SFA-Kumb90-JTT-HN - long period

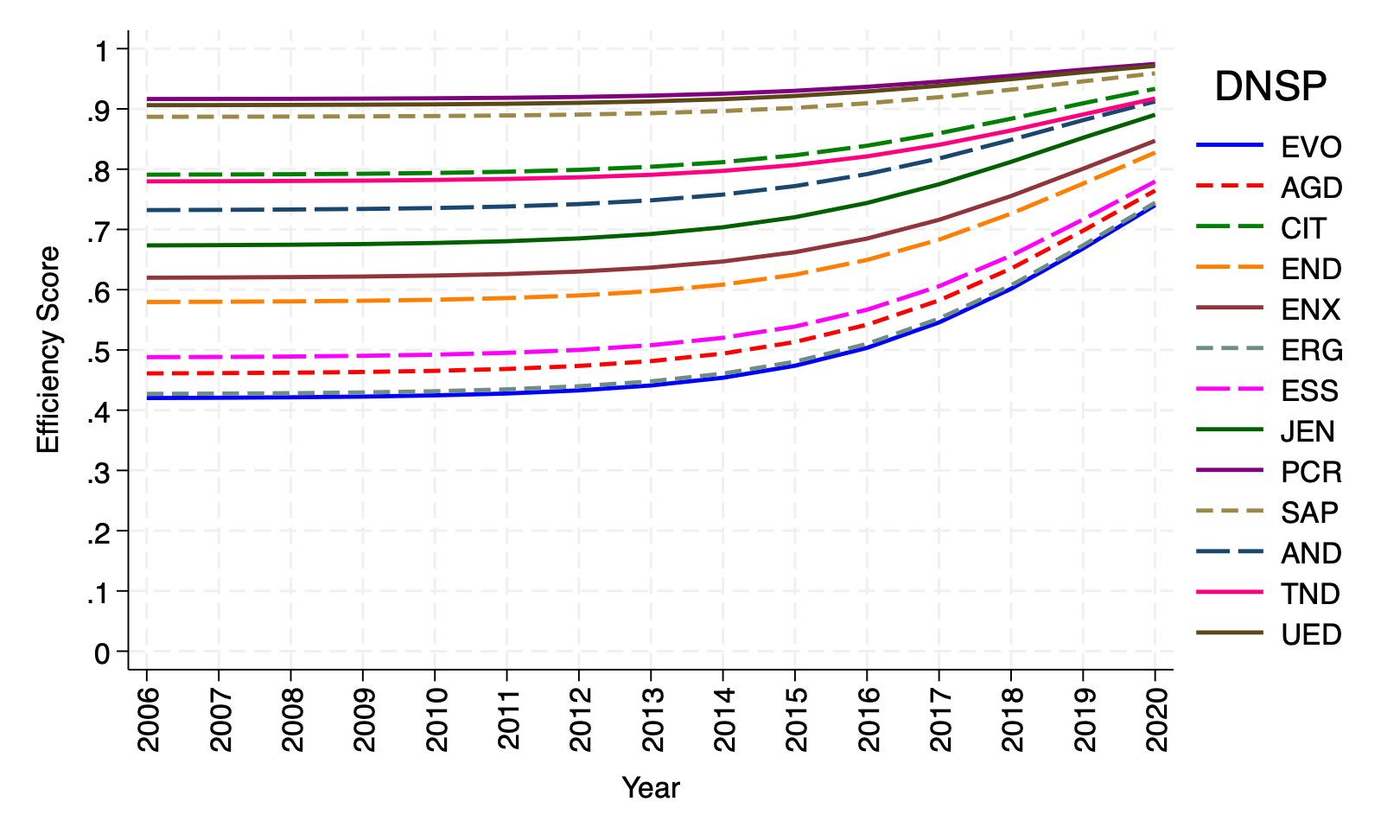
SFACD-Kumb90-JTT-HN Elasticities

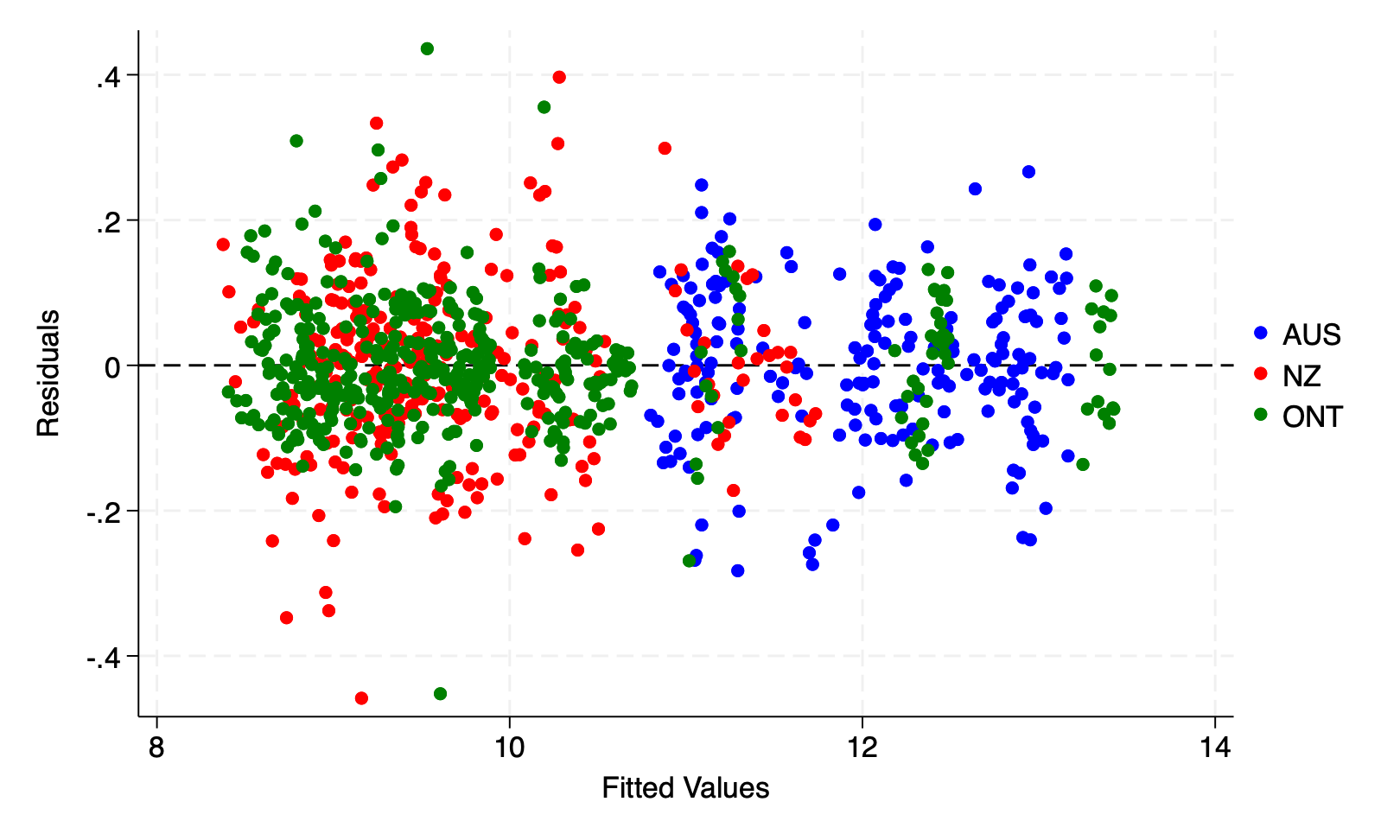
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.563 | 0.149 | 0.253 | 0.964 |
| 2.NZ | 0.563 | 0.149 | 0.253 | 0.964 |
| 3.Ontario | 0.563 | 0.149 | 0.253 | 0.964 |
| Total | 0.563 | 0.149 | 0.253 | 0.964 |

SFACD-Kumb90-JTT-HN Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.715 | 0.752 | 0.681 |
| 2.NZ | 0.780 | 0.819 | 0.741 |
| 3.Ontario | 0.771 | 0.810 | 0.733 |
| Total | 0.762 | 0.800 | 0.724 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.493 | 0.518 | 0.470 |
| 2 | 0.531 | 0.558 | 0.506 |
| 3 | 0.828 | 0.870 | 0.788 |
| 4 | 0.638 | 0.671 | 0.608 |
| 5 | 0.674 | 0.708 | 0.642 |
| 6 | 0.500 | 0.524 | 0.476 |
| 7 | 0.556 | 0.584 | 0.529 |
| 8 | 0.729 | 0.766 | 0.694 |
| 9 | 0.932 | 0.979 | 0.886 |
| 10 | 0.905 | 0.952 | 0.860 |
| 11 | 0.778 | 0.818 | 0.741 |
| 12 | 0.813 | 0.855 | 0.774 |
| 13 | 0.923 | 0.971 | 0.878 |
| Total | 0.715 | 0.752 | 0.681 |





