SFA-Kumb90-JTT-HN - short period

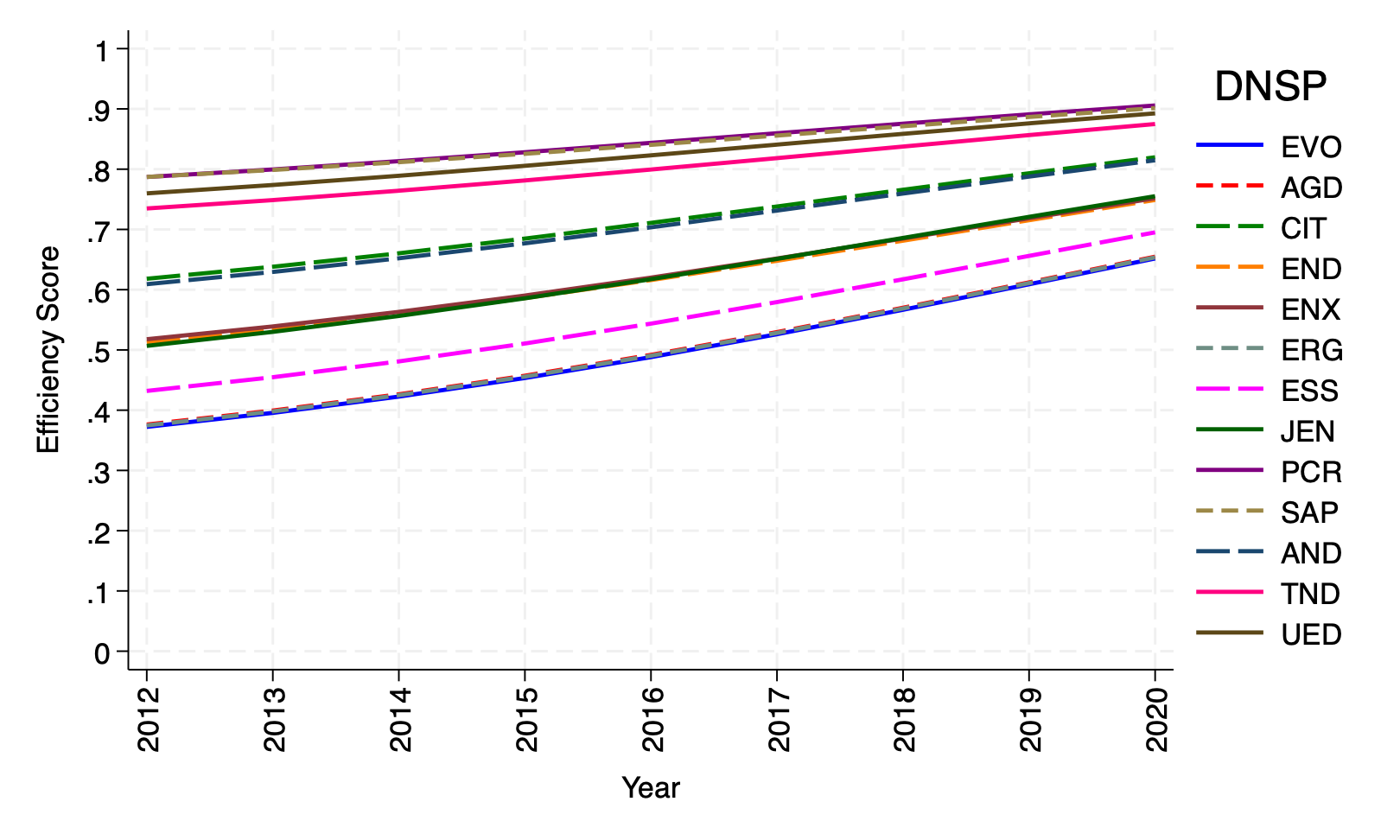
SFACD-Kumb90-JTT-HN Elasticities

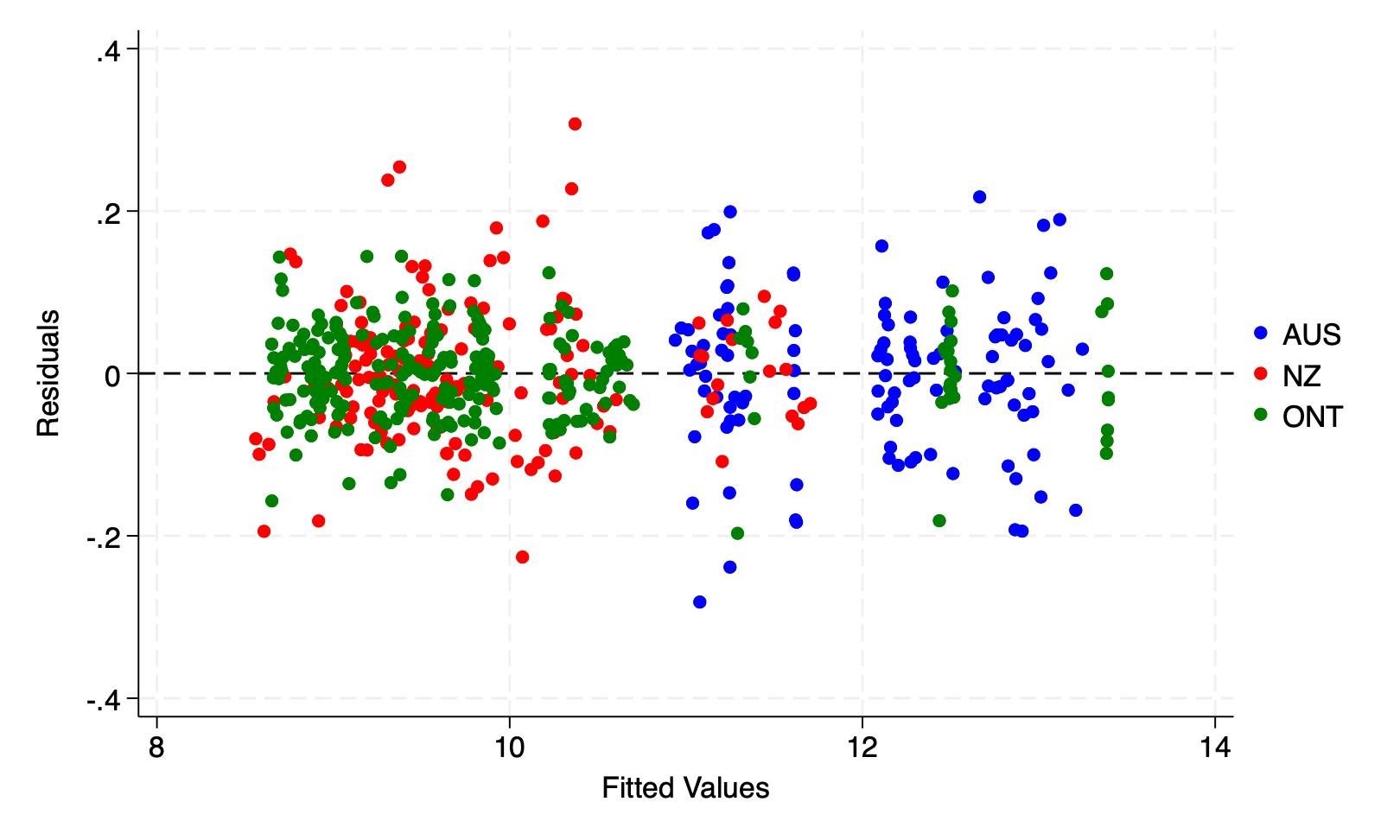
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.514 | 0.263 | 0.147 | 0.924 |
| 2.NZ | 0.514 | 0.263 | 0.147 | 0.924 |
| 3.Ontario | 0.514 | 0.263 | 0.147 | 0.924 |
| Total | 0.514 | 0.263 | 0.147 | 0.924 |

