Time Varying BC95-JTT-HN-short period

SFACD BC95-JTT-HN Elasticities

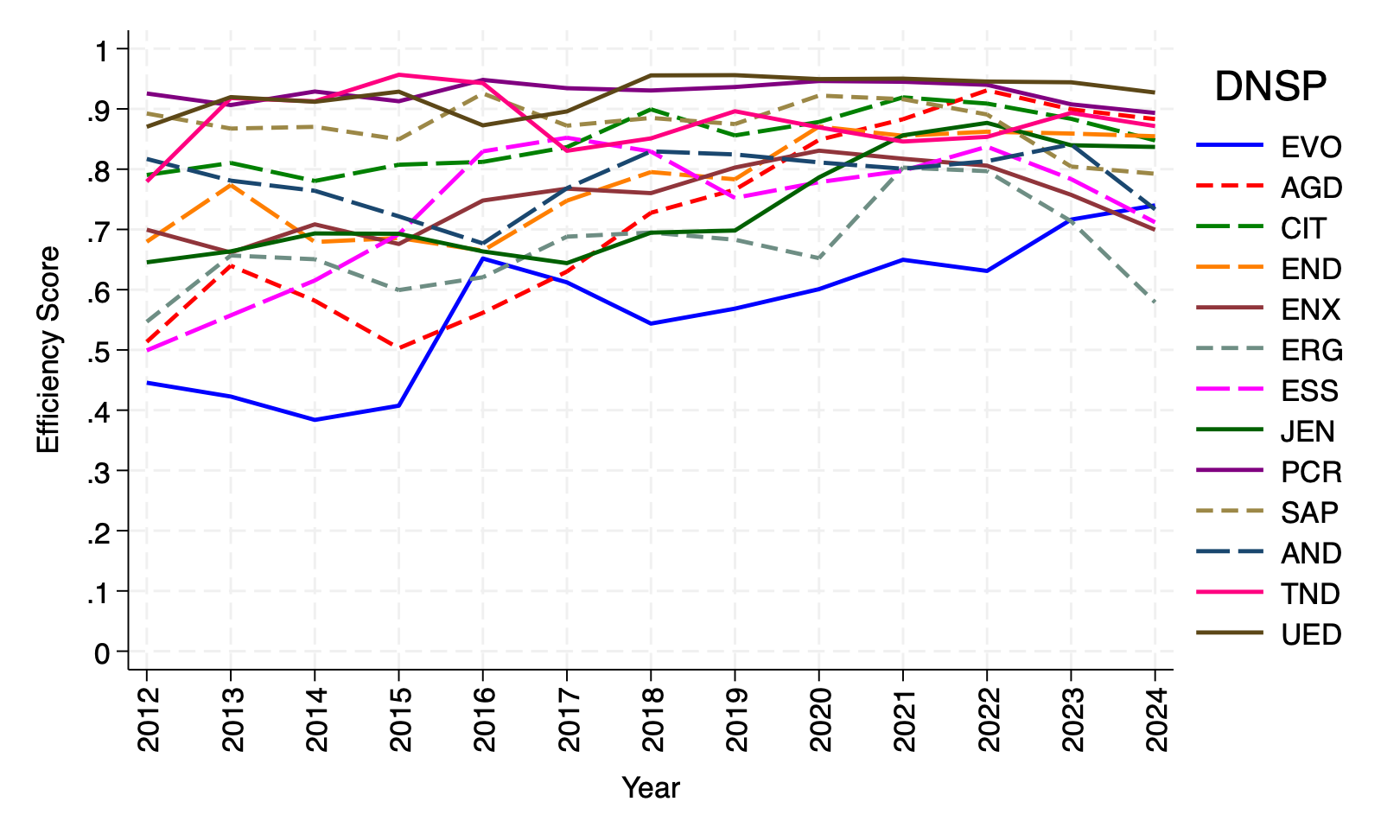
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.394 | 0.138 | 0.462 | 0.994 |
| 2.NZ | 0.394 | 0.138 | 0.462 | 0.994 |
| 3.Ontario | 0.394 | 0.138 | 0.462 | 0.994 |
| Total | 0.394 | 0.138 | 0.462 | 0.994 |