SFATLG-Kumb90-JTT-HN-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.485 | -0.047 | 0.185 | 0.623 |
| 2.NZ | 0.503 | 0.150 | 0.266 | 0.920 |
| 3.Ontario | 0.627 | 0.141 | 0.225 | 0.993 |
| Total | 0.558 | 0.104 | 0.230 | 0.891 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.713 | 0.021 | 0.106 | 0.840 |
| 2 | 0.661 | -0.162 | 0.040 | 0.539 |
| 3 | 0.869 | -0.052 | -0.005 | 0.812 |
| 4 | 0.411 | -0.056 | 0.229 | 0.585 |
| 5 | 0.538 | -0.125 | 0.120 | 0.533 |
| 6 | -0.295 | 0.108 | 0.679 | 0.492 |
| 7 | -0.016 | 0.014 | 0.467 | 0.465 |
| 8 | 1.078 | -0.120 | -0.169 | 0.789 |
| 9 | 0.310 | -0.038 | 0.273 | 0.545 |
| 10 | 0.172 | -0.012 | 0.365 | 0.524 |
| 11 | 0.633 | -0.104 | 0.064 | 0.593 |
| 12 | 0.228 | 0.081 | 0.389 | 0.699 |
| 13 | 0.998 | -0.163 | -0.147 | 0.687 |
| Total | 0.485 | -0.047 | 0.185 | 0.623 |

SFATLG-Kumb90-JTT-HN Efficiency Scores

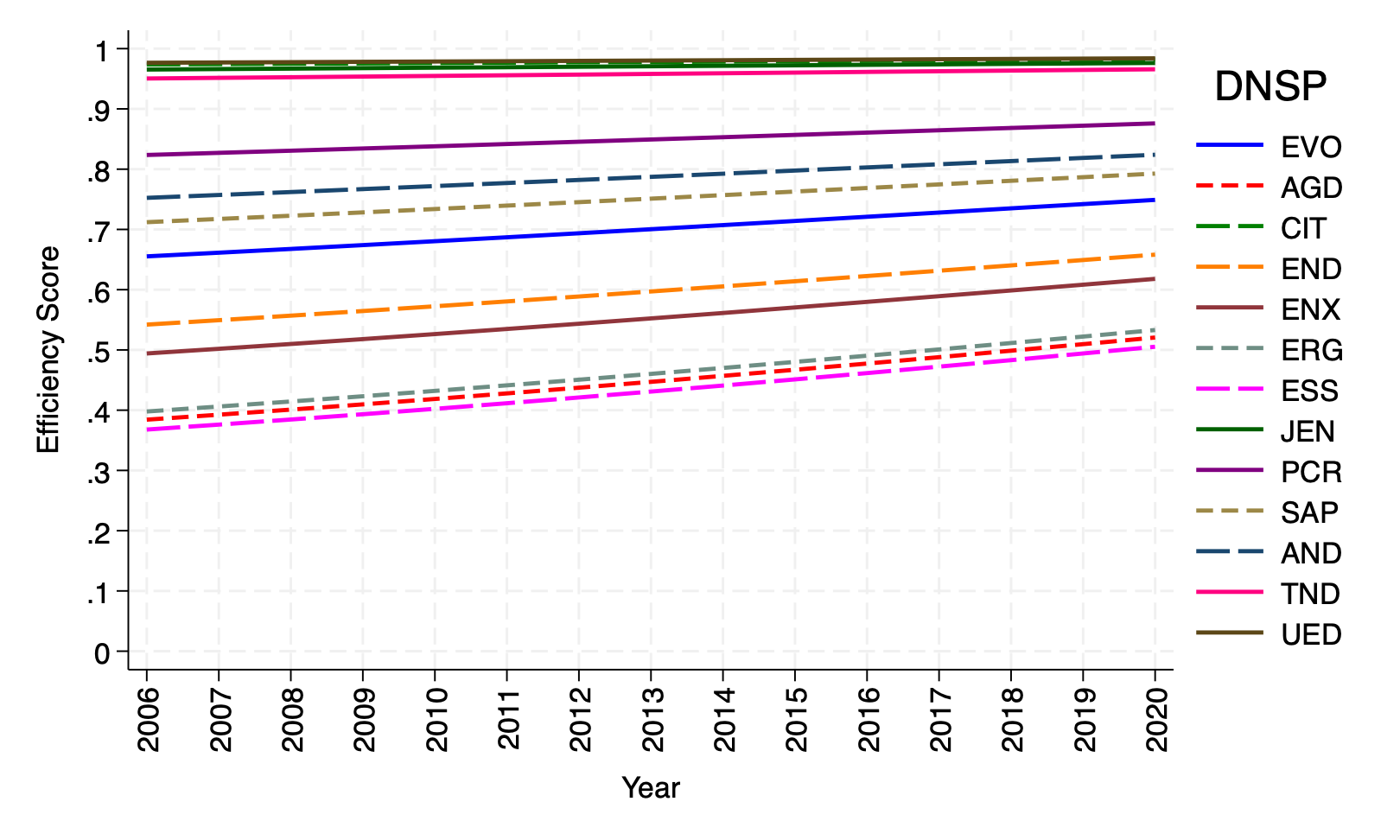
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.701 | 0.807 | 0.609 |
| 2 | 0.449 | 0.516 | 0.391 |
| 3 | 0.978 | 1.000 | 0.926 |
| 4 | 0.598 | 0.688 | 0.520 |
| 5 | 0.554 | 0.637 | 0.482 |
| 6 | 0.462 | 0.532 | 0.402 |
| 7 | 0.433 | 0.498 | 0.377 |
| 8 | 0.971 | 0.999 | 0.906 |
| 9 | 0.849 | 0.969 | 0.739 |
| 10 | 0.752 | 0.865 | 0.653 |
| 11 | 0.788 | 0.906 | 0.684 |
| 12 | 0.958 | 0.999 | 0.877 |
| 13 | 0.980 | 1.000 | 0.933 |
| Total | 0.729 | 0.801 | 0.654 |