SFACD-Kumb90-JTT-HN Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.666 | 0.698 | 0.635 |
| 2.NZ | 0.731 | 0.767 | 0.696 |
| 3.Ontario | 0.766 | 0.803 | 0.729 |
| Total | 0.734 | 0.769 | 0.699 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.498 | 0.522 | 0.476 |
| 2 | 0.502 | 0.526 | 0.479 |
| 3 | 0.714 | 0.749 | 0.681 |
| 4 | 0.622 | 0.653 | 0.594 |
| 5 | 0.626 | 0.657 | 0.598 |
| 6 | 0.501 | 0.524 | 0.478 |
| 7 | 0.552 | 0.579 | 0.527 |
| 8 | 0.623 | 0.653 | 0.595 |
| 9 | 0.845 | 0.886 | 0.805 |
| 10 | 0.842 | 0.884 | 0.803 |
| 11 | 0.707 | 0.741 | 0.675 |
| 12 | 0.802 | 0.841 | 0.764 |
| 13 | 0.824 | 0.865 | 0.786 |
| Total | 0.666 | 0.698 | 0.635 |





SFATLG-Kumb90-JTT-HN-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.452 | 0.345 | 0.118 | 0.915 |
| 2.NZ | 0.611 | 0.415 | -0.072 | 0.954 |
| 3.Ontario | 0.365 | 0.130 | 0.434 | 0.929 |
| Total | 0.460 | 0.264 | 0.209 | 0.934 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.527 | 0.202 | 0.189 | 0.918 |
| 2 | 0.453 | 0.225 | 0.212 | 0.890 |
| 3 | 0.505 | 0.064 | 0.328 | 0.897 |
| 4 | 0.280 | 0.298 | 0.330 | 0.908 |
| 5 | 0.435 | 0.306 | 0.159 | 0.900 |
| 6 | -0.015 | 0.639 | 0.327 | 0.951 |
| 7 | 0.286 | 0.655 | 0.002 | 0.944 |
| 8 | 0.867 | 0.134 | -0.105 | 0.896 |
| 9 | 0.461 | 0.481 | -0.017 | 0.925 |
| 10 | 0.303 | 0.499 | 0.126 | 0.929 |
| 11 | 0.716 | 0.396 | -0.199 | 0.913 |
| 12 | 0.301 | 0.422 | 0.214 | 0.937 |
| 13 | 0.764 | 0.157 | -0.031 | 0.890 |
| Total | 0.452 | 0.345 | 0.118 | 0.915 |

