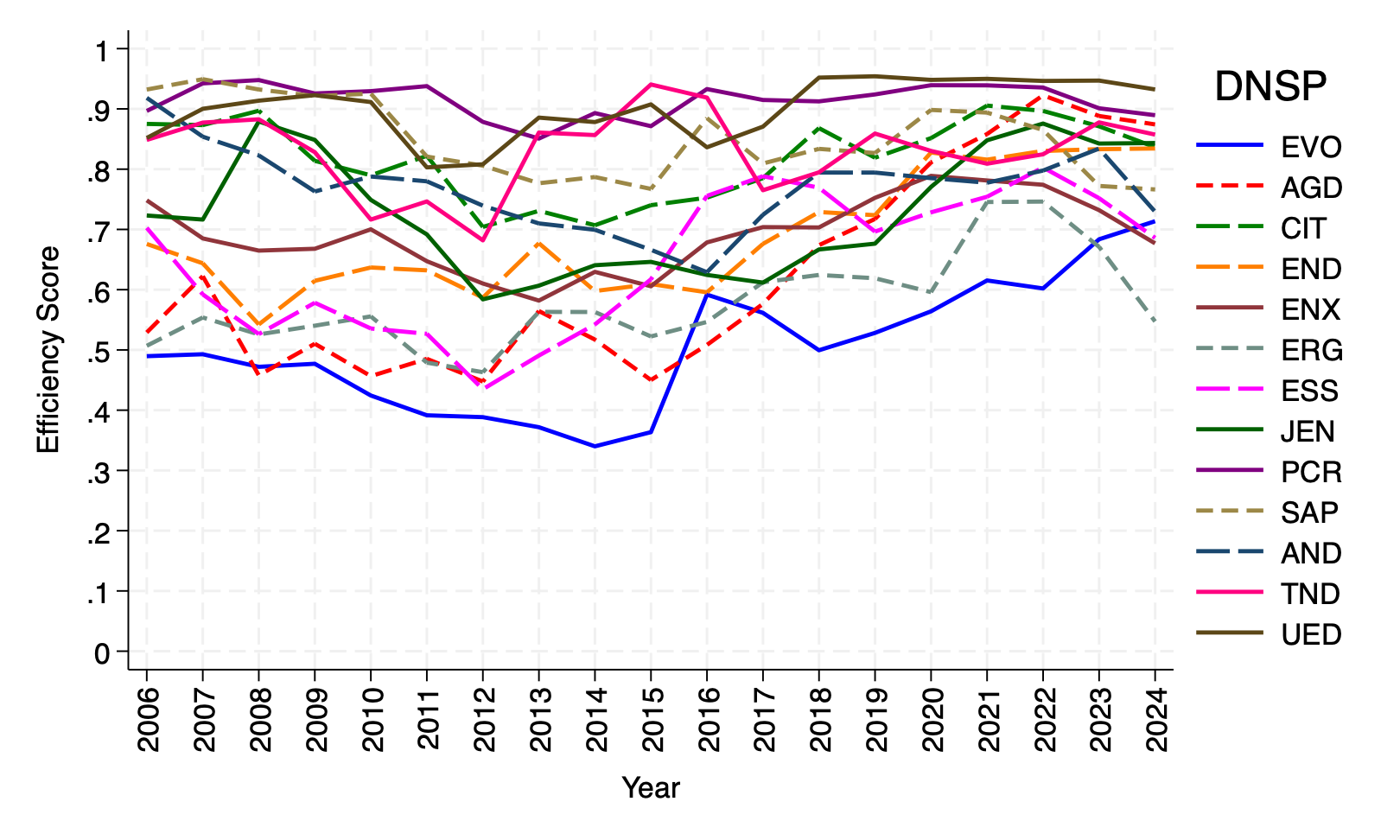
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.486 | 0.118 | 0.386 | 0.990 |
| 2.NZ | 0.486 | 0.118 | 0.386 | 0.990 |
| 3.Ontario | 0.486 | 0.118 | 0.386 | 0.990 |
| Total | 0.486 | 0.118 | 0.386 | 0.990 |

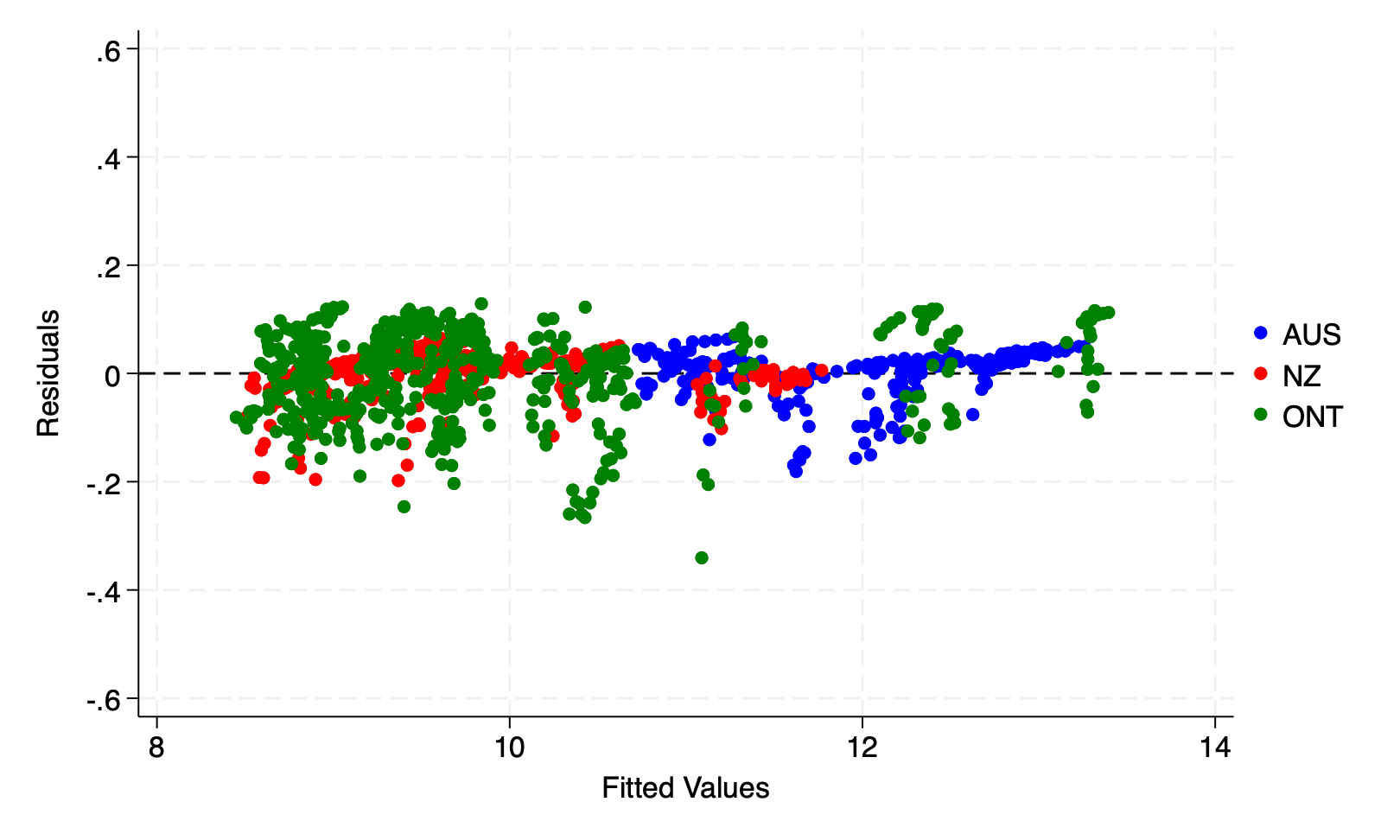
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.734 | 0.611 | 0.856 |
| 2.NZ | 0.727 | 0.605 | 0.848 |
| 3.Ontario | 0.911 | 0.792 | 0.989 |
| Total | 0.816 | 0.695 | 0.917 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.504 | 0.413 | 0.609 |
| 2 | 0.625 | 0.516 | 0.738 |
| 3 | 0.818 | 0.678 | 0.952 |
| 4 | 0.689 | 0.565 | 0.825 |
| 5 | 0.691 | 0.566 | 0.834 |
| 6 | 0.578 | 0.473 | 0.698 |
| 7 | 0.646 | 0.530 | 0.779 |
| 8 | 0.729 | 0.600 | 0.865 |
| 9 | 0.914 | 0.786 | 0.995 |
| 10 | 0.851 | 0.715 | 0.971 |
