SFA-Kumb90-JTT-HN - short period

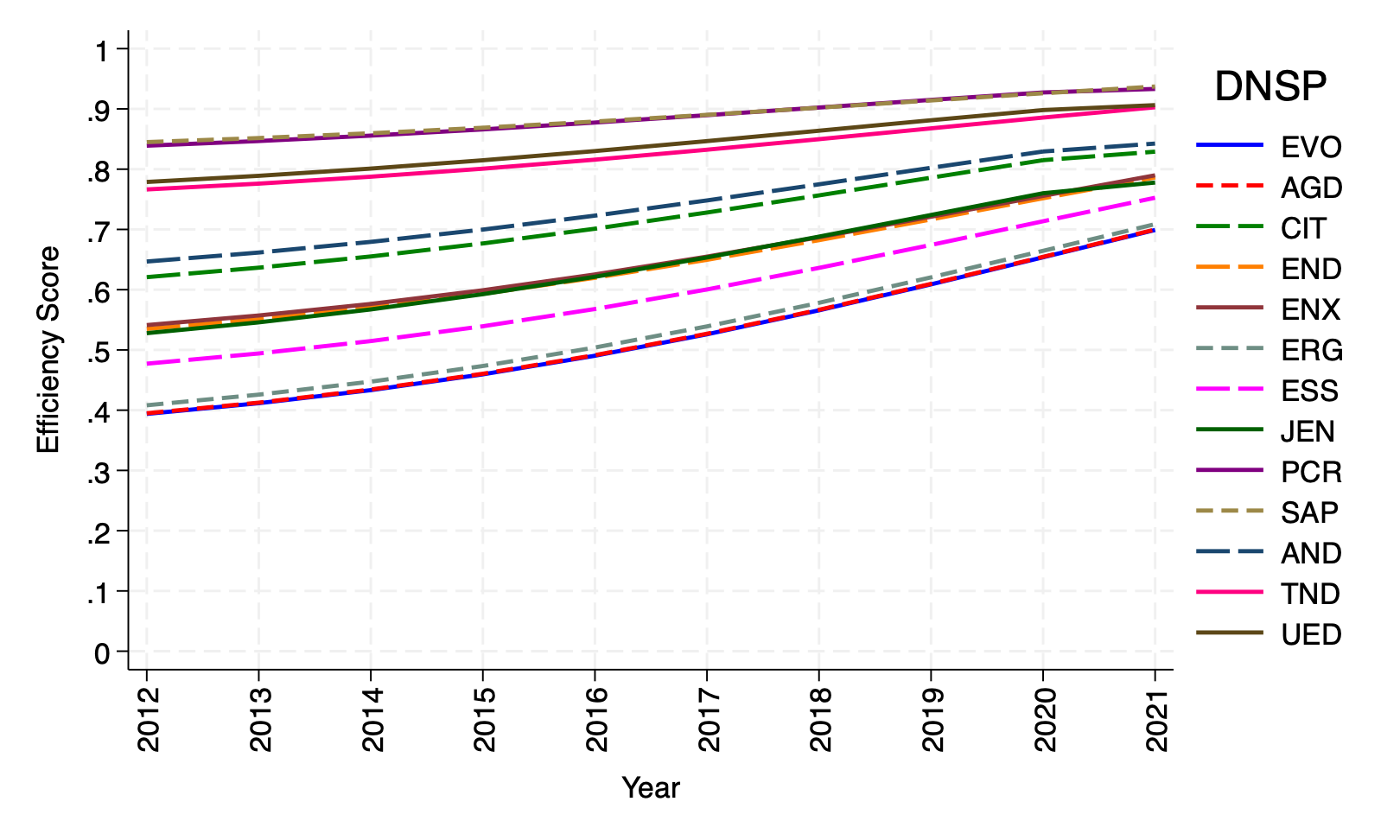
SFACD-Kumb90-JTT-HN Elasticities

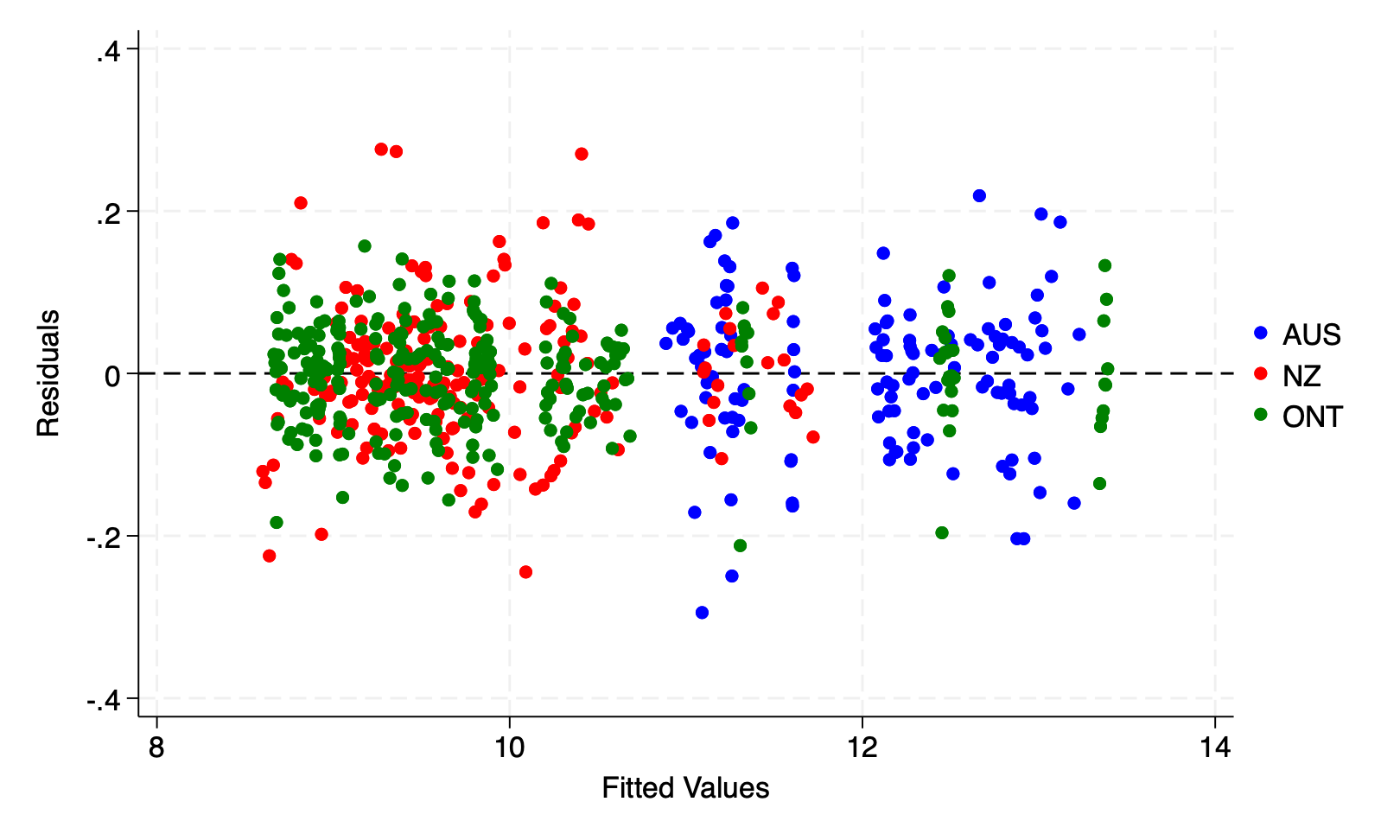
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.530 | 0.291 | 0.101 | 0.921 |
| 2.NZ | 0.530 | 0.291 | 0.101 | 0.921 |
| 3.Ontario | 0.530 | 0.291 | 0.101 | 0.921 |
| Total | 0.530 | 0.291 | 0.101 | 0.921 |