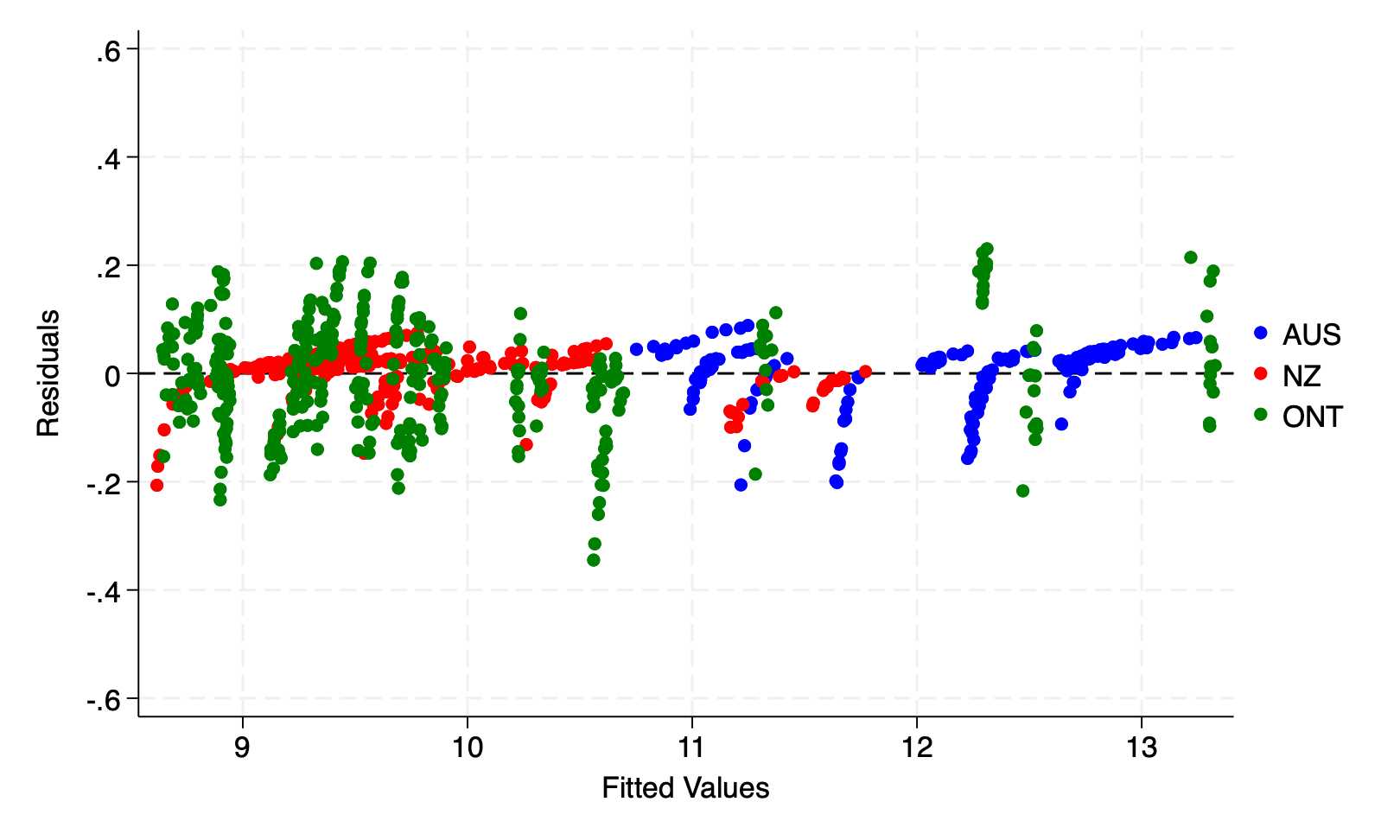
SFACD BC95-JTT-HN Efficiency Scores - short period

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| Country code |  |  |  |
| 1.Aust | 0.784 | 0.651 | 0.908 |
| 2.NZ | 0.691 | 0.568 | 0.816 |
| 3.Ontario | 0.960 | 0.875 | 0.999 |
| Total | 0.839 | 0.732 | 0.922 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| dnsp |  |  |  |
| 1 | 0.567 | 0.461 | 0.690 |
| 2 | 0.721 | 0.595 | 0.842 |
| 3 | 0.849 | 0.703 | 0.977 |
| 4 | 0.778 | 0.637 | 0.921 |
| 5 | 0.749 | 0.610 | 0.903 |
| 6 | 0.668 | 0.543 | 0.811 |
| 7 | 0.734 | 0.599 | 0.878 |
| 8 | 0.738 | 0.603 | 0.881 |
| 9 | 0.927 | 0.804 | 0.997 |
| 10 | 0.874 | 0.731 | 0.987 |
| 11 | 0.783 | 0.639 | 0.937 |
| 12 | 0.879 | 0.740 | 0.987 |
| 13 | 0.925 | 0.804 | 0.996 |
| Total | 0.784 | 0.651 | 0.908 |

