Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

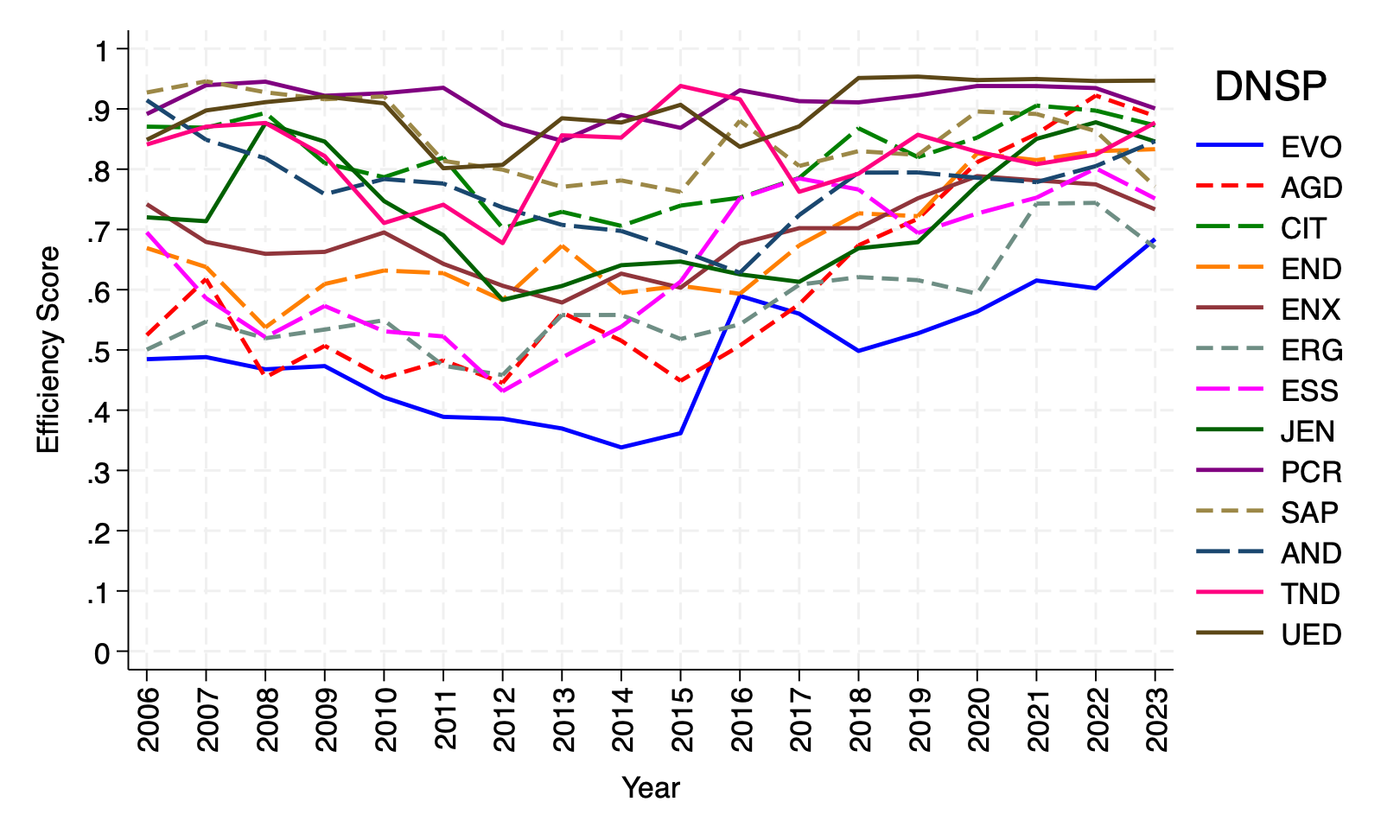
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.496 | 0.113 | 0.381 | 0.990 |
| 2.NZ | 0.496 | 0.113 | 0.381 | 0.990 |
| 3.Ontario | 0.496 | 0.113 | 0.381 | 0.990 |
| Total | 0.496 | 0.113 | 0.381 | 0.990 |

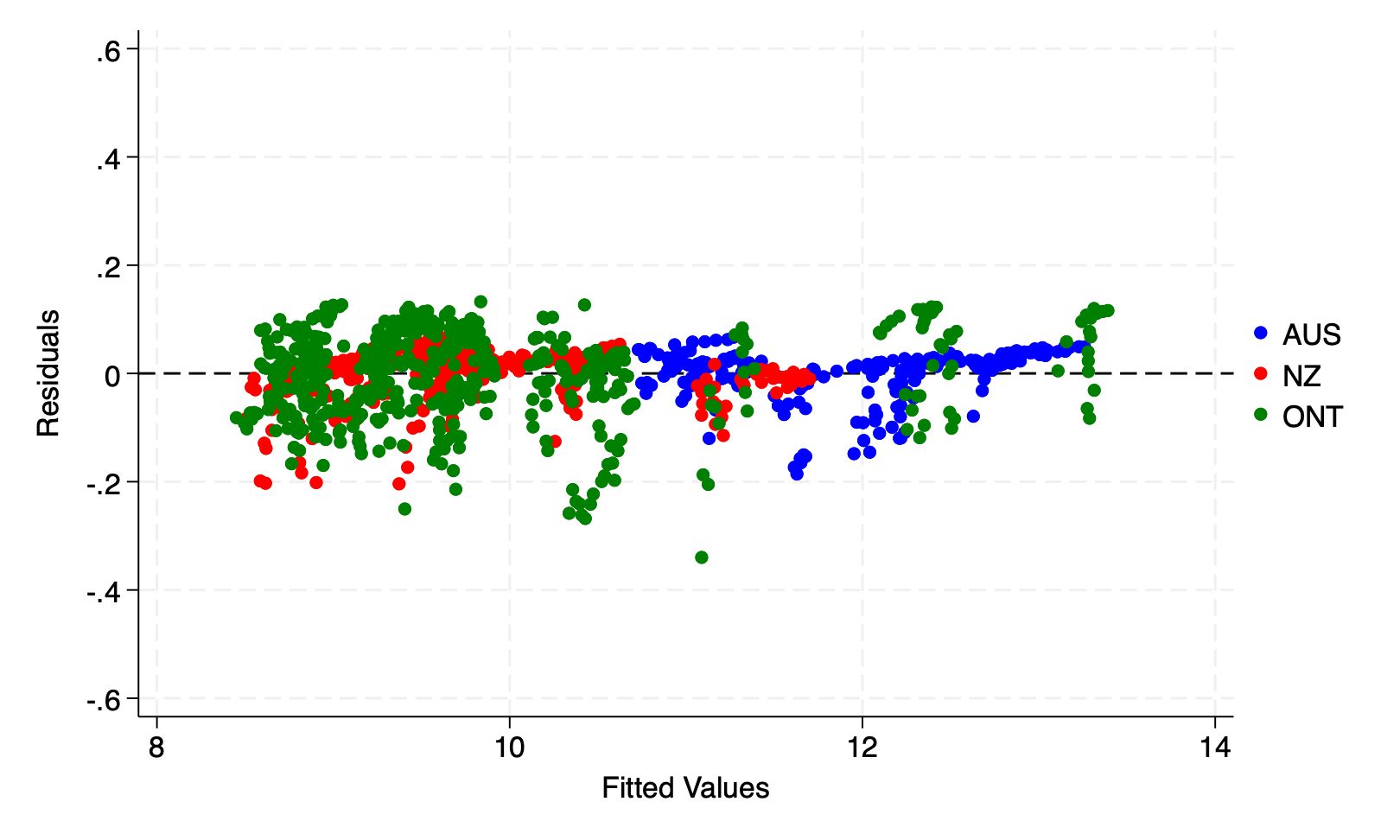
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.729 | 0.605 | 0.853 |
| 2.NZ | 0.739 | 0.613 | 0.861 |
| 3.Ontario | 0.912 | 0.791 | 0.990 |
| Total | 0.819 | 0.696 | 0.920 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.490 | 0.400 | 0.594 |
| 2 | 0.609 | 0.501 | 0.723 |
| 3 | 0.816 | 0.674 | 0.951 |
| 4 | 0.677 | 0.554 | 0.815 |
| 5 | 0.689 | 0.563 | 0.834 |
| 6 | 0.575 | 0.469 | 0.698 |
| 7 | 0.640 | 0.523 | 0.775 |
| 8 | 0.722 | 0.593 | 0.860 |
