Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

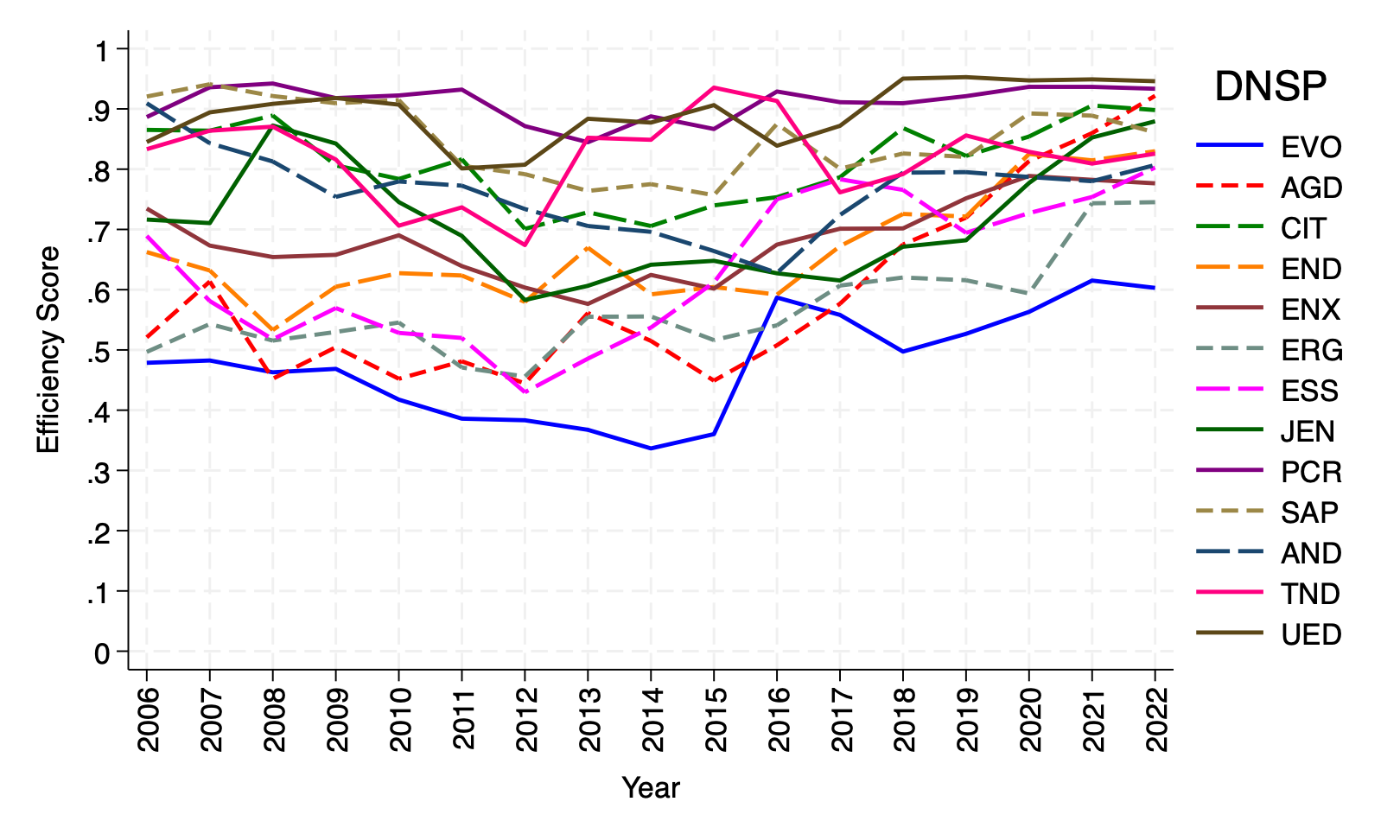
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.503 | 0.106 | 0.381 | 0.991 |
| 2.NZ | 0.503 | 0.106 | 0.381 | 0.991 |
| 3.Ontario | 0.503 | 0.106 | 0.381 | 0.991 |
| Total | 0.503 | 0.106 | 0.381 | 0.991 |

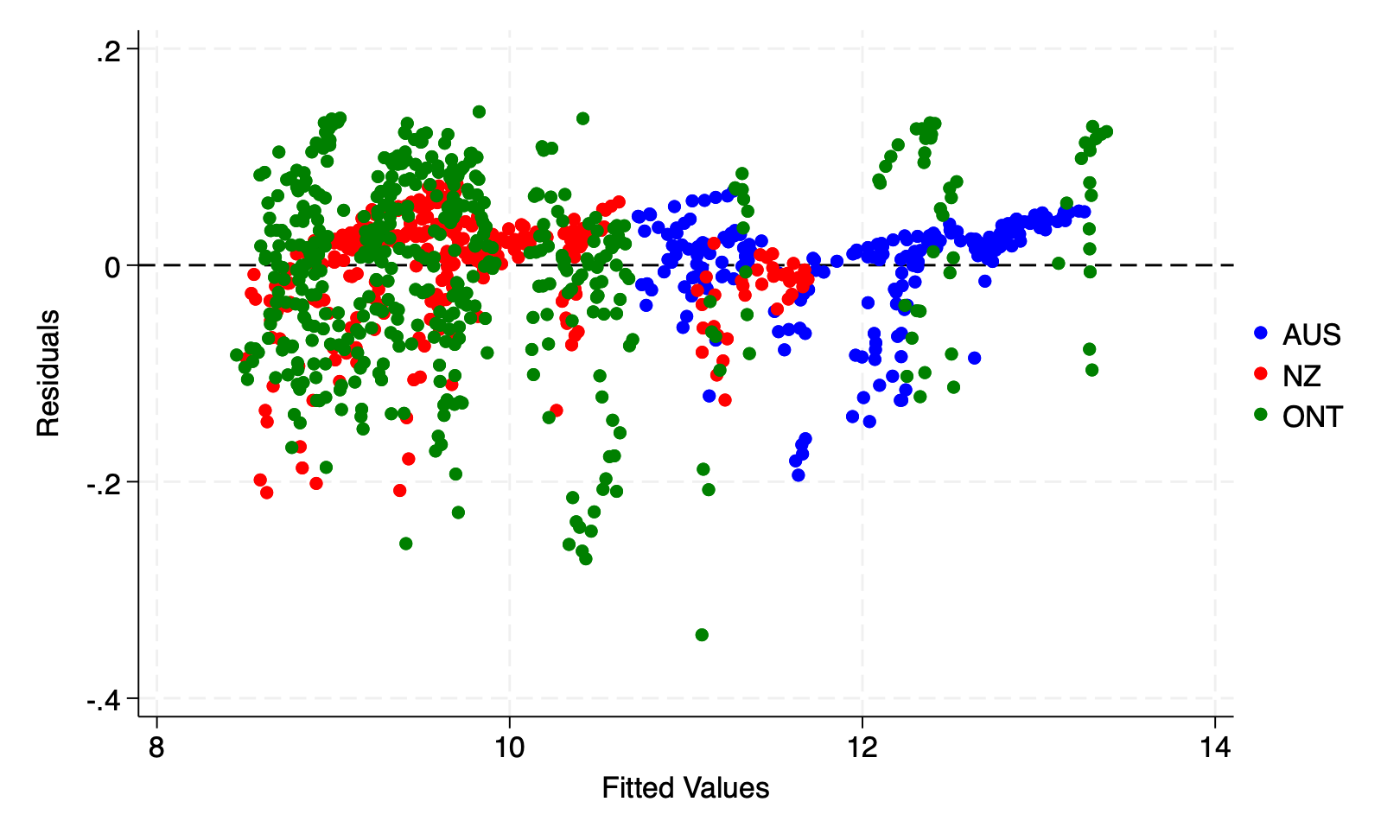
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.722 | 0.595 | 0.848 |
| 2.NZ | 0.749 | 0.620 | 0.874 |
| 3.Ontario | 0.914 | 0.792 | 0.991 |
| Total | 0.821 | 0.696 | 0.924 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.476 | 0.386 | 0.580 |
| 2 | 0.592 | 0.484 | 0.709 |
| 3 | 0.811 | 0.667 | 0.950 |
| 4 | 0.665 | 0.541 | 0.805 |
| 5 | 0.684 | 0.556 | 0.832 |
| 6 | 0.568 | 0.461 | 0.692 |
| 7 | 0.632 | 0.514 | 0.768 |
| 8 | 0.715 | 0.584 | 0.856 |