| 11 | 0.769 | 0.633 | 0.914 |
| 12 | 0.830 | 0.691 | 0.960 |
| 13 | 0.901 | 0.774 | 0.990 |
| Total | 0.734 | 0.611 | 0.856 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.191 | 0.173 | 0.622 | 0.985 |
| 2.NZ | 0.701 | 0.085 | 0.159 | 0.945 |
| 3.Ontario | 0.389 | 0.099 | 0.483 | 0.970 |
| Total | 0.444 | 0.110 | 0.412 | 0.966 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.337 | 0.132 | 0.492 | 0.960 |
| 2 | -0.029 | 0.209 | 0.807 | 0.987 |
| 3 | 0.160 | 0.154 | 0.646 | 0.961 |
| 4 | 0.022 | 0.189 | 0.798 | 1.009 |
| 5 | 0.034 | 0.201 | 0.757 | 0.992 |
| 6 | 0.111 | 0.175 | 0.782 | 1.068 |
| 7 | 0.239 | 0.179 | 0.606 | 1.024 |
| 8 | 0.370 | 0.151 | 0.391 | 0.912 |
| 9 | 0.237 | 0.178 | 0.578 | 0.992 |
| 10 | 0.159 | 0.182 | 0.675 | 1.016 |
| 11 | 0.321 | 0.174 | 0.458 | 0.953 |
| 12 | 0.286 | 0.144 | 0.575 | 1.006 |