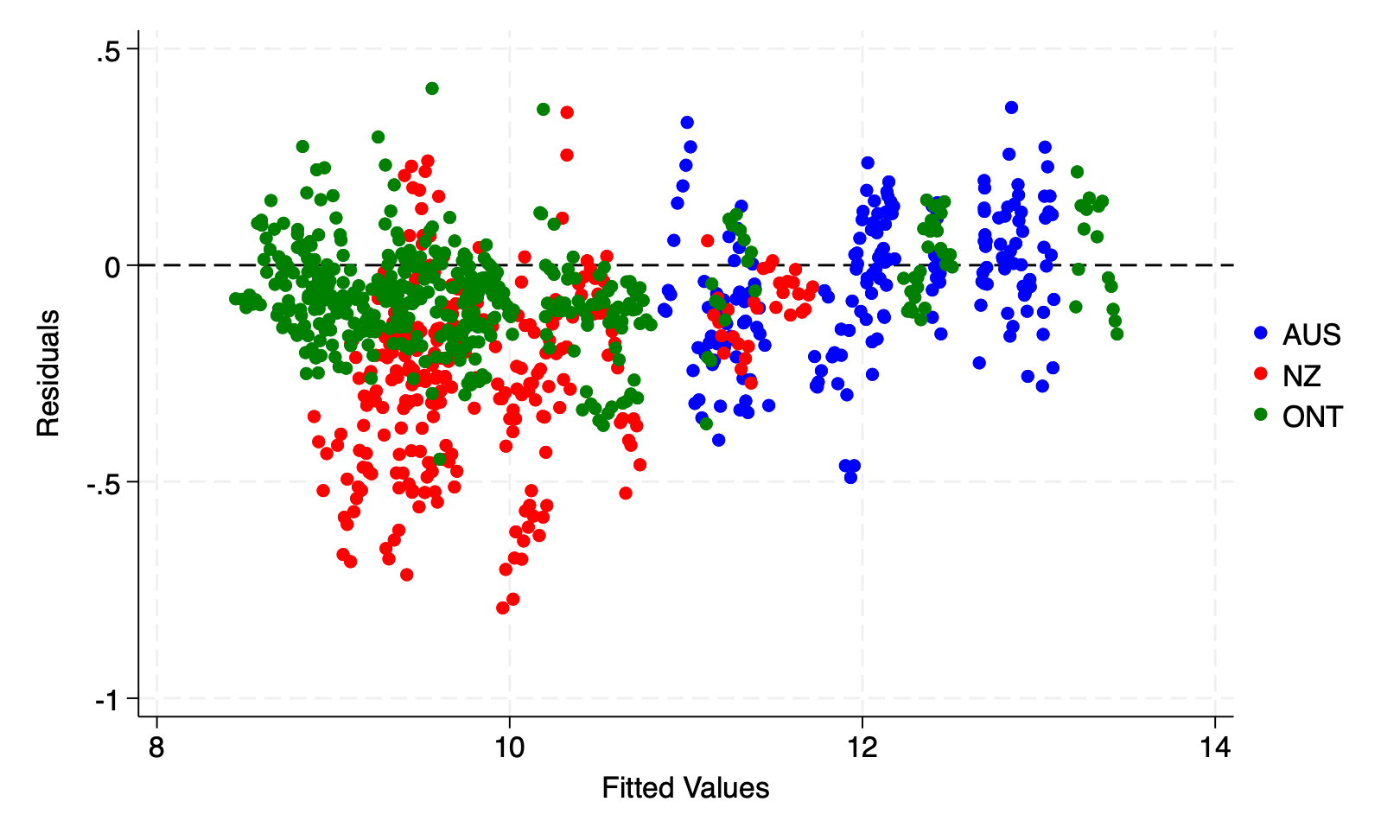
|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.729 | 0.801 | 0.654 |
| 2.NZ | 0.902 | 0.934 | 0.895 |
| 3.Ontario | 0.890 | 0.952 | 0.803 |
| Total | 0.860 | 0.914 | 0.798 |

