Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

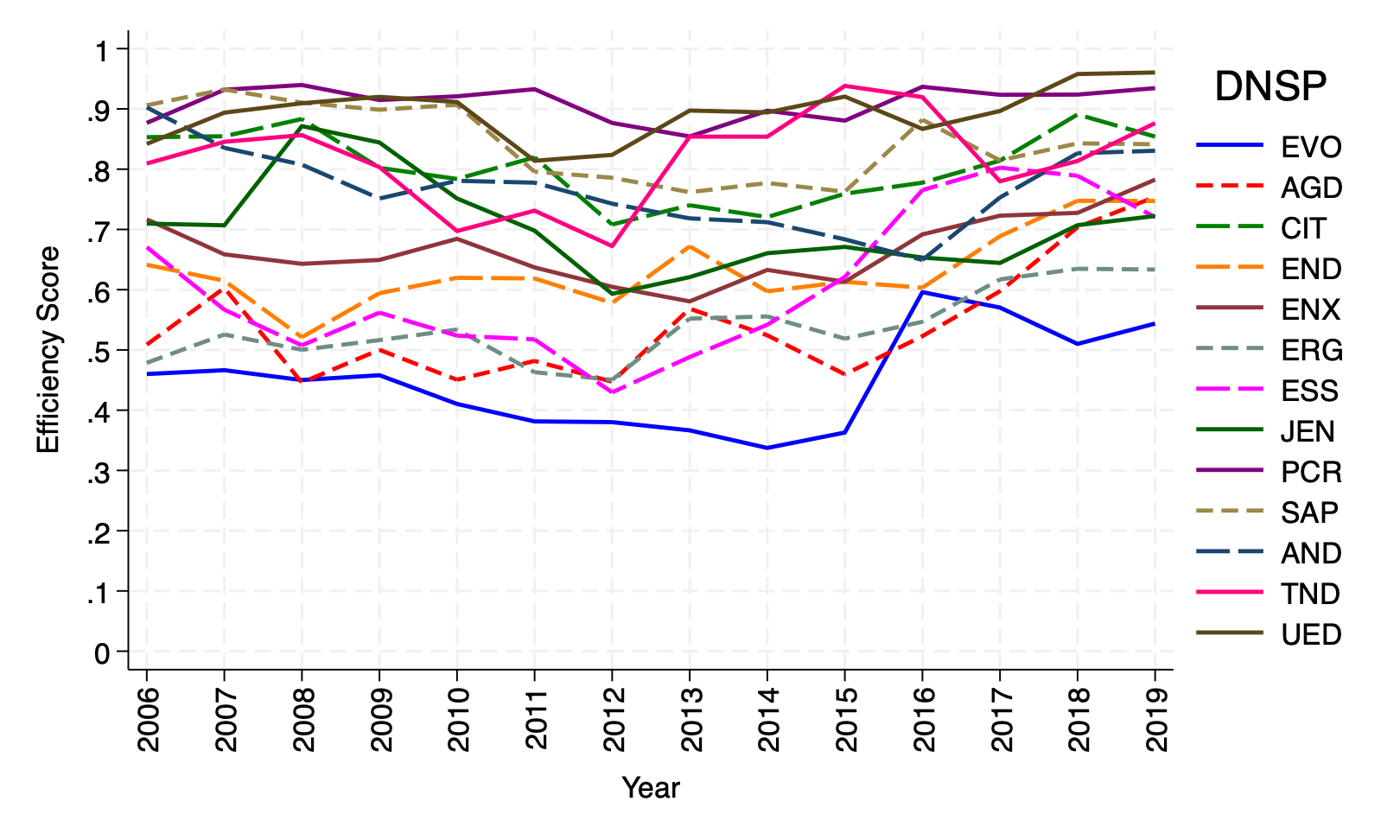
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.547 | 0.088 | 0.359 | 0.994 |
| 2.NZ | 0.547 | 0.088 | 0.359 | 0.994 |
| 3.Ontario | 0.547 | 0.088 | 0.359 | 0.994 |
| Total | 0.547 | 0.088 | 0.359 | 0.994 |

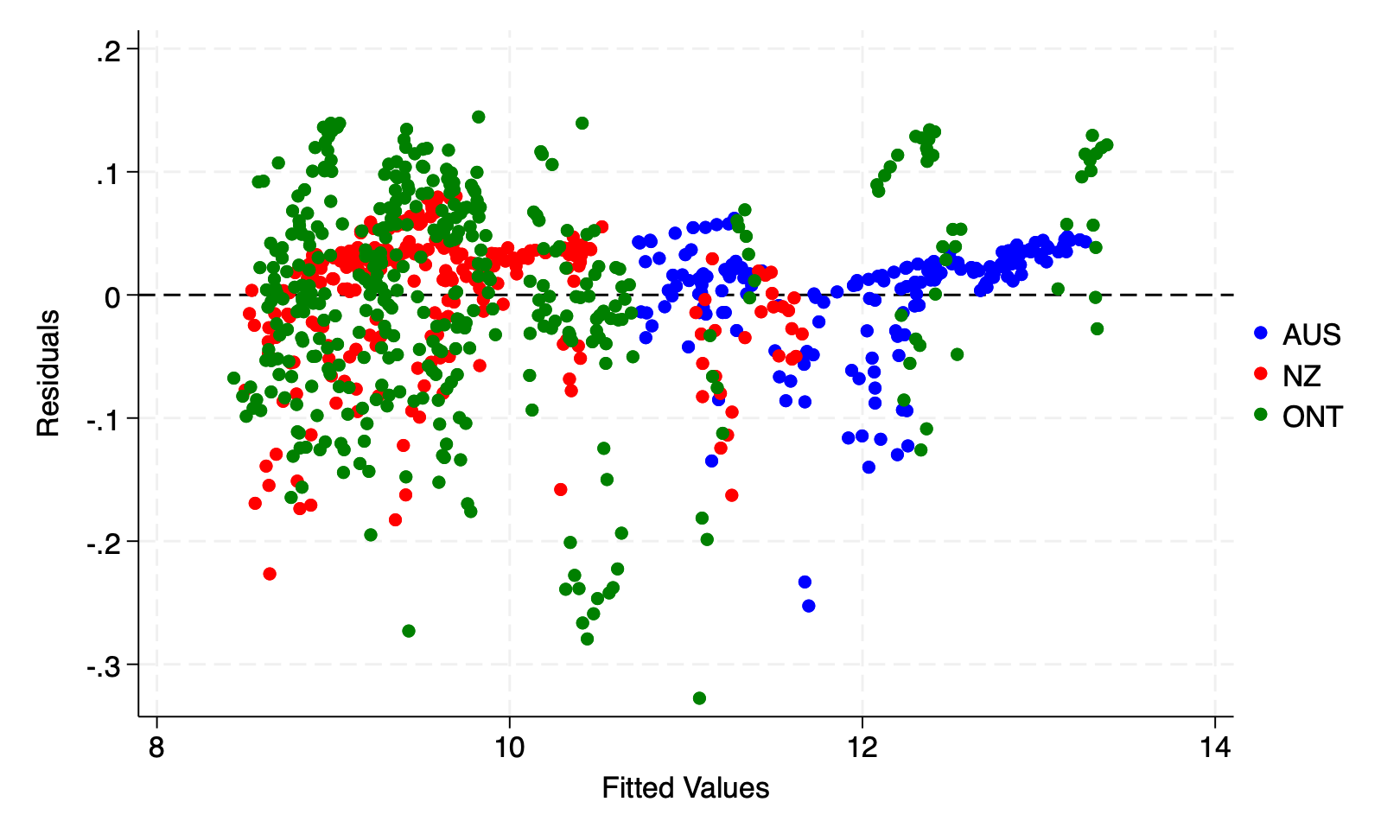
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.706 | 0.581 | 0.833 |
| 2.NZ | 0.774 | 0.642 | 0.899 |
| 3.Ontario | 0.915 | 0.793 | 0.991 |
| Total | 0.827 | 0.701 | 0.928 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.450 | 0.364 | 0.549 |
| 2 | 0.541 | 0.438 | 0.660 |
| 3 | 0.804 | 0.658 | 0.950 |
| 4 | 0.633 | 0.512 | 0.772 |
| 5 | 0.668 | 0.541 | 0.814 |
| 6 | 0.538 | 0.435 | 0.657 |
| 7 | 0.608 | 0.492 | 0.739 |
| 8 | 0.704 | 0.572 | 0.851 |
| 9 | 0.910 | 0.777 | 0.995 |
| 10 | 0.844 | 0.700 | 0.971 |
| 11 | 0.769 | 0.627 | 0.920 |
| 12 | 0.818 | 0.675 | 0.952 |