| 9 | 0.911 | 0.779 | 0.995 |
| 10 | 0.851 | 0.709 | 0.974 |
| 11 | 0.764 | 0.624 | 0.915 |
| 12 | 0.819 | 0.675 | 0.956 |
| 13 | 0.894 | 0.762 | 0.990 |
| Total | 0.722 | 0.595 | 0.848 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.199 | 0.159 | 0.630 | 0.988 |
| 2.NZ | 0.721 | 0.064 | 0.163 | 0.948 |
| 3.Ontario | 0.389 | 0.089 | 0.494 | 0.973 |
| Total | 0.452 | 0.096 | 0.420 | 0.968 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.359 | 0.119 | 0.481 | 0.959 |
| 2 | -0.025 | 0.200 | 0.813 | 0.988 |
| 3 | 0.166 | 0.148 | 0.647 | 0.961 |
| 4 | 0.021 | 0.179 | 0.812 | 1.012 |
| 5 | 0.042 | 0.190 | 0.762 | 0.993 |
| 6 | 0.106 | 0.156 | 0.811 | 1.073 |
| 7 | 0.251 | 0.158 | 0.619 | 1.028 |
| 8 | 0.388 | 0.139 | 0.385 | 0.913 |
| 9 | 0.246 | 0.160 | 0.591 | 0.996 |
| 10 | 0.163 | 0.165 | 0.691 | 1.019 |