| 9 | 0.913 | 0.783 | 0.995 |
| 10 | 0.851 | 0.713 | 0.972 |
| 11 | 0.770 | 0.632 | 0.917 |
| 12 | 0.825 | 0.684 | 0.957 |
| 13 | 0.898 | 0.769 | 0.990 |
| Total | 0.729 | 0.605 | 0.853 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.189 | 0.167 | 0.630 | 0.985 |
| 2.NZ | 0.712 | 0.073 | 0.161 | 0.946 |
| 3.Ontario | 0.391 | 0.095 | 0.485 | 0.971 |
| Total | 0.448 | 0.103 | 0.415 | 0.967 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.346 | 0.126 | 0.487 | 0.959 |
| 2 | -0.035 | 0.207 | 0.814 | 0.985 |
| 3 | 0.161 | 0.153 | 0.645 | 0.960 |
| 4 | 0.014 | 0.186 | 0.809 | 1.010 |
| 5 | 0.030 | 0.198 | 0.763 | 0.991 |
| 6 | 0.098 | 0.167 | 0.806 | 1.071 |
| 7 | 0.235 | 0.169 | 0.622 | 1.026 |
| 8 | 0.378 | 0.146 | 0.386 | 0.910 |
| 9 | 0.233 | 0.169 | 0.591 | 0.993 |
| 10 | 0.152 | 0.174 | 0.690 | 1.017 |