SFACD-Kumb90-JTT-HN Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.695 | 0.727 | 0.663 |
| 2.NZ | 0.721 | 0.757 | 0.687 |
| 3.Ontario | 0.766 | 0.803 | 0.731 |
| Total | 0.737 | 0.772 | 0.703 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.524 | 0.548 | 0.501 |
| 2 | 0.525 | 0.549 | 0.502 |
| 3 | 0.720 | 0.754 | 0.688 |
| 4 | 0.646 | 0.676 | 0.617 |
| 5 | 0.651 | 0.681 | 0.622 |
| 6 | 0.537 | 0.562 | 0.513 |
| 7 | 0.597 | 0.625 | 0.571 |
| 8 | 0.646 | 0.676 | 0.617 |
| 9 | 0.885 | 0.928 | 0.845 |
| 10 | 0.887 | 0.930 | 0.847 |
| 11 | 0.741 | 0.776 | 0.708 |
| 12 | 0.828 | 0.868 | 0.791 |
| 13 | 0.841 | 0.881 | 0.803 |
| Total | 0.695 | 0.727 | 0.663 |





SFATLG-Kumb90-JTT-HN-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.008 | 0.664 | 0.642 | 1.314 |
| 2.NZ | 0.325 | 0.293 | 0.006 | 0.624 |
| 3.Ontario | 0.034 | 0.117 | 0.370 | 0.521 |
| Total | 0.119 | 0.288 | 0.315 | 0.722 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.027 | 0.354 | 0.458 | 0.839 |
| 2 | -0.173 | 0.749 | 0.929 | 1.505 |
| 3 | -0.136 | 0.356 | 0.685 | 0.906 |
| 4 | -0.103 | 0.695 | 0.843 | 1.435 |
| 5 | -0.099 | 0.776 | 0.843 | 1.520 |
| 6 | 0.121 | 0.867 | 0.679 | 1.667 |
| 7 | 0.181 | 0.926 | 0.564 | 1.671 |
| 8 | -0.004 | 0.429 | 0.464 | 0.889 |
| 9 | 0.094 | 0.798 | 0.585 | 1.478 |
| 10 | 0.067 | 0.817 | 0.664 | 1.547 |
| 11 | 0.093 | 0.734 | 0.505 | 1.332 |
| 12 | 0.111 | 0.568 | 0.488 | 1.167 |
| 13 | -0.073 | 0.558 | 0.639 | 1.125 |
| Total | 0.008 | 0.664 | 0.642 | 1.314 |

