SFA-Kumb90-JTT-HN - long period

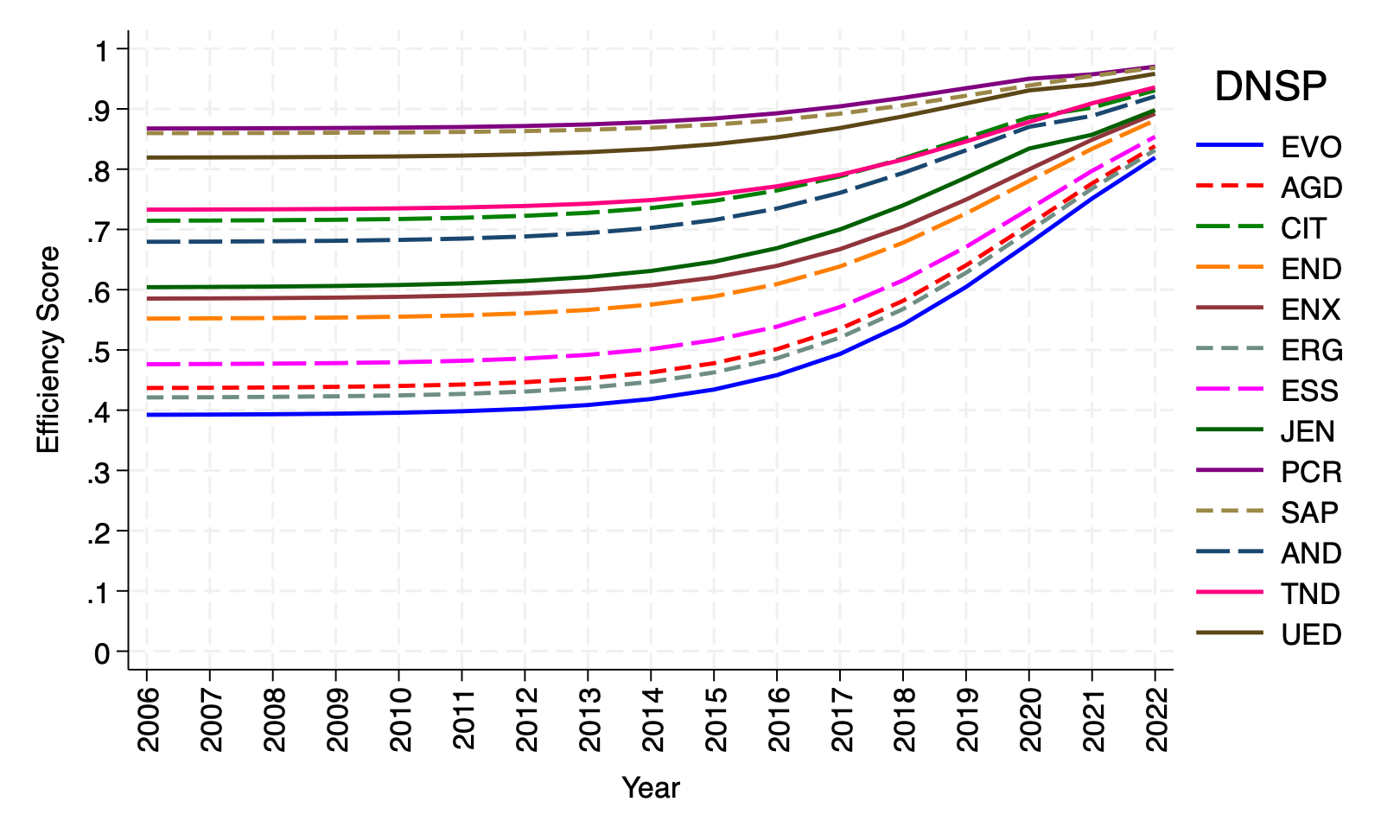
SFACD-Kumb90-JTT-HN Elasticities

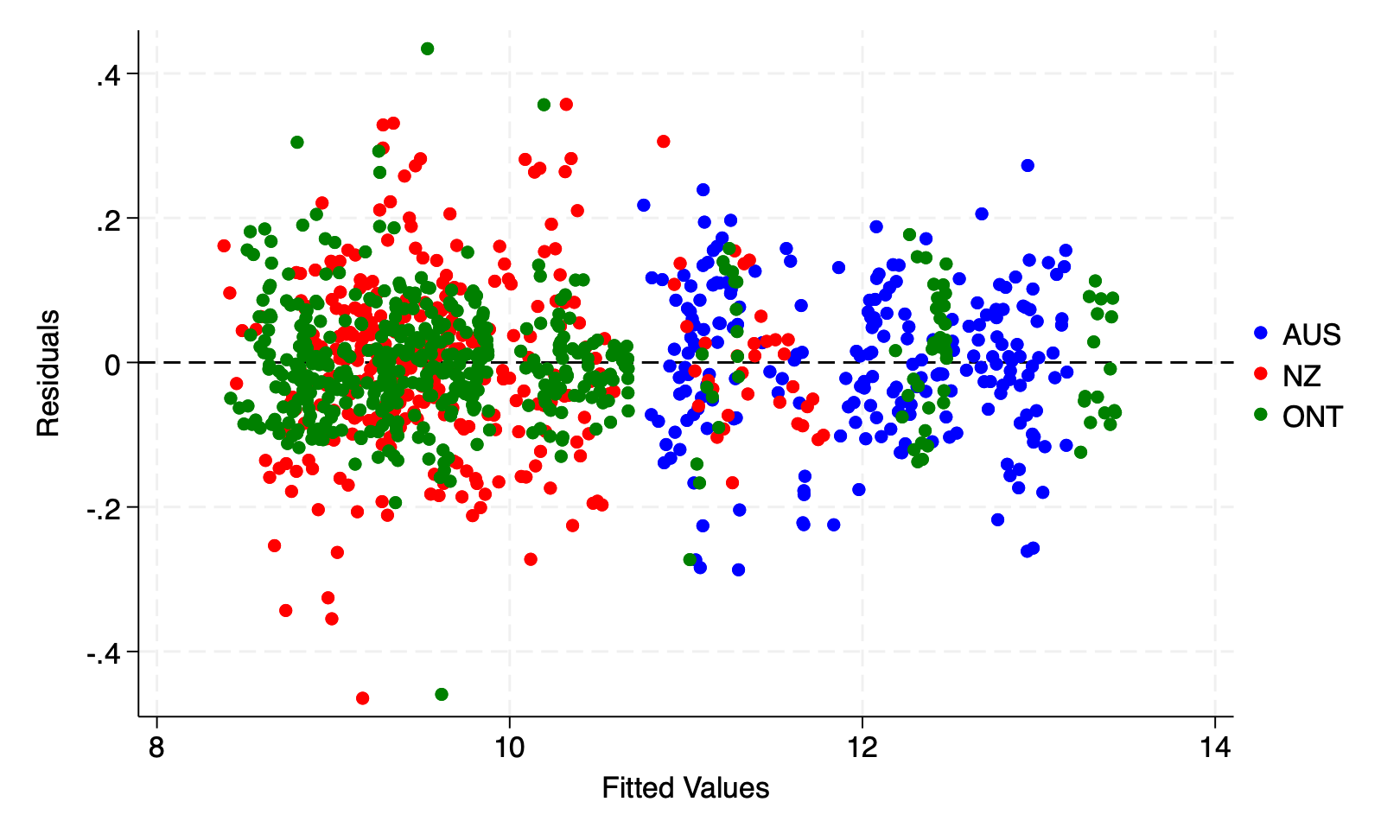
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.502 | 0.190 | 0.278 | 0.970 |
| 2.NZ | 0.502 | 0.190 | 0.278 | 0.970 |
| 3.Ontario | 0.502 | 0.190 | 0.278 | 0.970 |
| Total | 0.502 | 0.190 | 0.278 | 0.970 |

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 | 0.665 |
| 2.NZ | 0.774 | 0.811 | 0.738 |
| 3.Ontario | 0.751 | 0.786 | 0.717 |
| Total | 0.746 | 0.781 | 0.712 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.493 | 0.514 | 0.472 |
| 2 | 0.533 | 0.556 | 0.510 |
| 3 | 0.775 | 0.811 | 0.741 |
| 4 | 0.633 | 0.662 | 0.606 |
| 5 | 0.661 | 0.692 | 0.633 |
| 6 | 0.519 | 0.541 | 0.497 |
| 7 | 0.567 | 0.593 | 0.543 |
| 8 | 0.684 | 0.715 | 0.655 |
| 9 | 0.897 | 0.939 | 0.857 |
| 10 | 0.888 | 0.930 | 0.848 |
| 11 | 0.746 | 0.781 | 0.714 |
| 12 | 0.785 | 0.821 | 0.750 |
| 13 | 0.859 | 0.899 | 0.821 |
| Total | 0.695 | 0.727 | 0.665 |