| 13 | 0.893 | 0.758 | 0.991 |
| Total | 0.706 | 0.581 | 0.833 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 7263.479 | -6.0e+04 | 3.1e+04 | -2.2e+04 |
| 2.NZ | 2.9e+04 | -6.1e+03 | 4.0e+04 | 6.4e+04 |
| 3.Ontario | 3.7e+04 | 6427.258 | 4.5e+04 | 8.9e+04 |
| Total | 2.8e+04 | -1.2e+04 | 4.1e+04 | 5.7e+04 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 2.5e+04 | -2.1e+04 | 3.9e+04 | 4.3e+04 |
| 2 | 1733.276 | -7.6e+04 | 2.9e+04 | -4.5e+04 |
| 3 | 2.4e+04 | -2.6e+04 | 3.9e+04 | 3.7e+04 |
| 4 | 4732.140 | -6.8e+04 | 3.0e+04 | -3.3e+04 |
| 5 | 696.183 | -7.7e+04 | 2.8e+04 | -4.8e+04 |
| 6 | -5.2e+03 | -8.5e+04 | 2.4e+04 | -6.6e+04 |
| 7 | -7.4e+03 | -8.9e+04 | 2.3e+04 | -7.3e+04 |
| 8 | 2.2e+04 | -3.0e+04 | 3.8e+04 | 3.0e+04 |
| 9 | 129.506 | -7.4e+04 | 2.7e+04 | -4.7e+04 |
| 10 | -1.6e+03 | -7.9e+04 | 2.6e+04 | -5.4e+04 |
| 11 | 4526.553 | -6.5e+04 | 2.9e+04 | -3.1e+04 |