| 11 | 0.324 | 0.165 | 0.463 | 0.952 |
| 12 | 0.282 | 0.137 | 0.588 | 1.007 |
| 13 | 0.236 | 0.171 | 0.522 | 0.929 |
| Total | 0.189 | 0.167 | 0.630 | 0.985 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

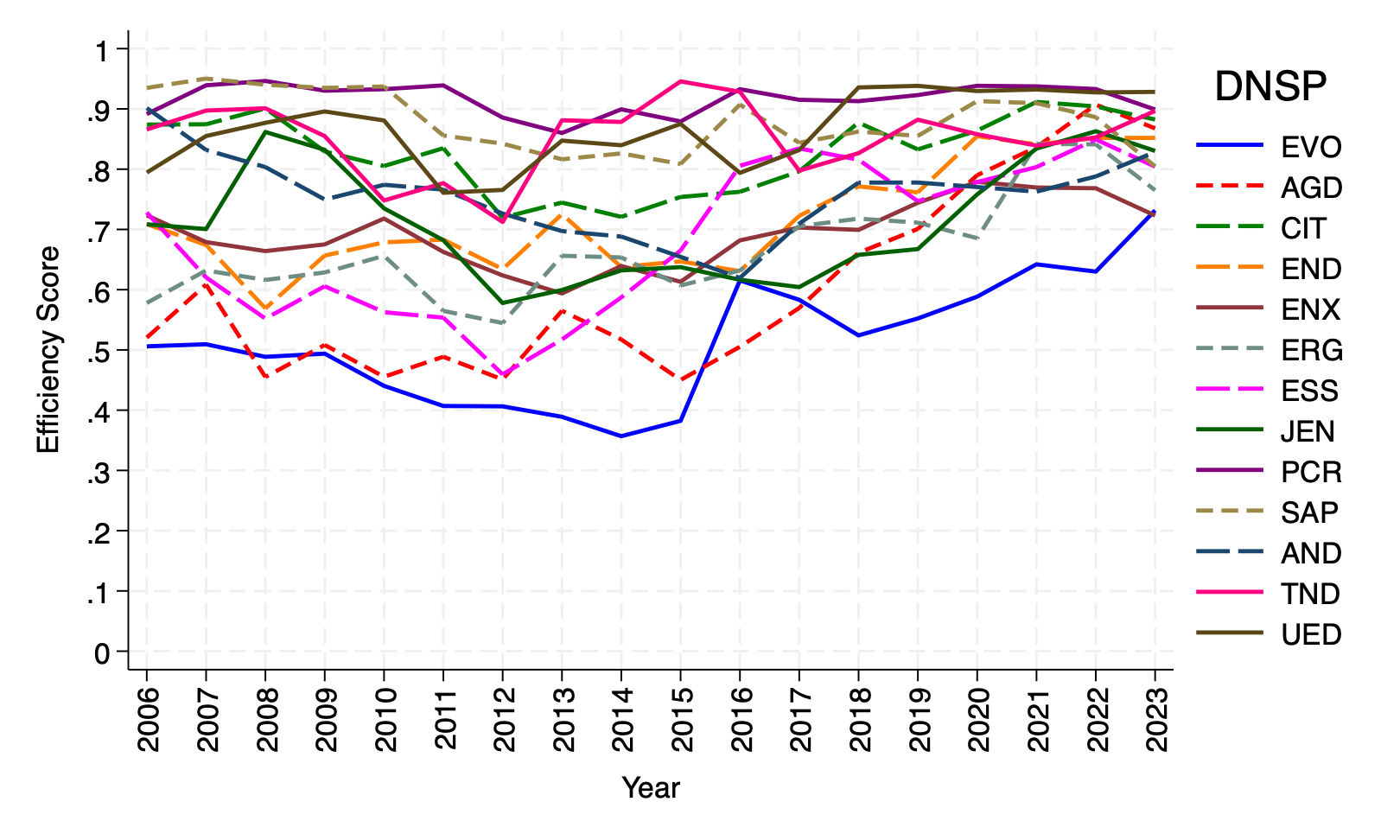
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 9.8 | 0.0 | 0.0 | 9.8 |
| 2.NZ | 0.0 | 0.0 | 26.9 | 26.9 |
| 3.Ontario | 9.0 | 0.0 | 0.0 | 9.0 |
| Total | 6.4 | 0.0 | 8.4 | 14.8 |

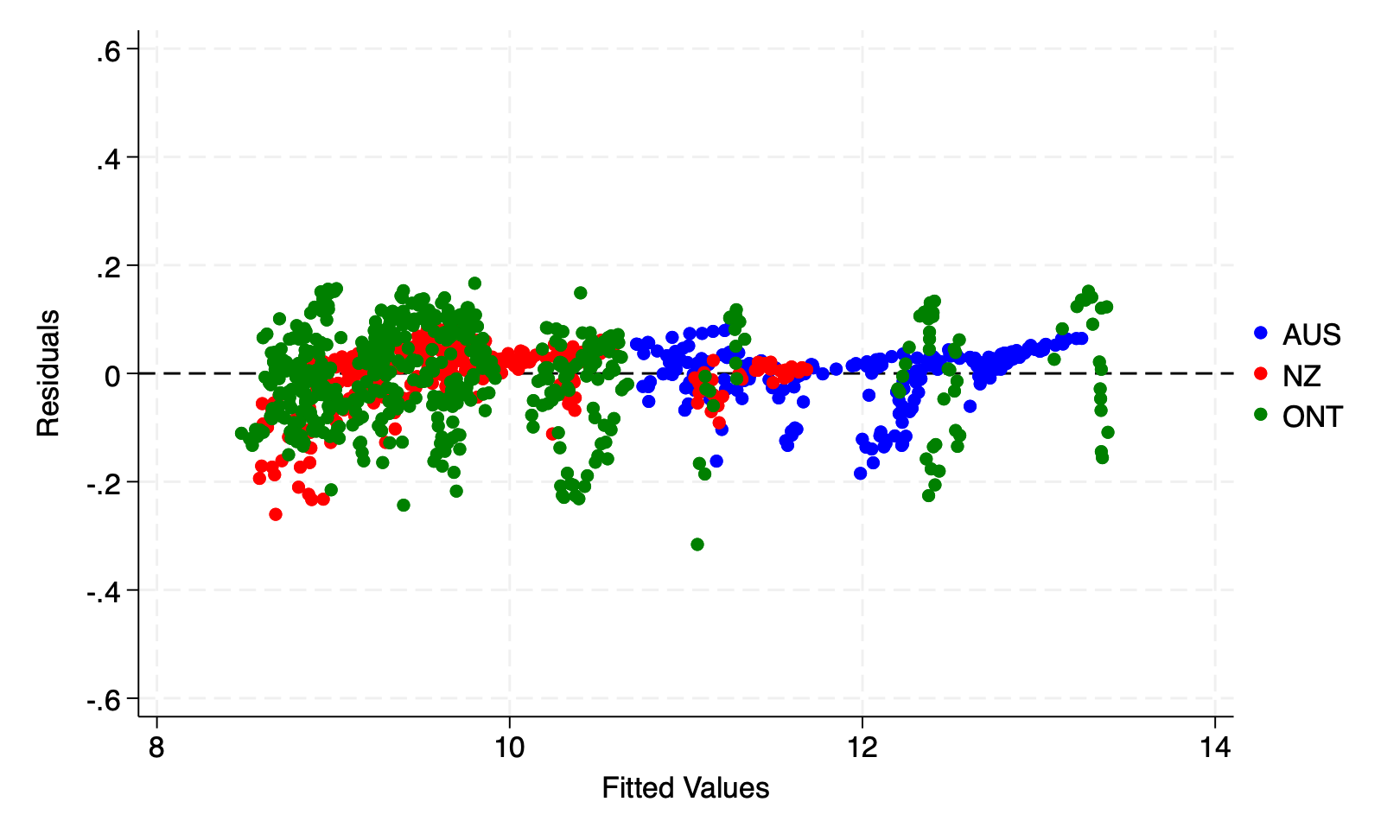
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 22.2 | 0.0 | 0.0 | 22.2 |
| 5 | 5.6 | 0.0 | 0.0 | 5.6 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 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 | 9.8 | 0.0 | 0.0 | 9.8 |

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 | 0.745 | 0.616 | 0.872 |
| 2.NZ | 0.757 | 0.626 | 0.884 |
