Time Varying BC95-JTT-HN-long period

SFACD BC95-JTT-HN Elasticities

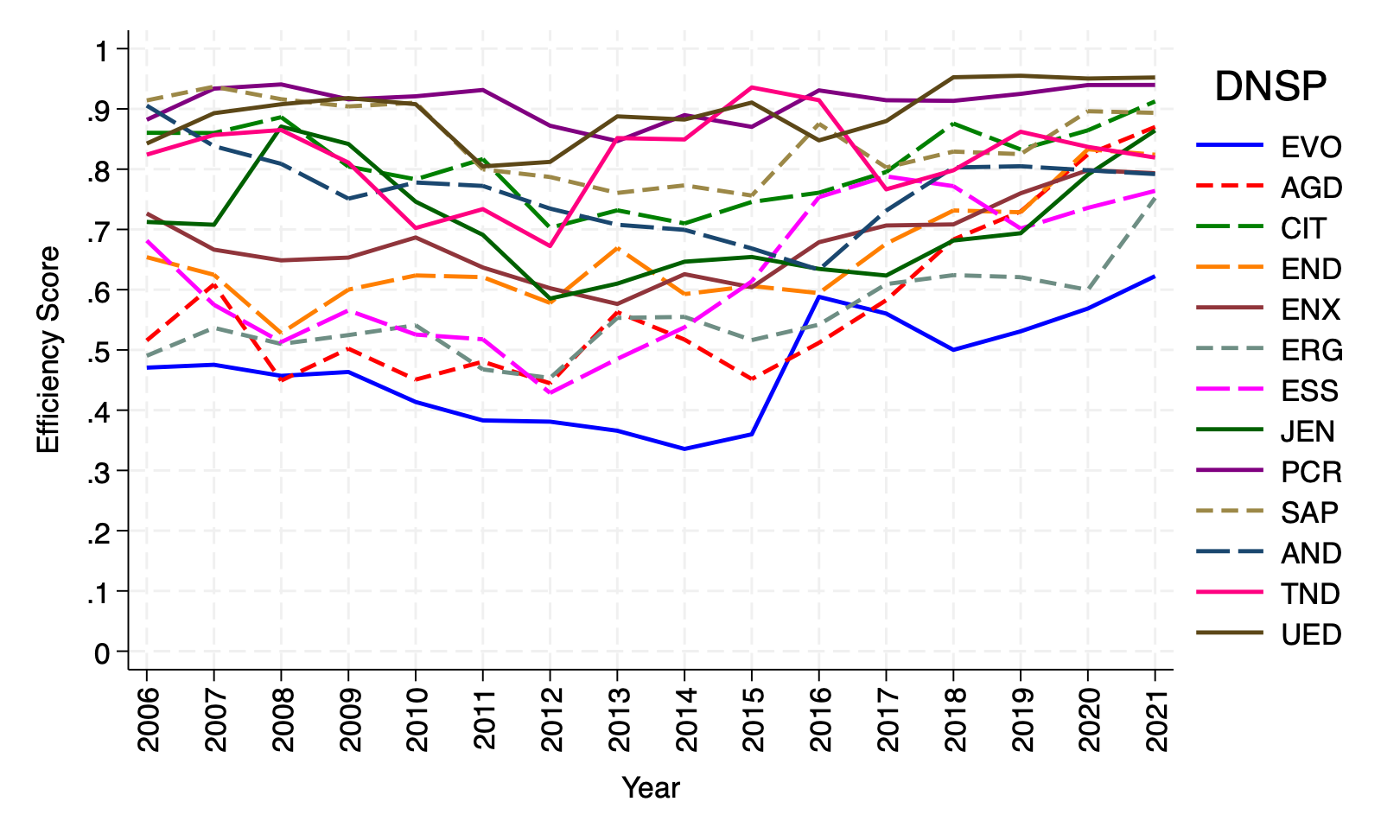
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.515 | 0.098 | 0.379 | 0.992 |
| 2.NZ | 0.515 | 0.098 | 0.379 | 0.992 |
| 3.Ontario | 0.515 | 0.098 | 0.379 | 0.992 |
| Total | 0.515 | 0.098 | 0.379 | 0.992 |