| 11 | 0.339 | 0.156 | 0.460 | 0.955 |
| 12 | 0.288 | 0.128 | 0.593 | 1.009 |
| 13 | 0.248 | 0.165 | 0.519 | 0.931 |
| Total | 0.199 | 0.159 | 0.630 | 0.988 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

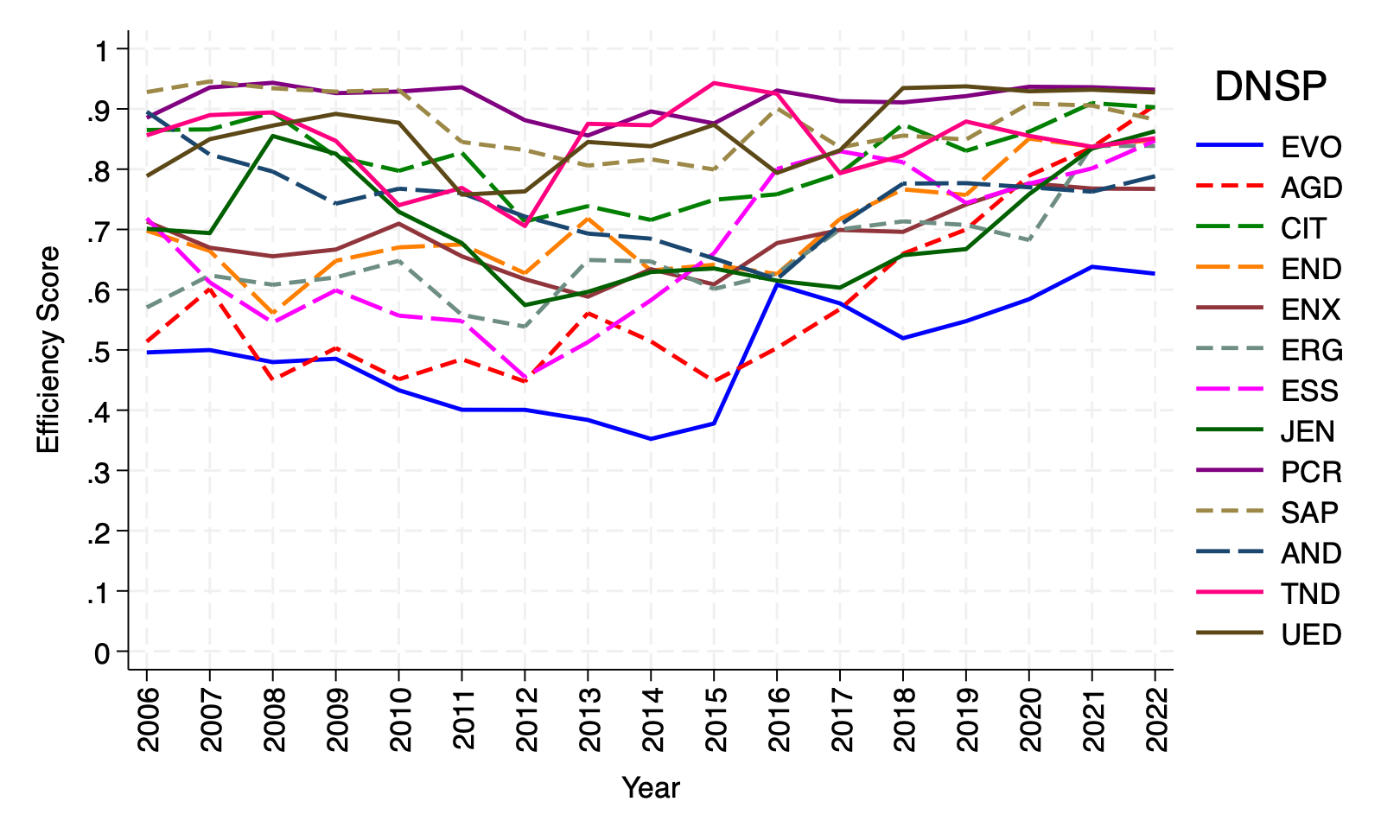
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 8.1 | 0.0 | 0.0 | 8.1 |
| 2.NZ | 0.0 | 0.0 | 26.6 | 26.6 |
| 3.Ontario | 8.9 | 0.0 | 0.0 | 8.9 |
| Total | 6.0 | 0.0 | 8.3 | 14.3 |

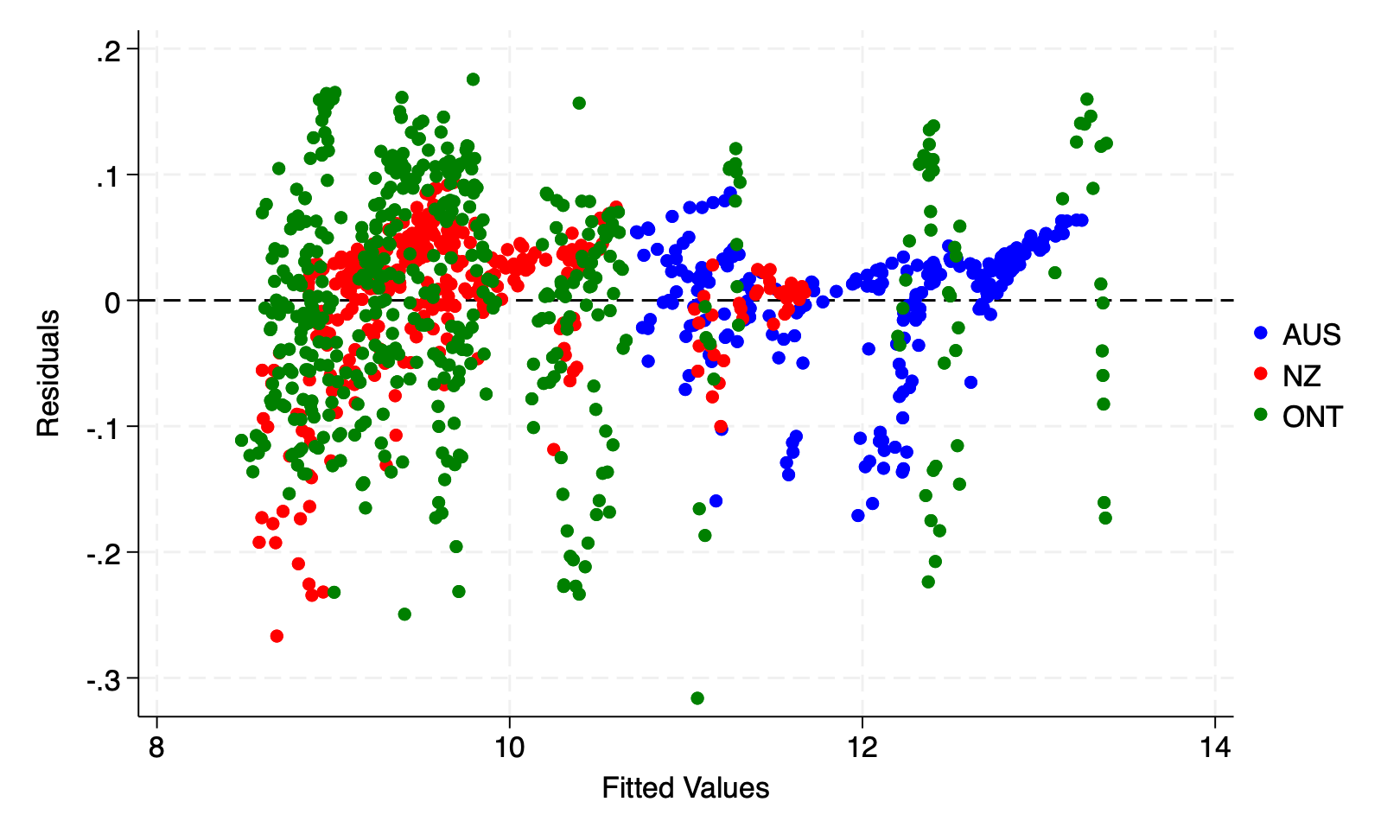
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 5.9 | 0.0 | 0.0 | 5.9 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 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 | 0.735 | 0.605 | 0.864 |
| 2.NZ | 0.767 | 0.634 | 0.895 |
| 3.Ontario | 0.925 | 0.807 | 0.994 |