SFATLG-Kumb90-JTT-HN Efficiency Scores

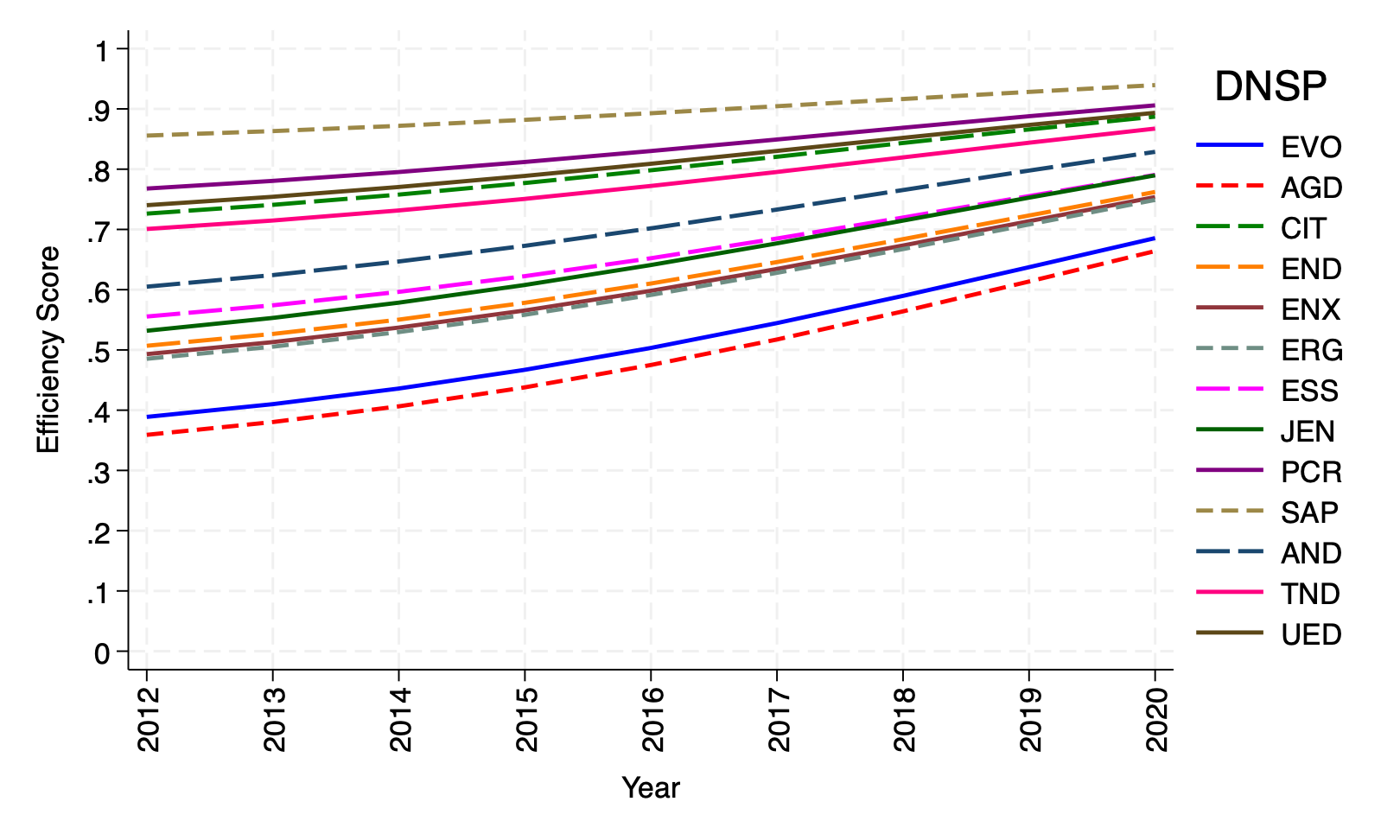
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.518 | 0.542 | 0.495 |
| 2 | 0.491 | 0.514 | 0.469 |
| 3 | 0.802 | 0.841 | 0.765 |
| 4 | 0.621 | 0.650 | 0.593 |
| 5 | 0.609 | 0.638 | 0.582 |
| 6 | 0.603 | 0.631 | 0.575 |
| 7 | 0.661 | 0.693 | 0.631 |
| 8 | 0.650 | 0.680 | 0.620 |
| 9 | 0.833 | 0.873 | 0.795 |
| 10 | 0.895 | 0.939 | 0.853 |
| 11 | 0.708 | 0.742 | 0.676 |
| 12 | 0.777 | 0.815 | 0.742 |
| 13 | 0.812 | 0.852 | 0.775 |
| Total | 0.691 | 0.724 | 0.659 |