SFATLG-Kumb90-JTT-HN-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.531 | 0.242 | 0.168 | 0.941 |
| 2.NZ | 0.456 | 0.274 | 0.291 | 1.021 |
| 3.Ontario | 0.529 | 0.161 | 0.291 | 0.981 |
| Total | 0.507 | 0.213 | 0.265 | 0.985 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.610 | 0.171 | 0.184 | 0.966 |
| 2 | 0.660 | 0.175 | 0.068 | 0.903 |
| 3 | 0.715 | 0.102 | 0.120 | 0.936 |
| 4 | 0.503 | 0.233 | 0.183 | 0.919 |
| 5 | 0.588 | 0.218 | 0.109 | 0.915 |
| 6 | 0.102 | 0.439 | 0.402 | 0.944 |
| 7 | 0.264 | 0.408 | 0.280 | 0.952 |
| 8 | 0.842 | 0.099 | 0.016 | 0.956 |
| 9 | 0.447 | 0.308 | 0.191 | 0.946 |
| 10 | 0.369 | 0.331 | 0.239 | 0.939 |
| 11 | 0.621 | 0.240 | 0.091 | 0.952 |
| 12 | 0.361 | 0.302 | 0.299 | 0.963 |
| 13 | 0.818 | 0.114 | 0.004 | 0.936 |
| Total | 0.531 | 0.242 | 0.168 | 0.941 |

SFATLG-Kumb90-JTT-HN Efficiency Scores

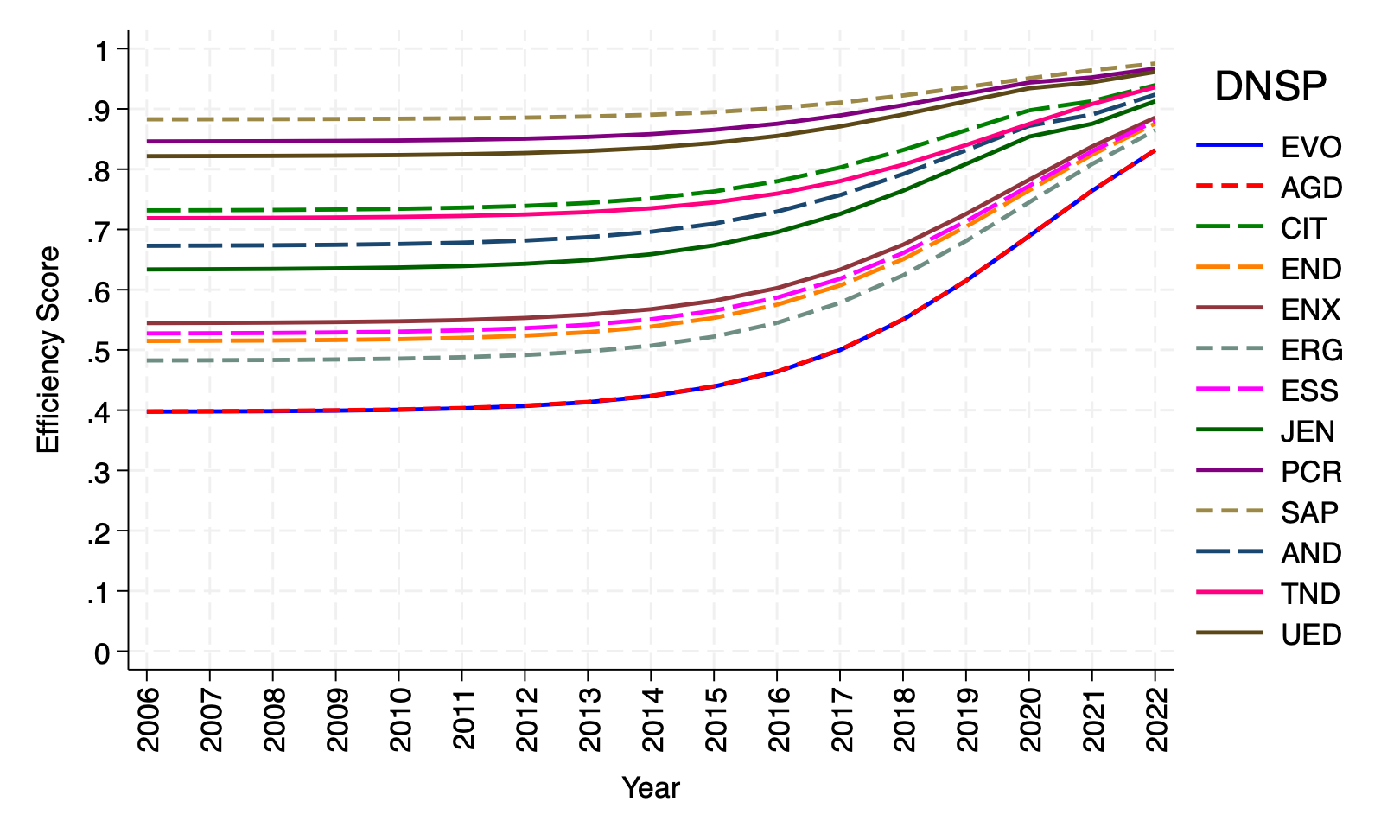
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.500 | 0.521 | 0.479 |
| 2 | 0.500 | 0.522 | 0.480 |
| 3 | 0.790 | 0.826 | 0.755 |
| 4 | 0.603 | 0.629 | 0.577 |
| 5 | 0.628 | 0.656 | 0.602 |
| 6 | 0.575 | 0.600 | 0.551 |
| 7 | 0.613 | 0.641 | 0.588 |
| 8 | 0.710 | 0.742 | 0.680 |
| 9 | 0.880 | 0.921 | 0.842 |
| 10 | 0.907 | 0.949 | 0.867 |
| 11 | 0.742 | 0.776 | 0.710 |
| 12 | 0.774 | 0.810 | 0.740 |
| 13 | 0.861 | 0.901 | 0.823 |
| Total | 0.699 | 0.730 | 0.669 |

