SFA-Kumb90-JTT-HN - long period

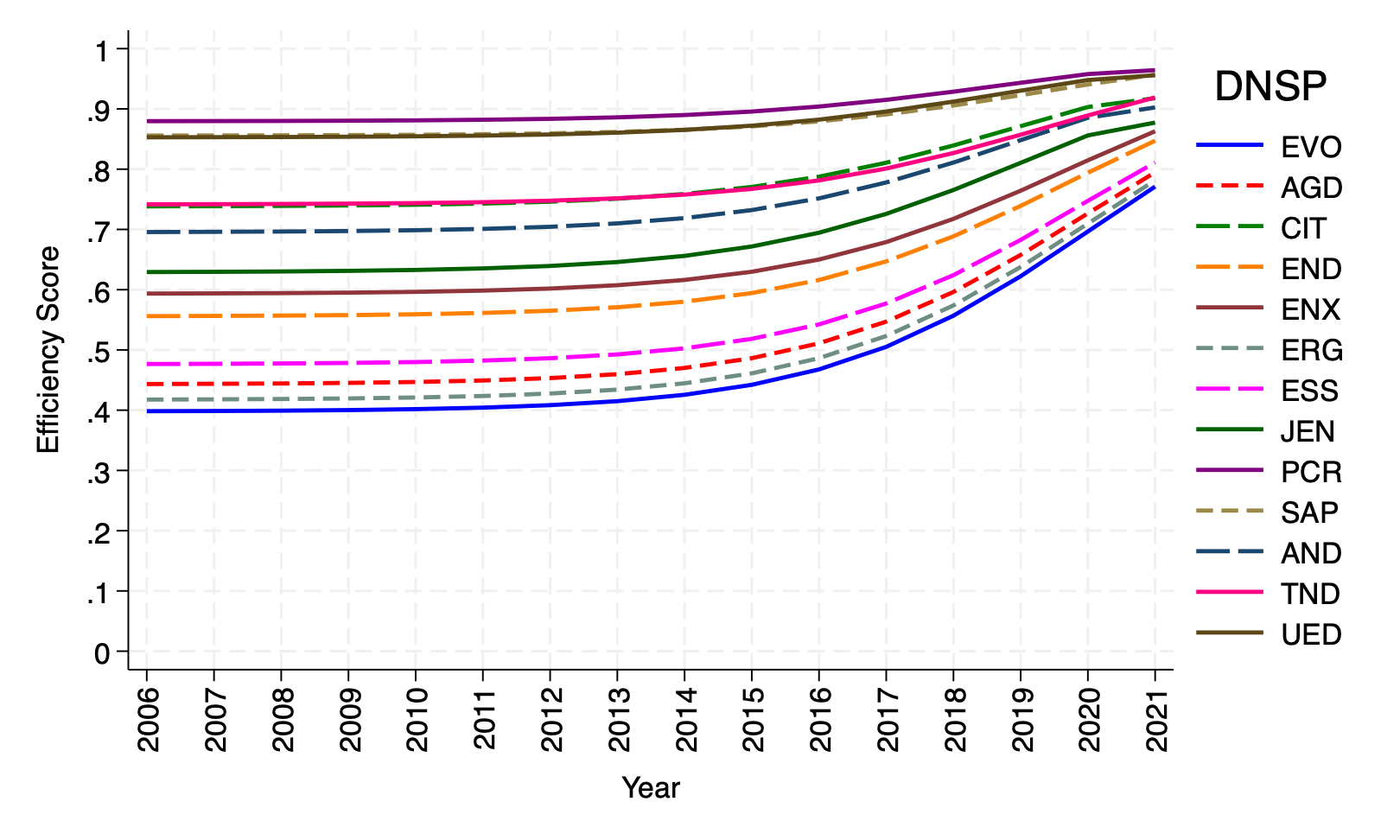
SFACD-Kumb90-JTT-HN Elasticities

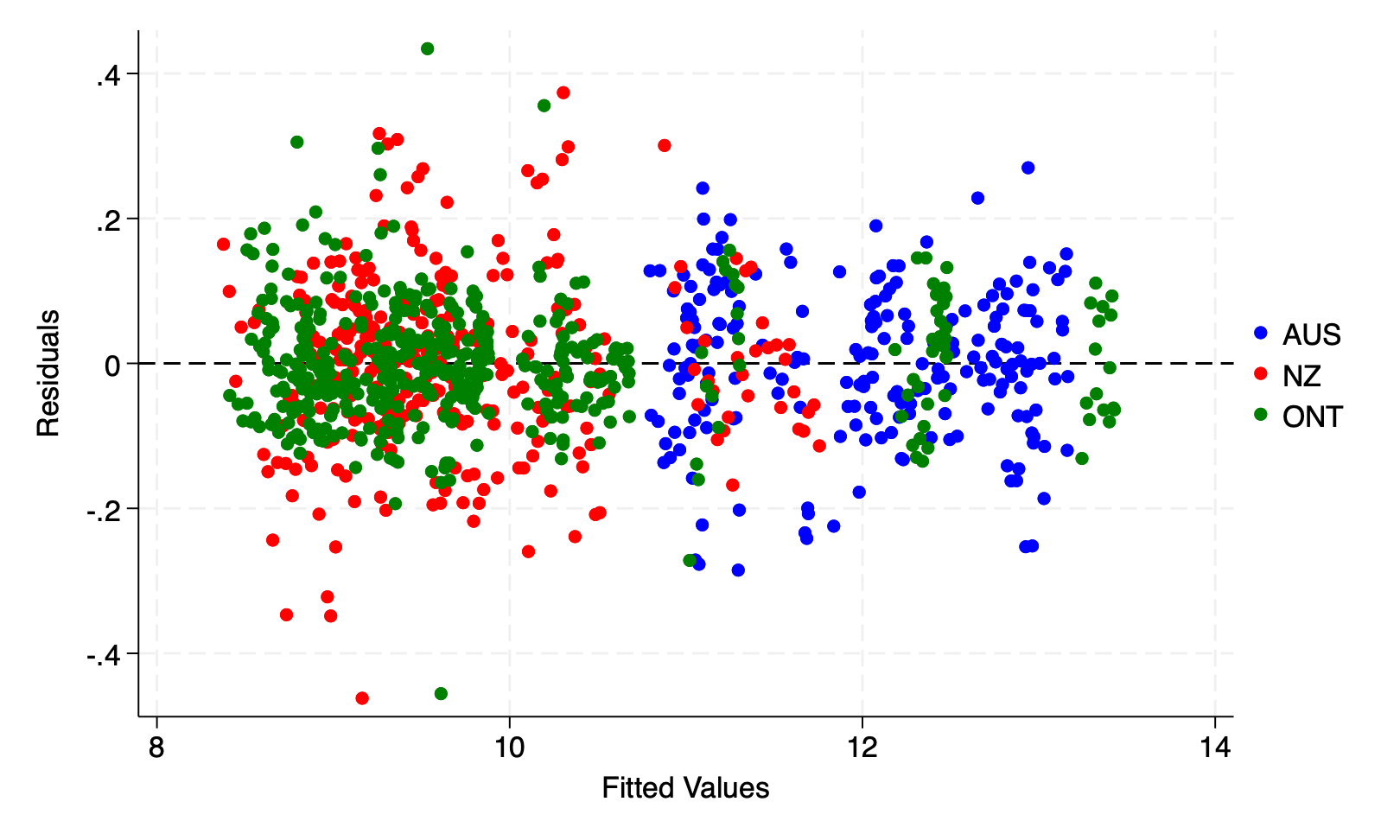
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.547 | 0.165 | 0.257 | 0.969 |
| 2.NZ | 0.547 | 0.165 | 0.257 | 0.969 |
| 3.Ontario | 0.547 | 0.165 | 0.257 | 0.969 |
| Total | 0.547 | 0.165 | 0.257 | 0.969 |

SFACD-Kumb90-JTT-HN Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.694 | 0.728 | 0.662 |
| 2.NZ | 0.779 | 0.816 | 0.741 |
| 3.Ontario | 0.758 | 0.795 | 0.722 |
| Total | 0.751 | 0.787 | 0.715 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.482 | 0.505 | 0.461 |
| 2 | 0.523 | 0.548 | 0.500 |
| 3 | 0.787 | 0.826 | 0.751 |
| 4 | 0.624 | 0.654 | 0.596 |
| 5 | 0.657 | 0.689 | 0.627 |
| 6 | 0.500 | 0.523 | 0.478 |
| 7 | 0.554 | 0.580 | 0.529 |
| 8 | 0.696 | 0.729 | 0.664 |
| 9 | 0.903 | 0.948 | 0.861 |
| 10 | 0.881 | 0.925 | 0.839 |
| 11 | 0.752 | 0.788 | 0.717 |
| 12 | 0.785 | 0.823 | 0.748 |
| 13 | 0.881 | 0.925 | 0.840 |
| Total | 0.694 | 0.728 | 0.662 |