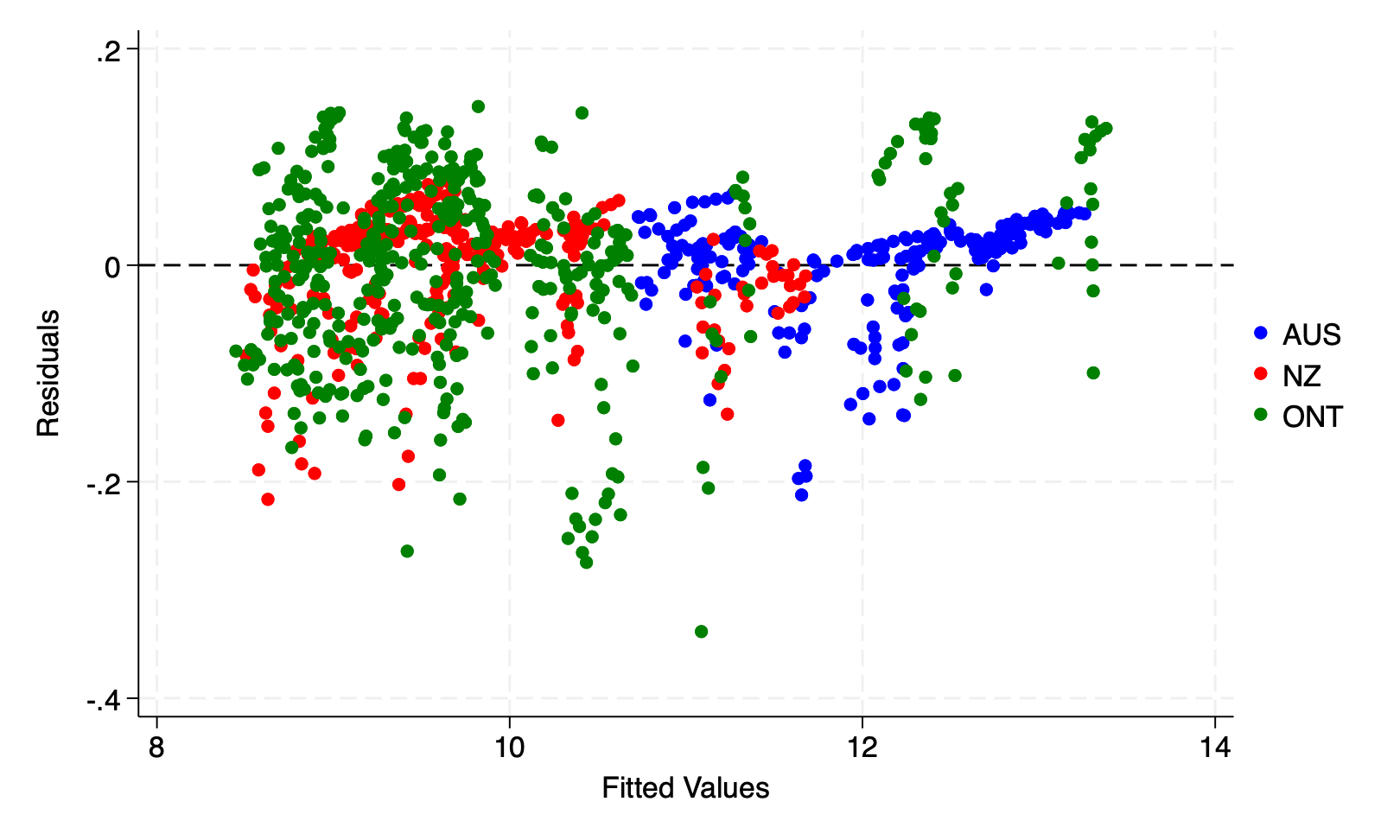
SFACD BC95-JTT-HN Efficiency Scores - long period