| Total | 0.835 | 0.710 | 0.936 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.495 | 0.401 | 0.604 |
| 2 | 0.585 | 0.476 | 0.704 |
| 3 | 0.819 | 0.673 | 0.956 |
| 4 | 0.702 | 0.570 | 0.849 |
| 5 | 0.685 | 0.555 | 0.835 |
| 6 | 0.657 | 0.533 | 0.798 |
| 7 | 0.671 | 0.544 | 0.810 |
| 8 | 0.701 | 0.570 | 0.844 |
| 9 | 0.914 | 0.783 | 0.995 |
| 10 | 0.877 | 0.736 | 0.987 |
| 11 | 0.749 | 0.609 | 0.903 |
| 12 | 0.845 | 0.700 | 0.971 |
| 13 | 0.861 | 0.720 | 0.978 |
| Total | 0.735 | 0.605 | 0.864 |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.497 | 0.096 | 0.596 | 0.194 |
| 2.NZ | 0.934 | 0.096 | 0.160 | 1.190 |
| 3.Ontario | 0.562 | 0.096 | 0.512 | 1.170 |
| Total | 0.452 | 0.096 | 0.420 | 0.968 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.147 | 0.096 | 0.477 | 0.720 |
| 2 | -1.074 | 0.096 | 0.774 | -0.204 |
| 3 | -0.249 | 0.096 | 0.647 | 0.494 |
| 4 | -0.826 | 0.096 | 0.776 | 0.045 |
| 5 | -0.949 | 0.096 | 0.719 | -0.134 |
| 6 | -0.679 | 0.096 | 0.751 | 0.168 |
| 7 | -0.609 | 0.096 | 0.554 | 0.041 |
| 8 | -0.041 | 0.096 | 0.378 | 0.434 |
| 9 | -0.549 | 0.096 | 0.542 | 0.089 |
| 10 | -0.671 | 0.096 | 0.640 | 0.064 |
| 11 | -0.404 | 0.096 | 0.420 | 0.112 |
| 12 | -0.116 | 0.096 | 0.565 | 0.545 |
| 13 | -0.446 | 0.096 | 0.500 | 0.150 |
| Total | -0.497 | 0.096 | 0.596 | 0.194 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 91.4 | 0.0 | 0.0 | 91.4 |
| 2.NZ | 8.7 | 0.0 | 25.7 | 34.4 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 28.7 | 0.0 | 8.0 | 36.7 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 | 88.2 | 0.0 | 0.0 | 88.2 |
| 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 | 91.4 | 0.0 | 0.0 | 91.4 |