SFATLG-Kumb90-JTT-HN-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.636 | 0.227 | 0.102 | 0.966 |
| 2.NZ | 0.493 | 0.261 | 0.248 | 1.002 |
| 3.Ontario | 0.558 | 0.123 | 0.274 | 0.955 |
| Total | 0.555 | 0.188 | 0.229 | 0.972 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.719 | 0.132 | 0.112 | 0.963 |
| 2 | 0.836 | 0.141 | -0.034 | 0.943 |
| 3 | 0.869 | 0.044 | 0.027 | 0.940 |
| 4 | 0.589 | 0.220 | 0.139 | 0.949 |
| 5 | 0.733 | 0.198 | 0.023 | 0.954 |
| 6 | 0.013 | 0.494 | 0.470 | 0.977 |
| 7 | 0.278 | 0.445 | 0.269 | 0.993 |
| 8 | 1.078 | 0.032 | -0.145 | 0.965 |
| 9 | 0.529 | 0.314 | 0.137 | 0.980 |
| 10 | 0.413 | 0.347 | 0.214 | 0.974 |
| 11 | 0.790 | 0.219 | -0.026 | 0.983 |
| 12 | 0.367 | 0.309 | 0.297 | 0.973 |
| 13 | 1.059 | 0.054 | -0.154 | 0.958 |
| Total | 0.636 | 0.227 | 0.102 | 0.966 |

SFATLG-Kumb90-JTT-HN Efficiency Scores

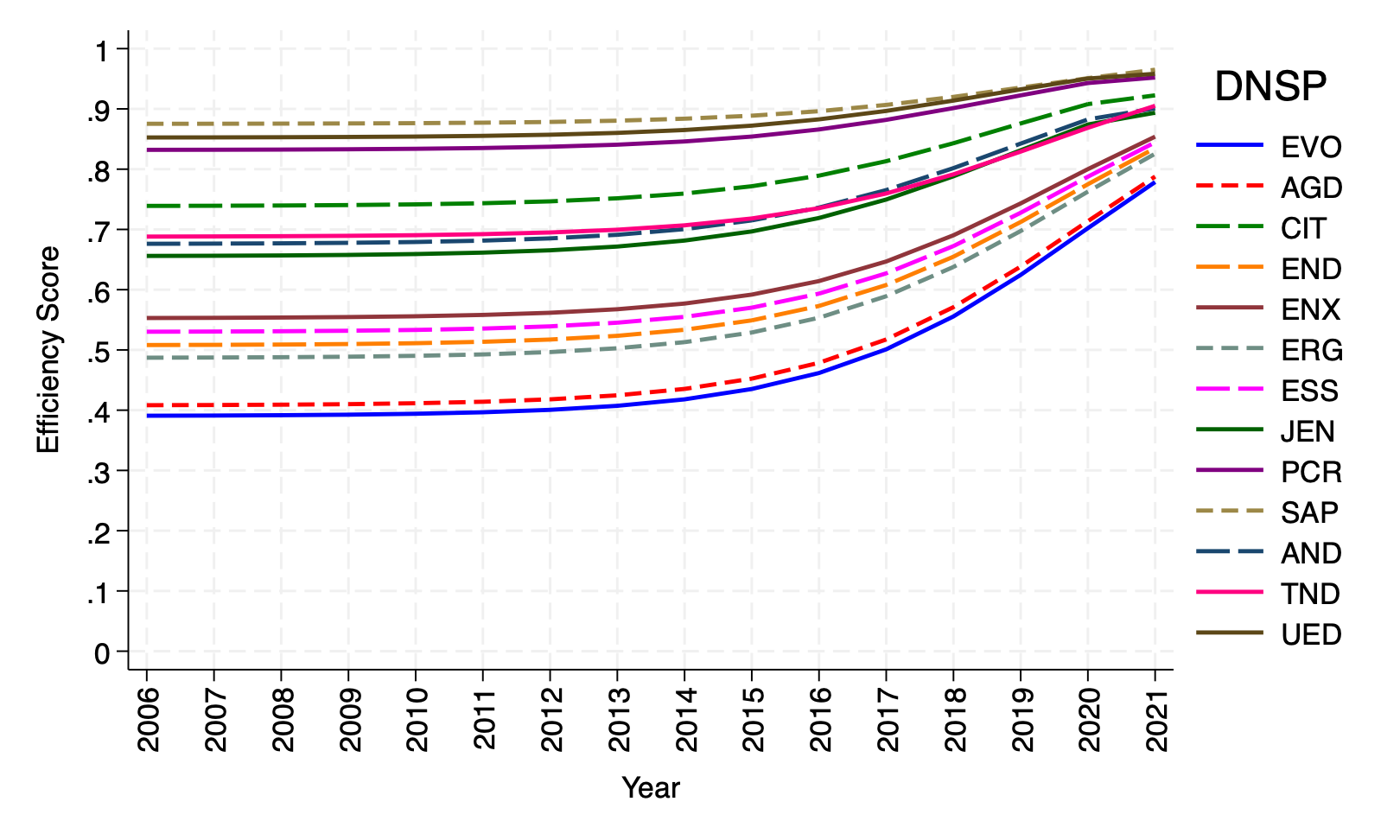
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.478 | 0.499 | 0.457 |
| 2 | 0.494 | 0.516 | 0.472 |
| 3 | 0.789 | 0.827 | 0.753 |
| 4 | 0.584 | 0.611 | 0.558 |
| 5 | 0.623 | 0.653 | 0.595 |
| 6 | 0.565 | 0.592 | 0.540 |
| 7 | 0.603 | 0.632 | 0.576 |
| 8 | 0.720 | 0.754 | 0.688 |
| 9 | 0.865 | 0.907 | 0.826 |
| 10 | 0.898 | 0.942 | 0.856 |
| 11 | 0.737 | 0.772 | 0.704 |
| 12 | 0.740 | 0.776 | 0.707 |
| 13 | 0.882 | 0.925 | 0.841 |
| Total | 0.691 | 0.723 | 0.659 |