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.716 | 0.590 | 0.843 |
| 2.NZ | 0.759 | 0.627 | 0.884 |
| 3.Ontario | 0.916 | 0.794 | 0.992 |
| Total | 0.824 | 0.699 | 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 | 0.467 | 0.379 | 0.571 |
| 2 | 0.574 | 0.466 | 0.694 |
| 3 | 0.809 | 0.664 | 0.950 |
| 4 | 0.655 | 0.532 | 0.796 |
| 5 | 0.680 | 0.551 | 0.827 |
| 6 | 0.556 | 0.450 | 0.679 |
| 7 | 0.622 | 0.504 | 0.758 |
| 8 | 0.710 | 0.577 | 0.854 |
| 9 | 0.910 | 0.778 | 0.995 |
| 10 | 0.849 | 0.706 | 0.973 |
| 11 | 0.764 | 0.623 | 0.916 |
| 12 | 0.819 | 0.674 | 0.955 |
| 13 | 0.894 | 0.760 | 0.990 |
| Total | 0.716 | 0.590 | 0.843 |

SFACD BC95-JTT-HN Efficiency Scores - long period





SFATLG BC95-JTT-HN Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.230 | 0.152 | 0.611 | 0.993 |
| 2.NZ | 0.733 | 0.060 | 0.156 | 0.949 |
| 3.Ontario | 0.401 | 0.078 | 0.493 | 0.972 |
| Total | 0.468 | 0.088 | 0.413 | 0.970 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.391 | 0.108 | 0.462 | 0.961 |
| 2 | 0.022 | 0.188 | 0.784 | 0.995 |
| 3 | 0.209 | 0.131 | 0.623 | 0.964 |
| 4 | 0.048 | 0.172 | 0.797 | 1.017 |
| 5 | 0.083 | 0.181 | 0.736 | 1.000 |
| 6 | 0.092 | 0.166 | 0.821 | 1.079 |
| 7 | 0.260 | 0.164 | 0.610 | 1.035 |
| 8 | 0.446 | 0.121 | 0.351 | 0.918 |
| 9 | 0.269 | 0.158 | 0.577 | 1.004 |
| 10 | 0.179 | 0.166 | 0.682 | 1.026 |
| 11 | 0.383 | 0.149 | 0.432 | 0.963 |
| 12 | 0.294 | 0.127 | 0.592 | 1.014 |
| 13 | 0.308 | 0.148 | 0.482 | 0.938 |
| Total | 0.230 | 0.152 | 0.611 | 0.993 |

SFATLG BC95-JTT-HN Monotonicity Violations - long period

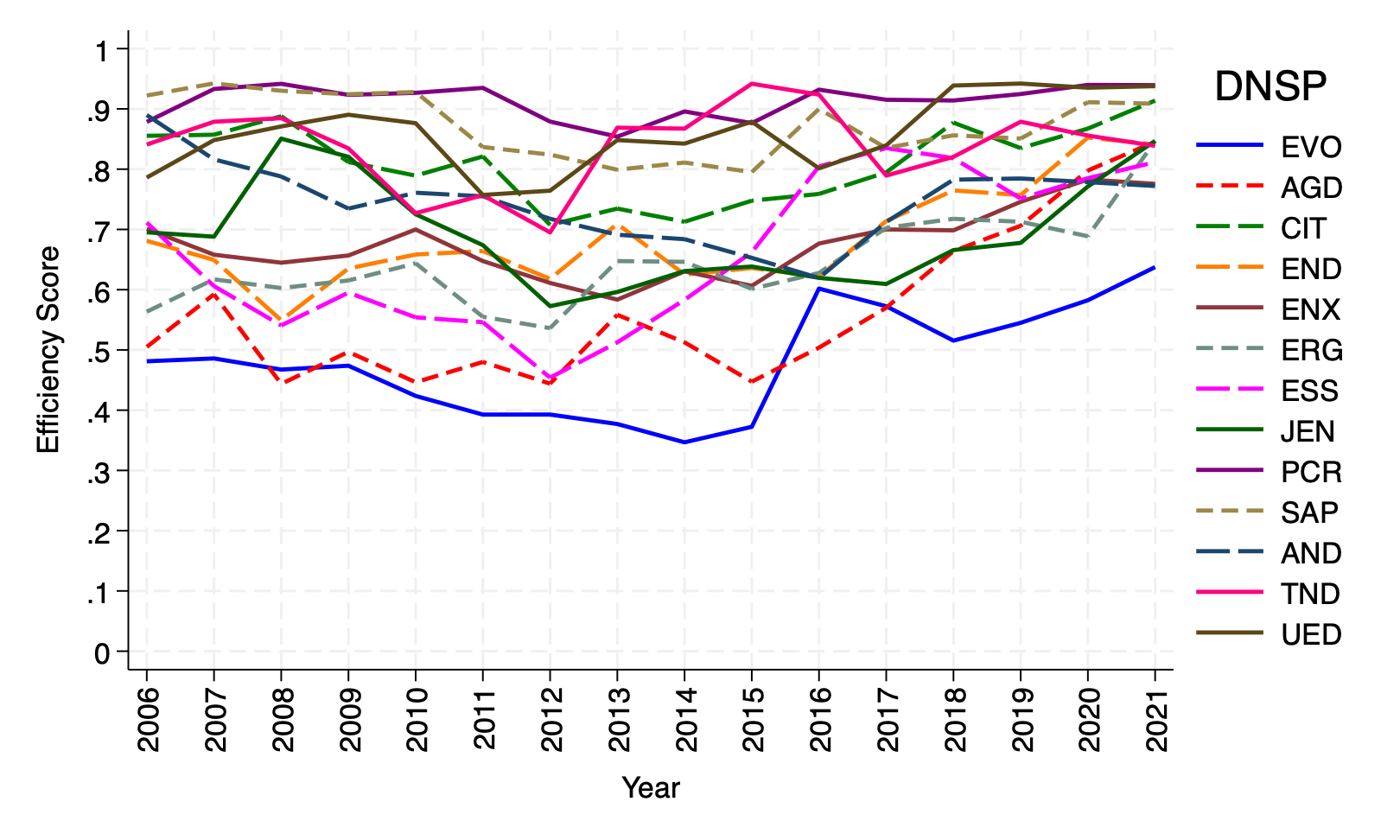
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.NZ | 0.0 | 0.0 | 27.3 | 27.3 |
| 3.Ontario | 8.8 | 0.0 | 0.0 | 8.8 |
| Total | 4.2 | 0.0 | 8.5 | 12.7 |