| 13 | 0.232 | 0.175 | 0.523 | 0.931 |
| Total | 0.191 | 0.173 | 0.622 | 0.985 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

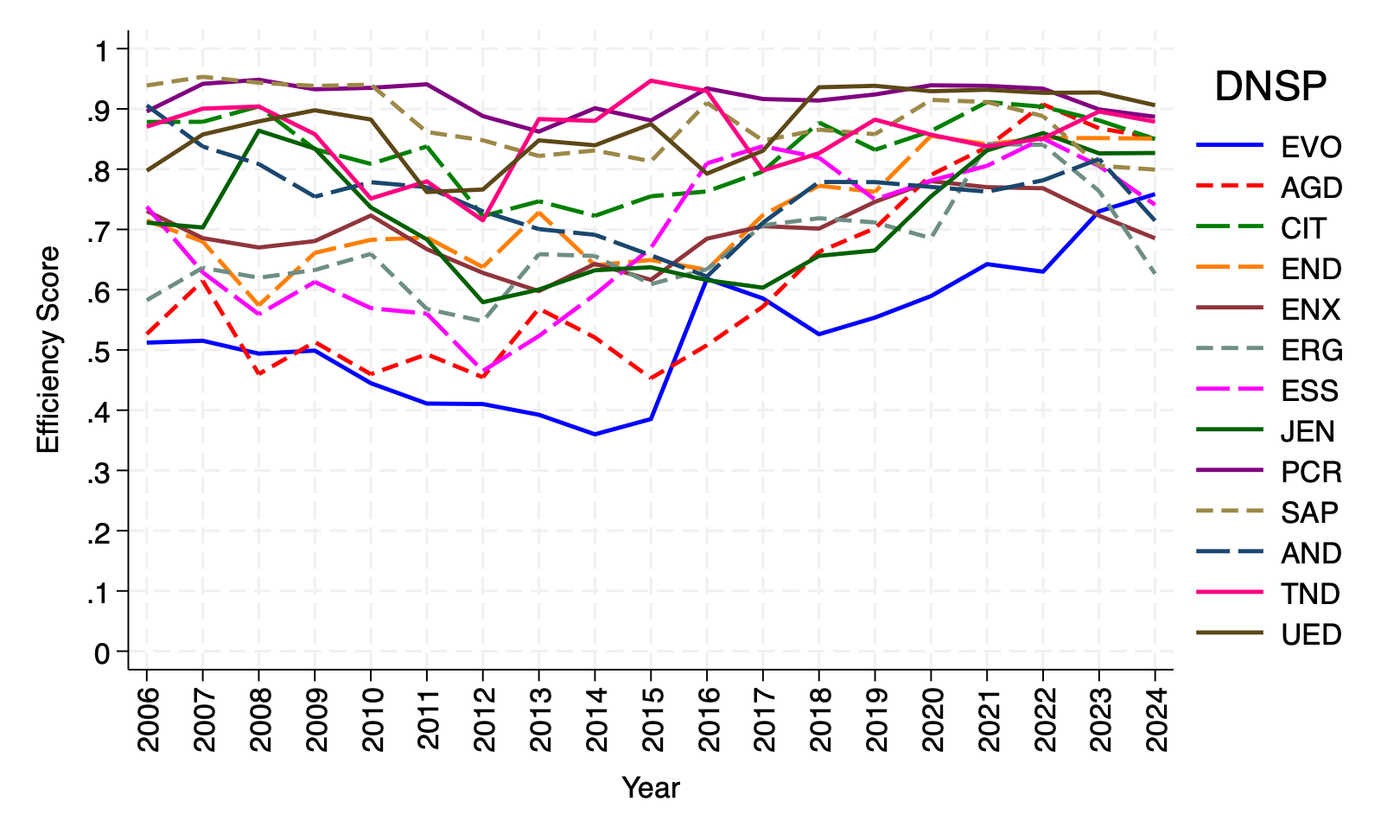
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 8.1 | 0.0 | 0.0 | 8.1 |
| 2.NZ | 0.0 | 0.0 | 26.9 | 26.9 |
| 3.Ontario | 9.1 | 0.0 | 0.0 | 9.1 |
| Total | 6.0 | 0.0 | 8.4 | 14.4 |

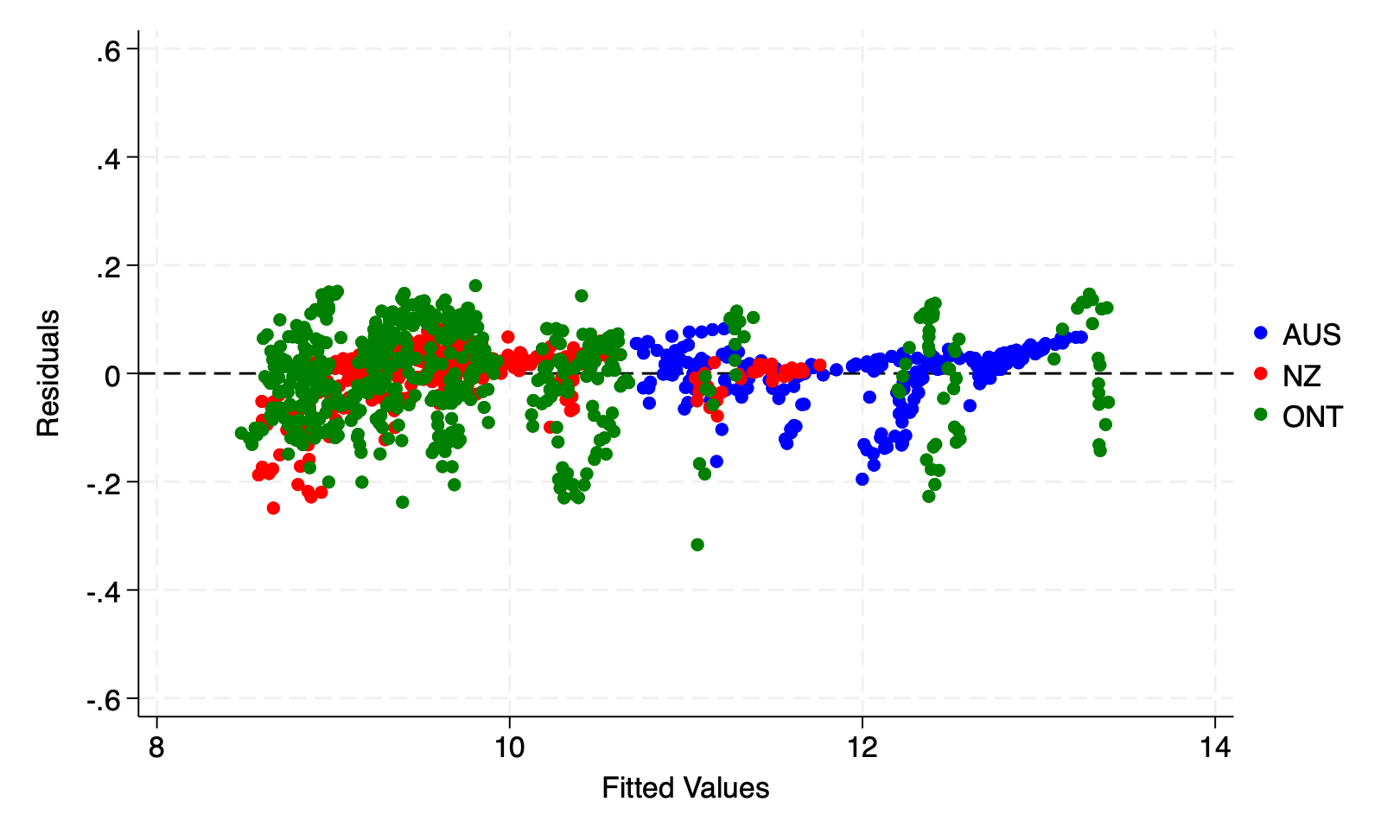
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 5.3 | 0.0 | 0.0 | 5.3 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 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 | 8.1 | 0.0 | 0.0 | 8.1 |

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 | 0.750 | 0.622 | 0.876 |
| 2.NZ | 0.744 | 0.616 | 0.871 |
| 3.Ontario | 0.921 | 0.804 | 0.993 |
| Total | 0.829 | 0.707 | 0.930 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.529 | 0.432 | 0.642 |