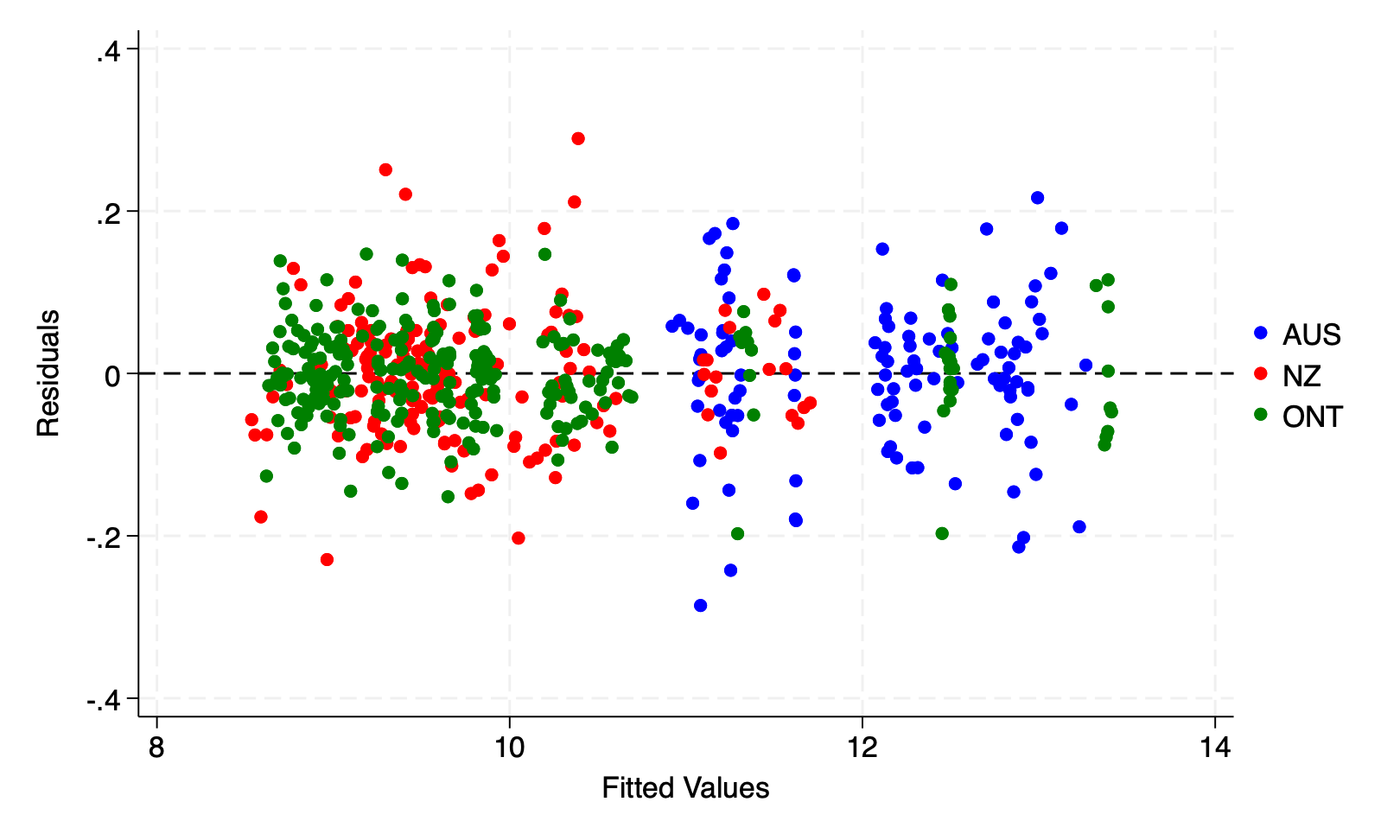
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.691 | 0.724 | 0.659 |
| 2.NZ | 0.777 | 0.815 | 0.740 |
| 3.Ontario | 0.799 | 0.837 | 0.761 |
| Total | 0.769 | 0.806 | 0.733 |

SFATLG-Kumb90-JTT-HN Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 4.3 | 0.0 | 29.9 | 34.2 |
| 2.NZ | 0.0 | 0.0 | 60.8 | 60.8 |
| 3.Ontario | 4.2 | 4.6 | 0.0 | 8.8 |
| Total | 2.9 | 2.2 | 25.3 | 30.4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 | 55.6 | 0.0 | 0.0 | 55.6 |
| 7 | 0.0 | 0.0 | 44.4 | 44.4 |
| 8 | 0.0 | 0.0 | 100.0 | 100.0 |
| 9 | 0.0 | 0.0 | 55.6 | 55.6 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 100.0 | 100.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 88.9 | 88.9 |
| Total | 4.3 | 0.0 | 29.9 | 34.2 |





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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | 0.460 | 0.257 | 0.201 | 0.918 |
| 2.NZ | 0.460 | 0.268 | 0.208 | 0.936 |
| 3.Ontario | 0.460 | 0.265 | 0.213 | 0.939 |
| Total | 0.460 | 0.264 | 0.209 | 0.934 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.460 | 0.262 | 0.208 | 0.930 |
| 2 | 0.460 | 0.253 | 0.199 | 0.913 |
| 3 | 0.460 | 0.259 | 0.209 | 0.928 |
| 4 | 0.460 | 0.255 | 0.200 | 0.915 |
| 5 | 0.460 | 0.254 | 0.198 | 0.913 |
| 6 | 0.460 | 0.256 | 0.194 | 0.910 |
| 7 | 0.460 | 0.257 | 0.193 | 0.910 |
| 8 | 0.460 | 0.261 | 0.207 | 0.928 |
| 9 | 0.460 | 0.257 | 0.197 | 0.914 |
| 10 | 0.460 | 0.256 | 0.196 | 0.913 |
| 11 | 0.460 | 0.258 | 0.199 | 0.917 |
| 12 | 0.460 | 0.260 | 0.202 | 0.922 |
| 13 | 0.460 | 0.258 | 0.204 | 0.922 |
| Total | 0.460 | 0.257 | 0.201 | 0.918 |

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 |