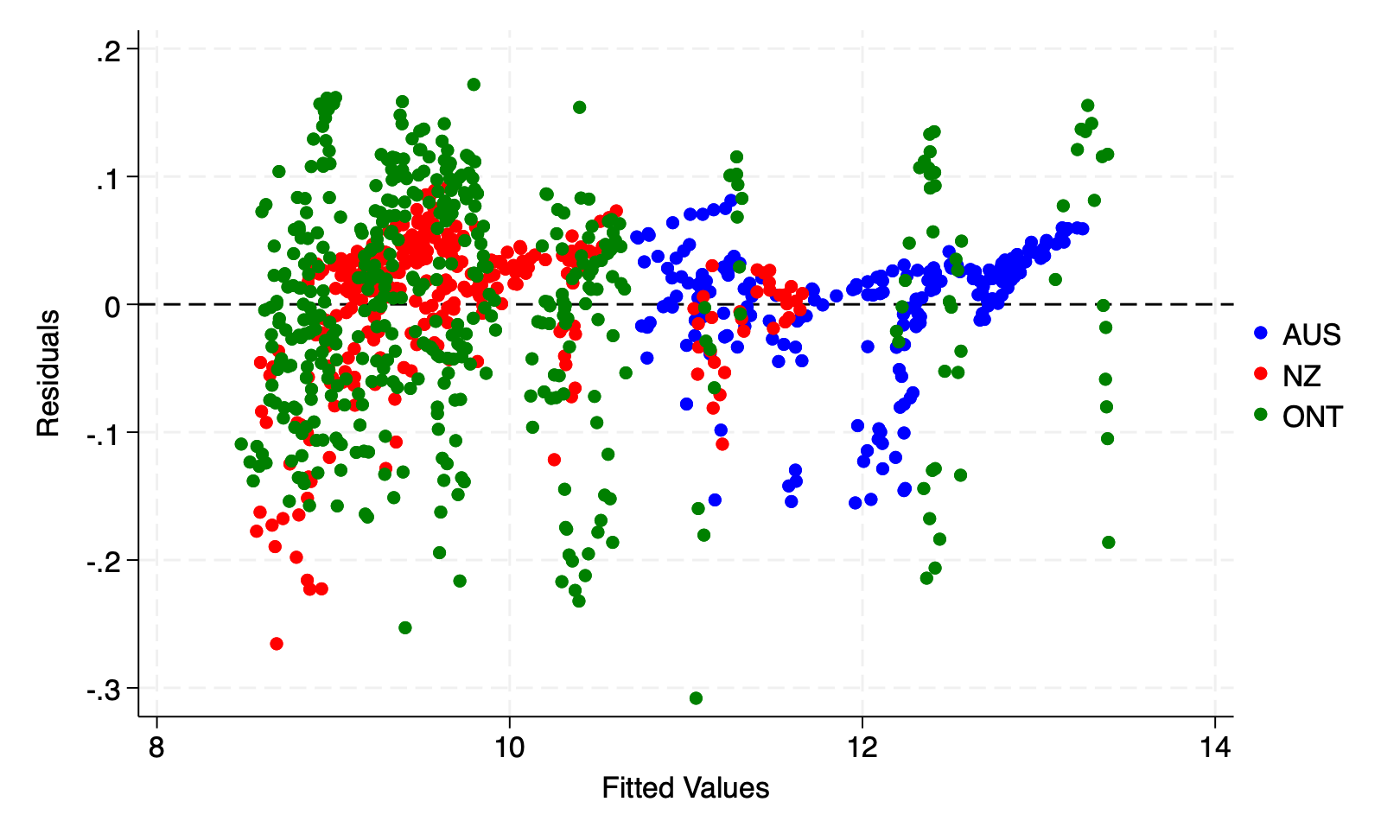
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 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 | 0.726 | 0.598 | 0.855 |
| 2.NZ | 0.774 | 0.641 | 0.900 |
| 3.Ontario | 0.925 | 0.808 | 0.994 |
| Total | 0.836 | 0.711 | 0.935 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | 0.479 | 0.389 | 0.585 |
| 2 | 0.563 | 0.458 | 0.683 |
| 3 | 0.811 | 0.666 | 0.951 |
| 4 | 0.686 | 0.558 | 0.830 |
| 5 | 0.676 | 0.549 | 0.823 |
| 6 | 0.645 | 0.524 | 0.784 |
| 7 | 0.661 | 0.537 | 0.798 |
| 8 | 0.693 | 0.563 | 0.836 |
| 9 | 0.913 | 0.782 | 0.995 |
| 10 | 0.873 | 0.734 | 0.985 |
| 11 | 0.746 | 0.607 | 0.899 |
| 12 | 0.838 | 0.694 | 0.966 |
| 13 | 0.860 | 0.720 | 0.978 |
| Total | 0.726 | 0.598 | 0.855 |