SFATLG-Kumb90-JTT-HN Efficiency Scores

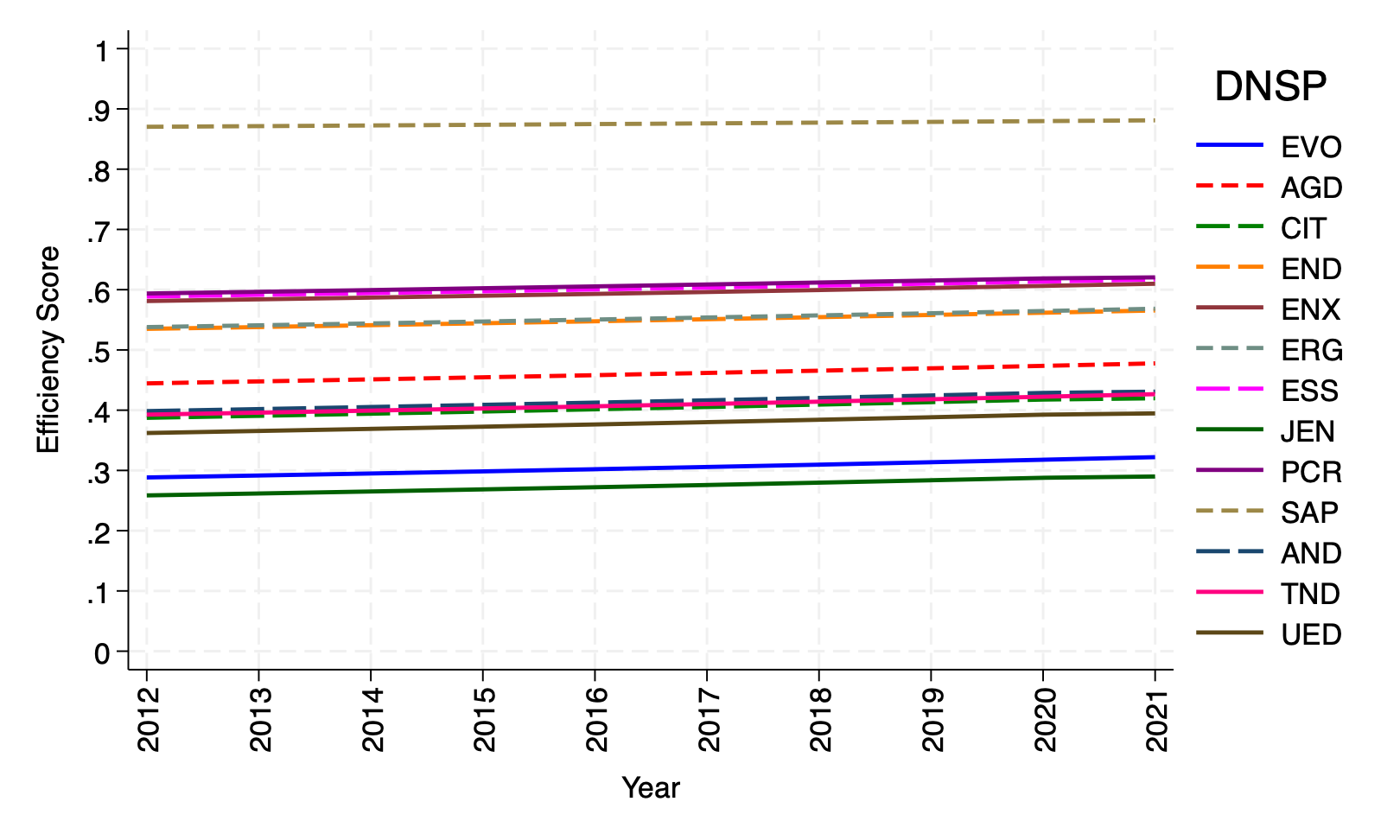
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.304 | 0.335 | 0.276 |
| 2 | 0.460 | 0.507 | 0.418 |
| 3 | 0.404 | 0.445 | 0.366 |
| 4 | 0.550 | 0.606 | 0.499 |
| 5 | 0.595 | 0.656 | 0.540 |
| 6 | 0.553 | 0.609 | 0.501 |
| 7 | 0.602 | 0.664 | 0.546 |
| 8 | 0.274 | 0.302 | 0.249 |
| 9 | 0.607 | 0.669 | 0.551 |
| 10 | 0.876 | 0.963 | 0.795 |
| 11 | 0.415 | 0.457 | 0.376 |
| 12 | 0.409 | 0.451 | 0.371 |
| 13 | 0.379 | 0.417 | 0.343 |
| Total | 0.494 | 0.545 | 0.449 |