SFATLG-Kumb90-JTT-HN Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 12.8 | 67.7 | 21.0 | 80.5 |
| 2.NZ | 6.7 | 10.2 | 6.0 | 22.8 |
| 3.Ontario | 1.8 | 8.3 | 0.5 | 10.6 |
| Total | 5.7 | 21.5 | 6.6 | 29.3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 100.0 | 6.7 | 100.0 |
| 3 | 0.0 | 100.0 | 66.7 | 100.0 |
| 4 | 0.0 | 100.0 | 0.0 | 100.0 |
| 5 | 0.0 | 100.0 | 0.0 | 100.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 66.7 | 0.0 | 0.0 | 66.7 |
| 8 | 0.0 | 100.0 | 100.0 | 100.0 |
| 9 | 0.0 | 100.0 | 0.0 | 100.0 |
| 10 | 0.0 | 80.0 | 0.0 | 80.0 |
| 11 | 0.0 | 100.0 | 0.0 | 100.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 100.0 | 100.0 | 100.0 |
| Total | 12.8 | 67.7 | 21.0 | 80.5 |





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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.254 | -0.473 | 0.230 | -0.497 |
| 2.NZ | 0.483 | 0.368 | 0.230 | 1.080 |
| 3.Ontario | 0.972 | 0.189 | 0.230 | 1.391 |
| Total | 0.558 | 0.104 | 0.230 | 0.891 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.476 | -0.112 | 0.230 | 0.594 |
| 2 | -0.365 | -0.848 | 0.230 | -0.984 |
| 3 | 0.541 | -0.367 | 0.230 | 0.403 |
| 4 | -0.307 | -0.630 | 0.230 | -0.707 |
| 5 | -0.460 | -0.753 | 0.230 | -0.984 |
| 6 | -0.897 | -0.400 | 0.230 | -1.068 |
| 7 | -0.990 | -0.461 | 0.230 | -1.222 |
| 8 | 0.397 | -0.342 | 0.230 | 0.285 |
| 9 | -0.607 | -0.487 | 0.230 | -0.864 |
| 10 | -0.675 | -0.518 | 0.230 | -0.964 |
| 11 | -0.395 | -0.487 | 0.230 | -0.652 |
| 12 | -0.119 | -0.176 | 0.230 | -0.065 |
| 13 | 0.100 | -0.567 | 0.230 | -0.238 |
| Total | -0.254 | -0.473 | 0.230 | -0.497 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 69.2 | 100.0 | 0.0 | 100.0 |
| 2.NZ | 10.5 | 15.8 | 0.0 | 15.8 |
| 3.Ontario | 6.9 | 24.1 | 0.0 | 24.1 |
| Total | 21.3 | 37.7 | 0.0 | 37.7 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 100.0 | 0.0 | 100.0 |
| 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 | 100.0 | 0.0 | 100.0 |
| 7 | 100.0 | 100.0 | 0.0 | 100.0 |
| 8 | 0.0 | 100.0 | 0.0 | 100.0 |
| 9 | 100.0 | 100.0 | 0.0 | 100.0 |
| 10 | 100.0 | 100.0 | 0.0 | 100.0 |
| 11 | 100.0 | 100.0 | 0.0 | 100.0 |
| 12 | 100.0 | 100.0 | 0.0 | 100.0 |
| 13 | 0.0 | 100.0 | 0.0 | 100.0 |
| Total | 69.2 | 100.0 | 0.0 | 100.0 |