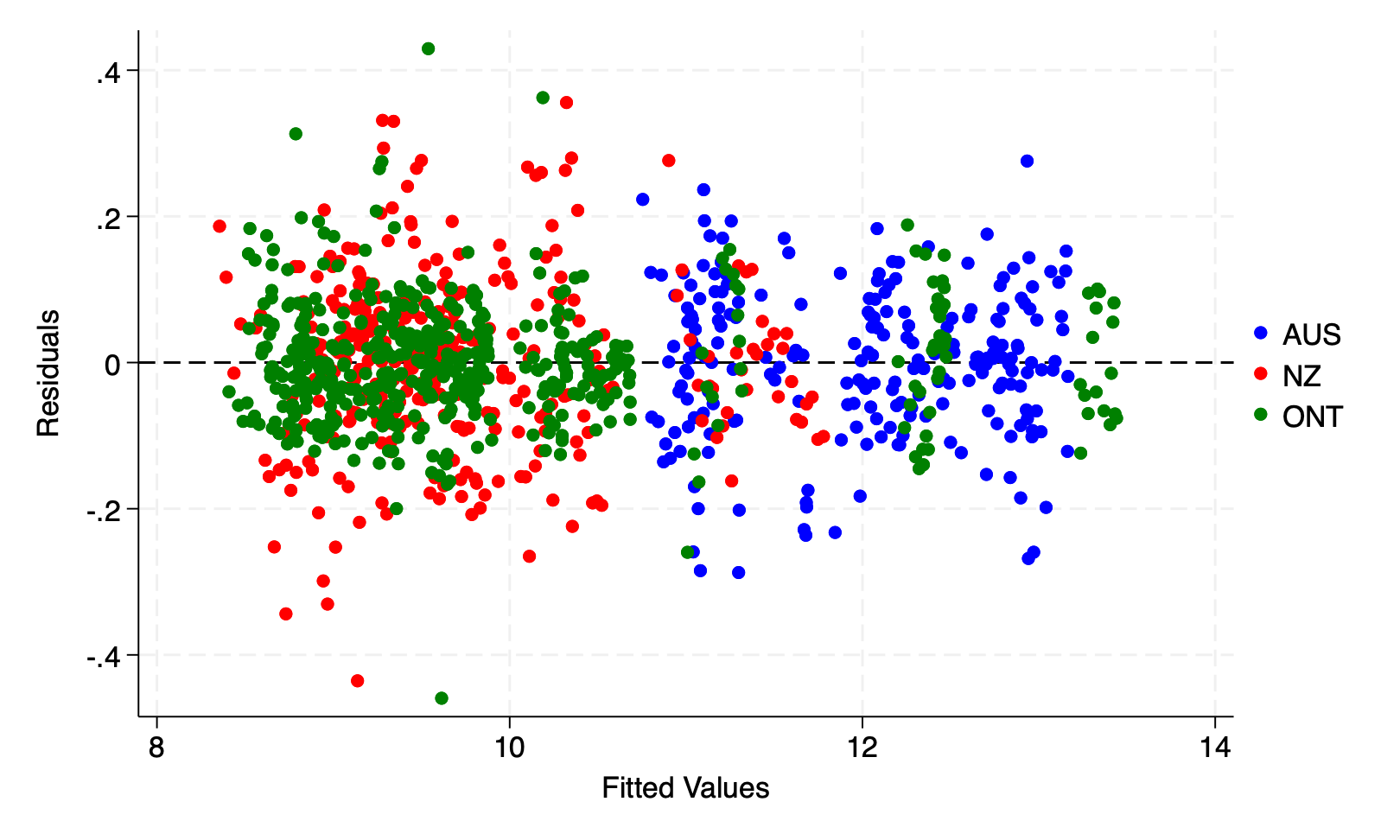
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.699 | 0.730 | 0.669 |
| 2.NZ | 0.761 | 0.797 | 0.726 |
| 3.Ontario | 0.733 | 0.768 | 0.700 |
| Total | 0.735 | 0.769 | 0.701 |