| 12 | 1.2e+04 | -4.7e+04 | 3.3e+04 | -1.8e+03 |
| 13 | 1.4e+04 | -4.8e+04 | 3.4e+04 | -248.072 |
| Total | 7263.479 | -6.0e+04 | 3.1e+04 | -2.2e+04 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

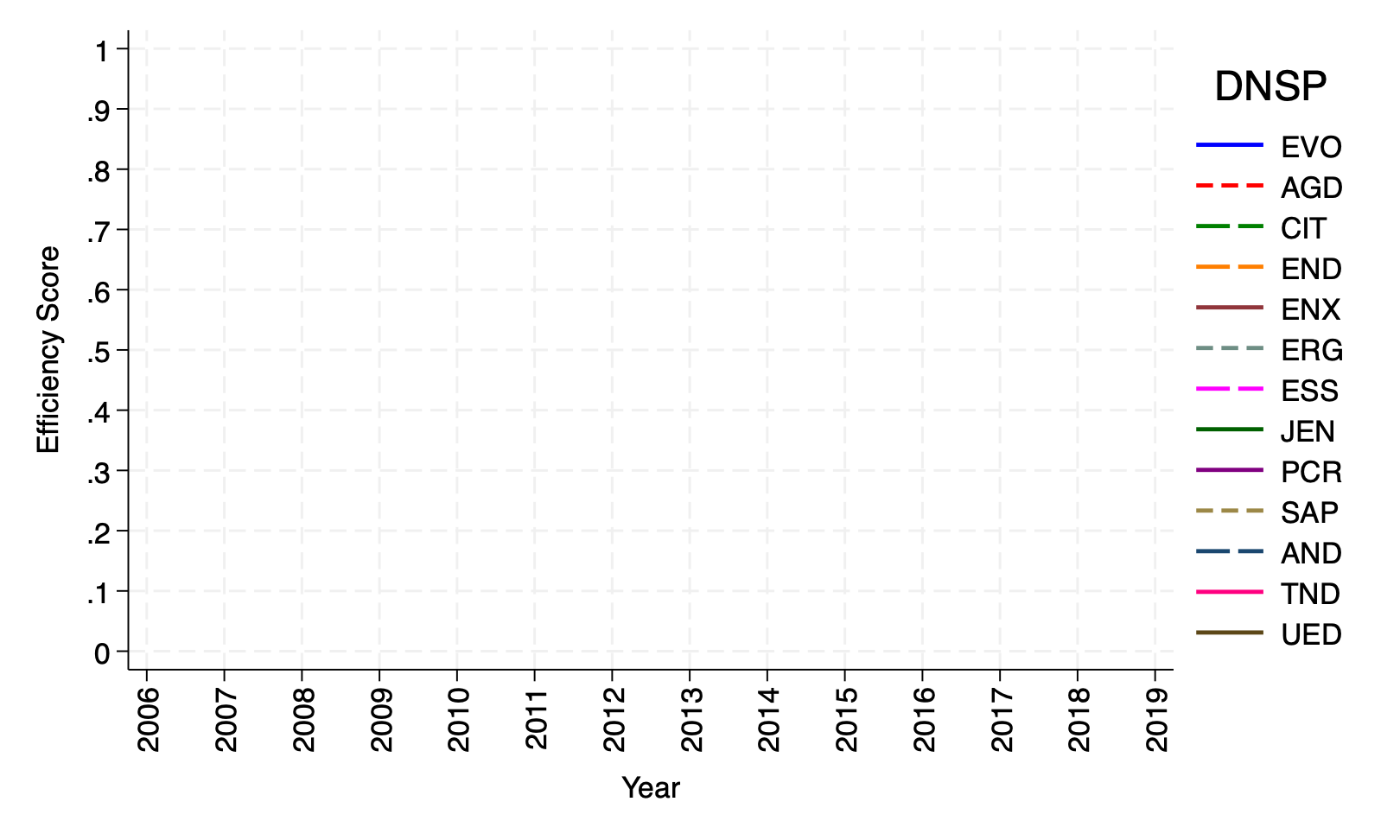
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 27.5 | 100.0 | 0.0 | 100.0 |
| 2.NZ | 0.0 | 45.9 | 0.0 | 45.9 |
| 3.Ontario | 3.4 | 27.6 | 0.0 | 27.6 |
| Total | 7.5 | 48.7 | 0.0 | 48.7 |

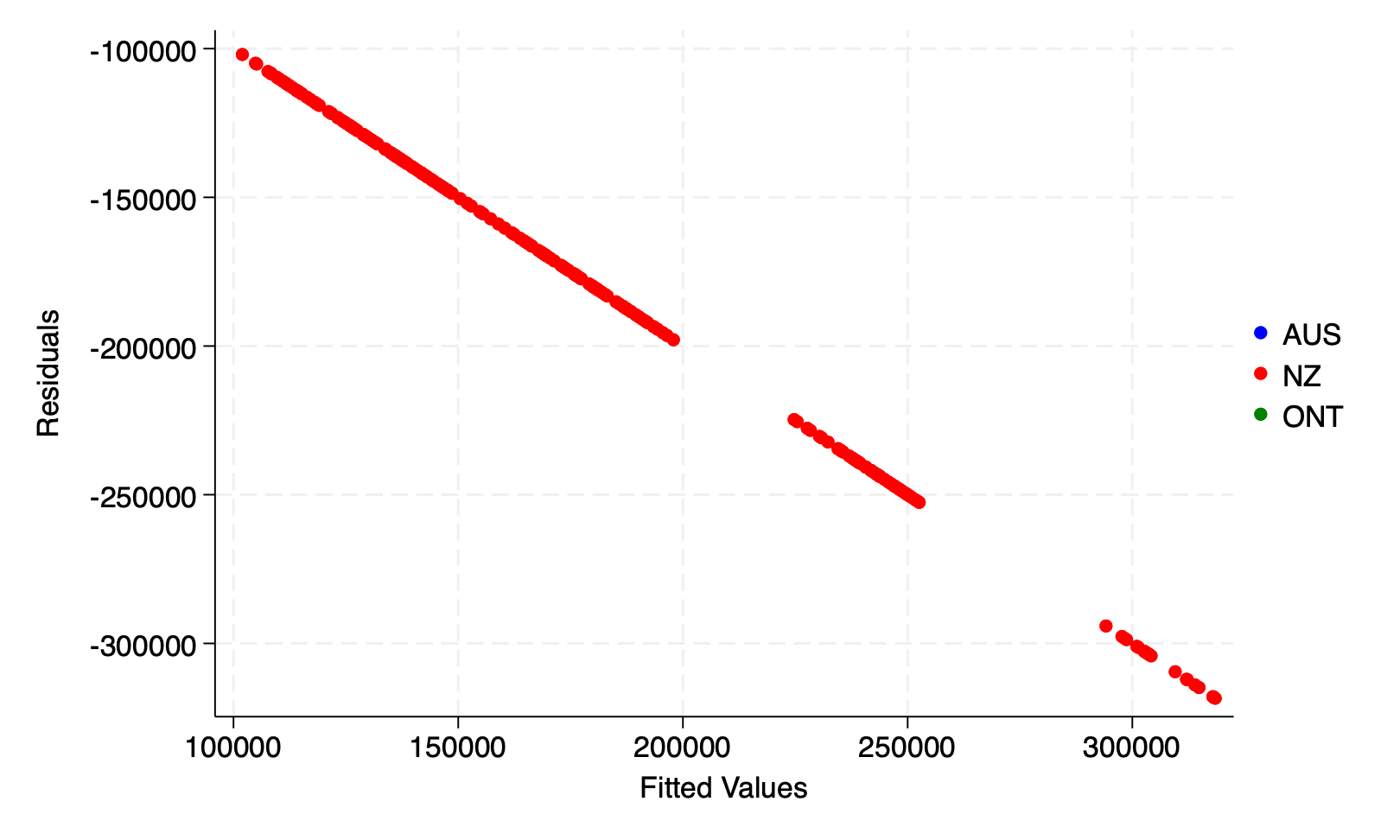
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 100.0 | 0.0 | 100.0 |
| 2 | 0.0 | 100.0 | 0.0 | 100.0 |
| 3 | 0.0 | 100.0 | 0.0 | 100.0 |
| 4 | 0.0 | 100.0 | 0.0 | 100.0 |
| 5 | 14.3 | 100.0 | 0.0 | 100.0 |
| 6 | 100.0 | 100.0 | 0.0 | 100.0 |
| 7 | 100.0 | 100.0 | 0.0 | 100.0 |
| 8 | 0.0 | 100.0 | 0.0 | 100.0 |
| 9 | 42.9 | 100.0 | 0.0 | 100.0 |
| 10 | 100.0 | 100.0 | 0.0 | 100.0 |
| 11 | 0.0 | 100.0 | 0.0 | 100.0 |
| 12 | 0.0 | 100.0 | 0.0 | 100.0 |