| 2 | 0.619 | 0.508 | 0.737 |
| 3 | 0.830 | 0.687 | 0.961 |
| 4 | 0.726 | 0.595 | 0.868 |
| 5 | 0.695 | 0.567 | 0.842 |
| 6 | 0.668 | 0.546 | 0.807 |
| 7 | 0.690 | 0.565 | 0.829 |
| 8 | 0.717 | 0.587 | 0.857 |
| 9 | 0.916 | 0.789 | 0.996 |
| 10 | 0.878 | 0.743 | 0.986 |
| 11 | 0.756 | 0.620 | 0.906 |
| 12 | 0.855 | 0.714 | 0.974 |
| 13 | 0.870 | 0.733 | 0.980 |
| Total | 0.750 | 0.622 | 0.876 |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.438 | 0.110 | 0.606 | 0.278 |
| 2.NZ | 0.889 | 0.110 | 0.157 | 1.156 |
| 3.Ontario | 0.548 | 0.110 | 0.491 | 1.149 |
| Total | 0.444 | 0.110 | 0.412 | 0.966 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.144 | 0.110 | 0.490 | 0.744 |
| 2 | -0.970 | 0.110 | 0.788 | -0.072 |
| 3 | -0.206 | 0.110 | 0.646 | 0.550 |
| 4 | -0.742 | 0.110 | 0.780 | 0.148 |
| 5 | -0.859 | 0.110 | 0.736 | -0.013 |
| 6 | -0.603 | 0.110 | 0.752 | 0.259 |
| 7 | -0.543 | 0.110 | 0.574 | 0.142 |
| 8 | -0.014 | 0.110 | 0.388 | 0.484 |
| 9 | -0.485 | 0.110 | 0.554 | 0.179 |
| 10 | -0.596 | 0.110 | 0.650 | 0.163 |
| 11 | -0.352 | 0.110 | 0.438 | 0.196 |
| 12 | -0.080 | 0.110 | 0.562 | 0.592 |
| 13 | -0.388 | 0.110 | 0.514 | 0.236 |
| Total | -0.438 | 0.110 | 0.606 | 0.278 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 91.9 | 0.0 | 0.0 | 91.9 |
| 2.NZ | 7.8 | 0.0 | 26.3 | 34.1 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 28.6 | 0.0 | 8.2 | 36.8 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 10.5 | 0.0 | 0.0 | 10.5 |
| 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 | 84.2 | 0.0 | 0.0 | 84.2 |
| 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 | 91.9 | 0.0 | 0.0 | 91.9 |