SFATLG-Kumb90-JTT-HN Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 0.0 | 0.0 | 5.9 | 5.9 |
| 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 | 1.3 | 1.3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 | 35.3 | 35.3 |
| 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 | 41.2 | 41.2 |
| Total | 0.0 | 0.0 | 5.9 | 5.9 |





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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | 0.057 | 0.045 | 0.265 | 0.367 |
| 2.NZ | 0.465 | 0.374 | 0.265 | 1.103 |
| 3.Ontario | 0.736 | 0.184 | 0.265 | 1.184 |
| Total | 0.507 | 0.213 | 0.265 | 0.985 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.459 | 0.108 | 0.265 | 0.832 |
| 2 | -0.004 | -0.141 | 0.265 | 0.119 |
| 3 | 0.496 | -0.043 | 0.265 | 0.718 |
| 4 | 0.026 | -0.032 | 0.265 | 0.259 |
| 5 | -0.057 | -0.072 | 0.265 | 0.135 |
| 6 | -0.298 | 0.205 | 0.265 | 0.172 |
| 7 | -0.349 | 0.188 | 0.265 | 0.104 |
| 8 | 0.416 | -0.004 | 0.265 | 0.677 |
| 9 | -0.137 | 0.101 | 0.265 | 0.228 |
| 10 | -0.175 | 0.099 | 0.265 | 0.188 |
| 11 | -0.021 | 0.062 | 0.265 | 0.306 |
| 12 | 0.132 | 0.185 | 0.265 | 0.582 |
| 13 | 0.253 | -0.072 | 0.265 | 0.446 |
| Total | 0.057 | 0.045 | 0.265 | 0.367 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 51.6 | 42.5 | 0.0 | 81.0 |
| 2.NZ | 0.0 | 0.3 | 0.0 | 0.3 |
| 3.Ontario | 3.4 | 8.9 | 0.0 | 12.4 |
| Total | 12.6 | 13.4 | 0.0 | 23.2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 70.6 | 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 | 100.0 | 100.0 | 0.0 | 100.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 100.0 | 0.0 | 0.0 | 100.0 |
| 8 | 0.0 | 52.9 | 0.0 | 52.9 |
| 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 100.0 | 0.0 | 100.0 |
| Total | 51.6 | 42.5 | 0.0 | 81.0 |