SFATLG BC95-JTT-HN Alternative Elasticities - long period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.589 | 0.088 | 0.552 | 0.051 |
| 2.NZ | 1.006 | 0.088 | 0.151 | 1.245 |
| 3.Ontario | 0.589 | 0.088 | 0.523 | 1.201 |
| Total | 0.468 | 0.088 | 0.413 | 0.970 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.133 | 0.088 | 0.456 | 0.678 |
| 2 | -1.233 | 0.088 | 0.716 | -0.428 |
| 3 | -0.312 | 0.088 | 0.622 | 0.398 |
| 4 | -0.956 | 0.088 | 0.733 | -0.134 |
| 5 | -1.091 | 0.088 | 0.661 | -0.341 |
| 6 | -0.792 | 0.088 | 0.714 | 0.010 |
| 7 | -0.711 | 0.088 | 0.496 | -0.127 |
| 8 | -0.081 | 0.088 | 0.339 | 0.347 |
| 9 | -0.646 | 0.088 | 0.491 | -0.067 |
| 10 | -0.784 | 0.088 | 0.591 | -0.105 |
| 11 | -0.484 | 0.088 | 0.361 | -0.034 |
| 12 | -0.166 | 0.088 | 0.542 | 0.464 |
| 13 | -0.533 | 0.088 | 0.448 | 0.004 |
| Total | -0.589 | 0.088 | 0.552 | 0.051 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 91.8 | 0.0 | 0.0 | 91.8 |
| 2.NZ | 9.2 | 0.0 | 25.3 | 34.5 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 29.0 | 0.0 | 7.9 | 36.9 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 | 93.8 | 0.0 | 0.0 | 93.8 |
| 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 | 91.8 | 0.0 | 0.0 | 91.8 |