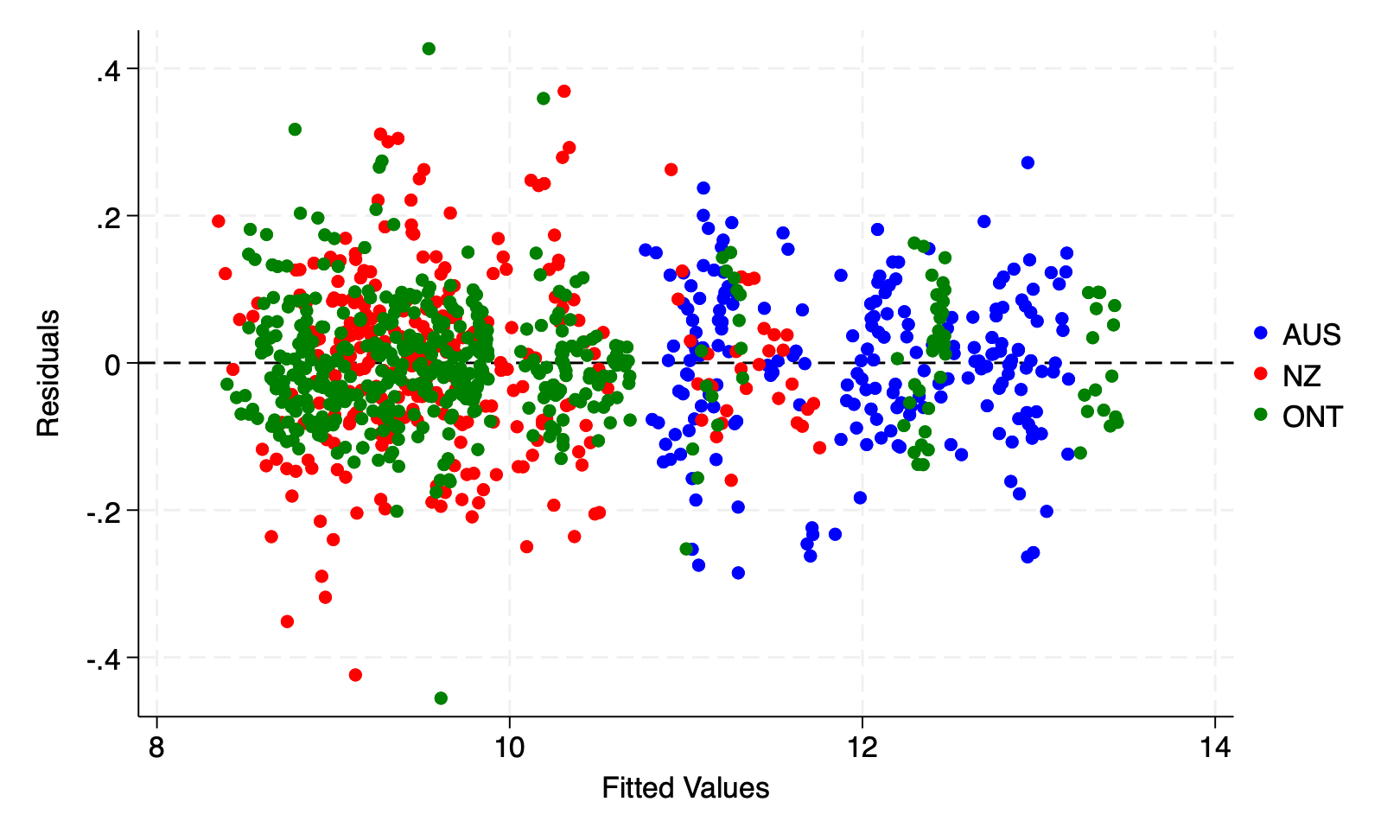
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.691 | 0.723 | 0.659 |
| 2.NZ | 0.769 | 0.806 | 0.732 |
| 3.Ontario | 0.754 | 0.791 | 0.719 |
| Total | 0.745 | 0.781 | 0.710 |