| 13 | 0.0 | 100.0 | 0.0 | 100.0 |
| Total | 27.5 | 100.0 | 0.0 | 100.0 |

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 | . | . | . |
| 2.NZ | 0.000 | 0.000 | 0.000 |
| 3.Ontario | . | . | . |
| Total | 0.000 | 0.000 | 0.000 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | . | . | . |
| 2 | . | . | . |
| 3 | . | . | . |
| 4 | . | . | . |
| 5 | . | . | . |
| 6 | . | . | . |
| 7 | . | . | . |
| 8 | . | . | . |
| 9 | . | . | . |
| 10 | . | . | . |
| 11 | . | . | . |
| 12 | . | . | . |
| 13 | . | . | . |
| Total | . | . | . |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.5e+04 |
| 2.NZ | 2.9e+04 | -1.2e+04 | 4.1e+04 | 5.8e+04 |
| 3.Ontario | 2.9e+04 | -1.2e+04 | 4.1e+04 | 5.8e+04 |
| Total | 2.8e+04 | -1.2e+04 | 4.1e+04 | 5.7e+04 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 2.8e+04 | -1.2e+04 | 4.0e+04 | 5.6e+04 |
| 2 | 2.6e+04 | -1.2e+04 | 3.8e+04 | 5.3e+04 |
| 3 | 2.8e+04 | -1.2e+04 | 4.0e+04 | 5.5e+04 |
| 4 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.4e+04 |
| 5 | 2.7e+04 | -1.2e+04 | 3.8e+04 | 5.3e+04 |
| 6 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.4e+04 |
| 7 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.4e+04 |
| 8 | 2.8e+04 | -1.2e+04 | 4.0e+04 | 5.6e+04 |
| 9 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.4e+04 |
| 10 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.4e+04 |
| 11 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.5e+04 |
| 12 | 2.8e+04 | -1.2e+04 | 4.0e+04 | 5.6e+04 |
| 13 | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.5e+04 |
| Total | 2.7e+04 | -1.2e+04 | 3.9e+04 | 5.5e+04 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 0.0 | 100.0 | 0.0 | 100.0 |
| 2.NZ | 0.0 | 100.0 | 0.0 | 100.0 |
| 3.Ontario | 0.0 | 100.0 | 0.0 | 100.0 |
| Total | 0.0 | 100.0 | 0.0 | 100.0 |

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