| 3.Ontario | 0.923 | 0.805 | 0.994 |
| Total | 0.833 | 0.709 | 0.933 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.514 | 0.417 | 0.625 |
| 2 | 0.603 | 0.493 | 0.722 |
| 3 | 0.827 | 0.683 | 0.960 |
| 4 | 0.717 | 0.585 | 0.861 |
| 5 | 0.692 | 0.563 | 0.842 |
| 6 | 0.669 | 0.544 | 0.809 |
| 7 | 0.683 | 0.556 | 0.821 |
| 8 | 0.711 | 0.580 | 0.853 |
| 9 | 0.916 | 0.787 | 0.996 |
| 10 | 0.879 | 0.742 | 0.987 |
| 11 | 0.757 | 0.618 | 0.908 |
| 12 | 0.852 | 0.710 | 0.974 |
| 13 | 0.867 | 0.729 | 0.980 |
| Total | 0.745 | 0.616 | 0.872 |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.473 | 0.103 | 0.598 | 0.228 |
| 2.NZ | 0.914 | 0.103 | 0.158 | 1.176 |
| 3.Ontario | 0.556 | 0.103 | 0.502 | 1.161 |
| Total | 0.448 | 0.103 | 0.415 | 0.967 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.143 | 0.103 | 0.483 | 0.729 |
| 2 | -1.030 | 0.103 | 0.778 | -0.149 |
| 3 | -0.231 | 0.103 | 0.645 | 0.517 |
| 4 | -0.791 | 0.103 | 0.775 | 0.087 |
| 5 | -0.911 | 0.103 | 0.723 | -0.085 |
| 6 | -0.647 | 0.103 | 0.749 | 0.205 |
| 7 | -0.582 | 0.103 | 0.561 | 0.083 |
| 8 | -0.029 | 0.103 | 0.380 | 0.454 |
| 9 | -0.523 | 0.103 | 0.545 | 0.126 |
| 10 | -0.640 | 0.103 | 0.642 | 0.105 |
| 11 | -0.383 | 0.103 | 0.426 | 0.146 |
| 12 | -0.101 | 0.103 | 0.562 | 0.564 |
| 13 | -0.422 | 0.103 | 0.504 | 0.186 |
| Total | -0.473 | 0.103 | 0.598 | 0.228 |

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 | 8.2 | 0.0 | 25.7 | 33.9 |
| 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 | 5.6 | 0.0 | 0.0 | 5.6 |
| 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 | 88.9 | 0.0 | 0.0 | 88.9 |
| 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 |