SFATLG-Kumb90-JTT-HN Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 3.4 | 0.0 | 30.8 | 34.1 |
| 2.NZ | 6.6 | 0.0 | 5.3 | 11.8 |
| 3.Ontario | 0.0 | 0.0 | 0.0 | 0.0 |
| Total | 2.8 | 0.0 | 8.2 | 11.0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 100.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 31.2 | 31.2 |
| 6 | 43.8 | 0.0 | 0.0 | 43.8 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 100.0 | 100.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 68.8 | 68.8 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 100.0 | 100.0 |
| Total | 3.4 | 0.0 | 30.8 | 34.1 |





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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.083 | -0.072 | 0.229 | 0.073 |
| 2.NZ | 0.495 | 0.413 | 0.229 | 1.138 |
| 3.Ontario | 0.880 | 0.157 | 0.229 | 1.266 |
| Total | 0.555 | 0.188 | 0.229 | 0.972 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.489 | 0.037 | 0.229 | 0.755 |
| 2 | -0.170 | -0.340 | 0.229 | -0.281 |
| 3 | 0.540 | -0.177 | 0.229 | 0.593 |
| 4 | -0.126 | -0.183 | 0.229 | -0.080 |
| 5 | -0.245 | -0.244 | 0.229 | -0.260 |
| 6 | -0.587 | 0.137 | 0.229 | -0.221 |
| 7 | -0.661 | 0.112 | 0.229 | -0.320 |
| 8 | 0.427 | -0.124 | 0.229 | 0.532 |
| 9 | -0.360 | -0.001 | 0.229 | -0.132 |
| 10 | -0.413 | -0.007 | 0.229 | -0.192 |
| 11 | -0.193 | -0.051 | 0.229 | -0.015 |
| 12 | 0.023 | 0.130 | 0.229 | 0.382 |
| 13 | 0.195 | -0.229 | 0.229 | 0.194 |
| Total | -0.083 | -0.072 | 0.229 | 0.073 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 61.5 | 63.9 | 0.0 | 85.1 |
| 2.NZ | 5.3 | 5.3 | 0.0 | 10.5 |
| 3.Ontario | 3.4 | 15.3 | 0.0 | 15.3 |
| Total | 16.4 | 22.5 | 0.0 | 28.7 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 6.2 | 0.0 | 6.2 |
| 2 | 100.0 | 100.0 | 0.0 | 100.0 |
| 3 | 0.0 | 100.0 | 0.0 | 100.0 |
| 4 | 100.0 | 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 | 100.0 | 0.0 | 100.0 |
| 9 | 100.0 | 50.0 | 0.0 | 100.0 |
| 10 | 100.0 | 75.0 | 0.0 | 100.0 |
| 11 | 100.0 | 100.0 | 0.0 | 100.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 100.0 | 0.0 | 100.0 |
| Total | 61.5 | 63.9 | 0.0 | 85.1 |