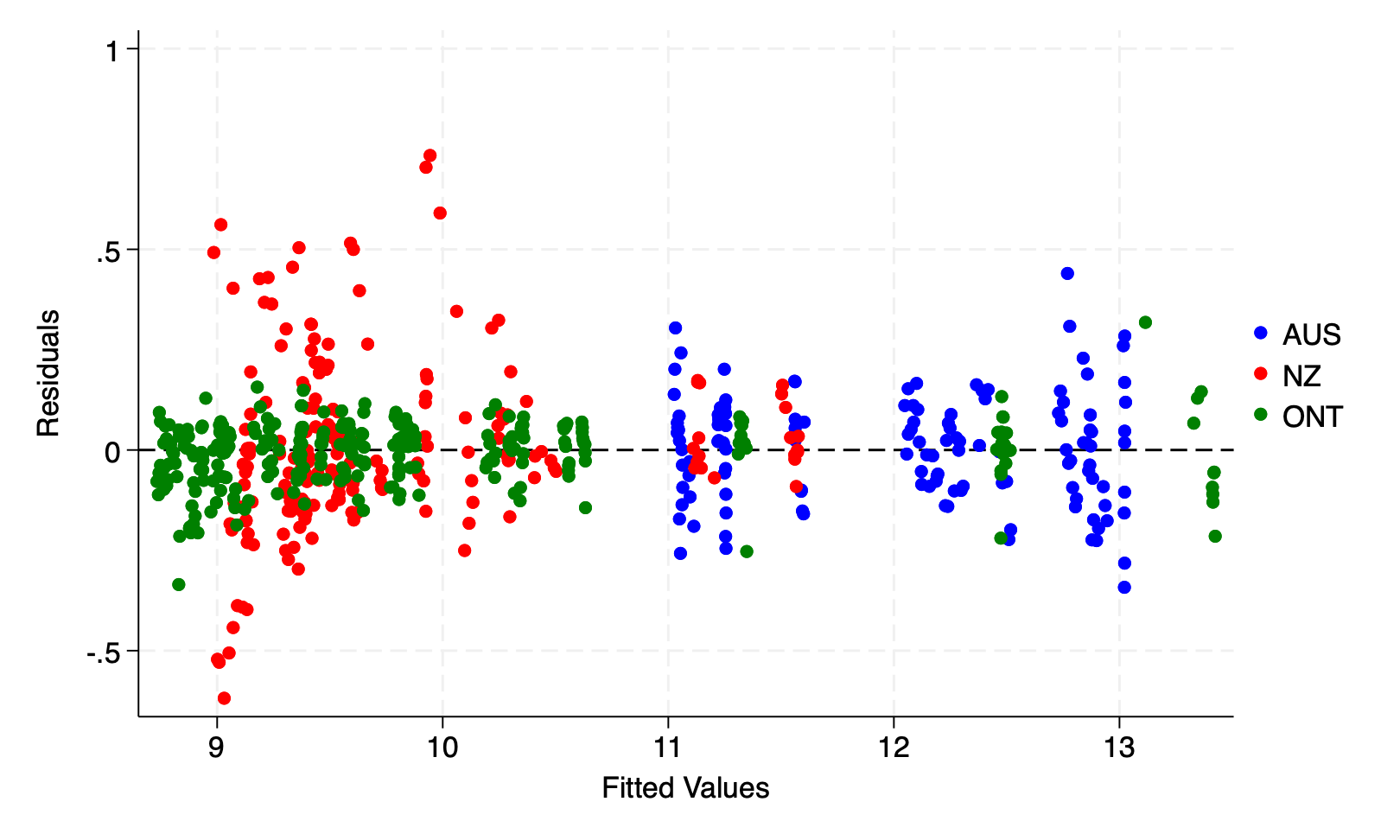
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.494 | 0.545 | 0.449 |
| 2.NZ | 0.828 | 0.878 | 0.816 |
| 3.Ontario | 0.620 | 0.673 | 0.567 |
| Total | 0.658 | 0.710 | 0.616 |

SFATLG-Kumb90-JTT-HN Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 44.6 | 0.0 | 0.0 | 44.6 |
| 2.NZ | 5.3 | 0.0 | 54.7 | 60.0 |
| 3.Ontario | 29.3 | 34.5 | 0.0 | 63.8 |
| Total | 25.1 | 16.4 | 17.0 | 58.5 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 80.0 | 0.0 | 0.0 | 80.0 |
| 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 | 100.0 | 0.0 | 0.0 | 100.0 |
| Total | 44.6 | 0.0 | 0.0 | 44.6 |





SFATLG BC95-JTT-HN Alternative Elasticities (long period)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | 0.119 | 0.179 | 0.187 | 0.485 |
| 2.NZ | 0.119 | 0.343 | 0.303 | 0.765 |
| 3.Ontario | 0.119 | 0.302 | 0.380 | 0.800 |
| Total | 0.119 | 0.288 | 0.315 | 0.722 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.119 | 0.251 | 0.300 | 0.670 |
| 2 | 0.119 | 0.114 | 0.169 | 0.402 |
| 3 | 0.119 | 0.208 | 0.311 | 0.638 |
| 4 | 0.119 | 0.141 | 0.177 | 0.438 |
| 5 | 0.119 | 0.127 | 0.154 | 0.400 |
| 6 | 0.119 | 0.159 | 0.087 | 0.365 |
| 7 | 0.119 | 0.166 | 0.072 | 0.357 |
| 8 | 0.119 | 0.232 | 0.288 | 0.639 |
| 9 | 0.119 | 0.173 | 0.132 | 0.424 |
| 10 | 0.119 | 0.160 | 0.121 | 0.400 |
| 11 | 0.119 | 0.190 | 0.165 | 0.473 |
| 12 | 0.119 | 0.224 | 0.208 | 0.551 |
| 13 | 0.119 | 0.185 | 0.243 | 0.547 |
| Total | 0.119 | 0.179 | 0.187 | 0.485 |

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| 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 |