SFACD BC95-JTT-HN Efficiency Scores - short period





SFATLG BC95-JTT-HN Elasticities - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.131 | 0.202 | 0.638 | 0.972 |
| 2.NZ | 0.656 | 0.166 | 0.098 | 0.920 |
| 3.Ontario | 0.383 | 0.118 | 0.468 | 0.969 |
| Total | 0.415 | 0.151 | 0.389 | 0.954 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.301 | 0.151 | 0.505 | 0.958 |
| 2 | -0.073 | 0.199 | 0.858 | 0.984 |
| 3 | 0.162 | 0.135 | 0.668 | 0.966 |
| 4 | -0.049 | 0.204 | 0.849 | 1.004 |
| 5 | -0.029 | 0.211 | 0.802 | 0.984 |
| 6 | -0.048 | 0.266 | 0.827 | 1.044 |
| 7 | 0.091 | 0.270 | 0.636 | 0.997 |
| 8 | 0.404 | 0.145 | 0.349 | 0.899 |
| 9 | 0.157 | 0.232 | 0.577 | 0.966 |
| 10 | 0.056 | 0.239 | 0.699 | 0.995 |
| 11 | 0.282 | 0.212 | 0.433 | 0.926 |
| 12 | 0.214 | 0.203 | 0.570 | 0.986 |
| 13 | 0.238 | 0.164 | 0.521 | 0.923 |
| Total | 0.131 | 0.202 | 0.638 | 0.972 |

SFATLG BC95-JTT-HN Monotonicity Violations - short period

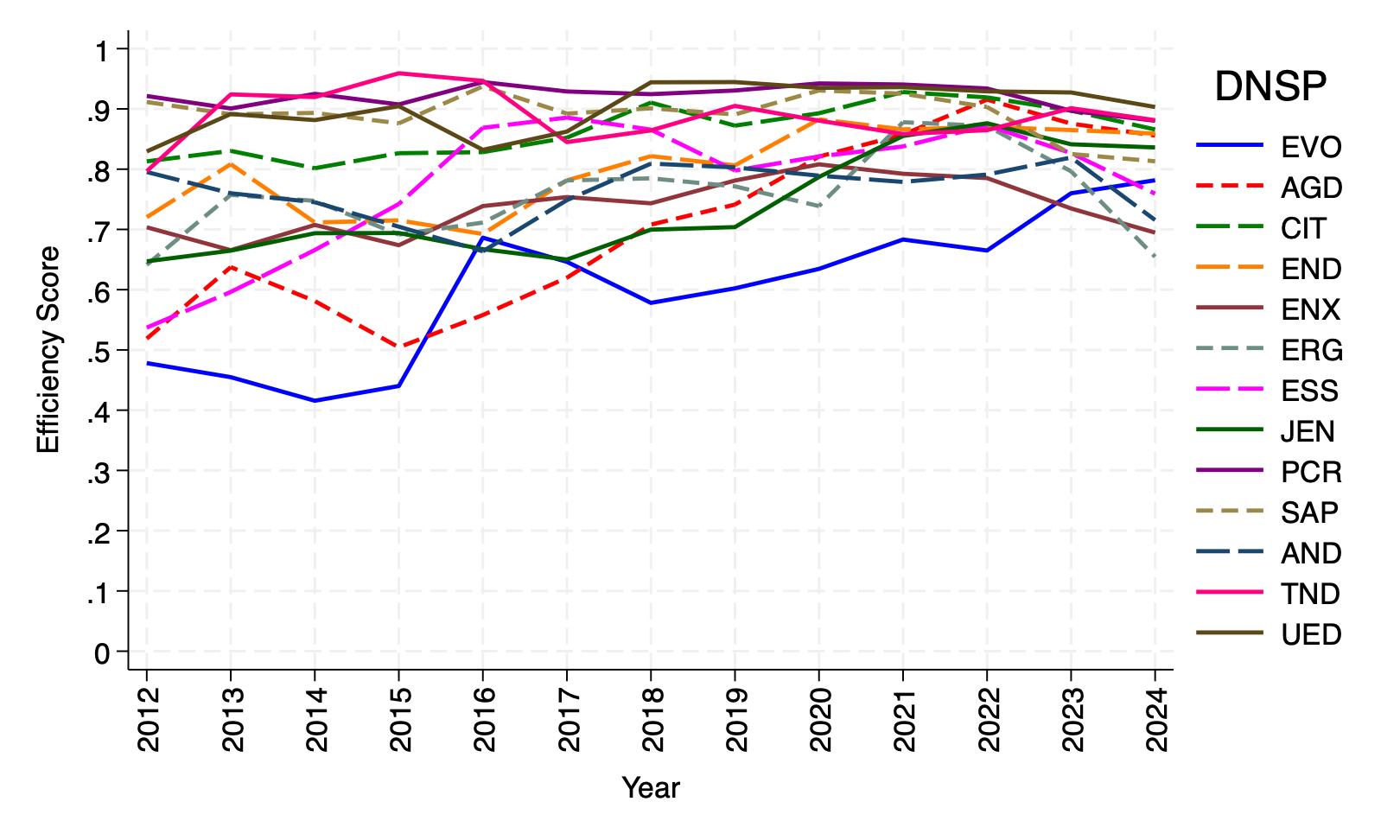
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 30.8 | 0.0 | 0.0 | 30.8 |
| 2.NZ | 0.0 | 0.0 | 32.0 | 32.0 |
| 3.Ontario | 10.3 | 0.0 | 0.0 | 10.3 |
| Total | 11.5 | 0.0 | 10.0 | 21.4 |

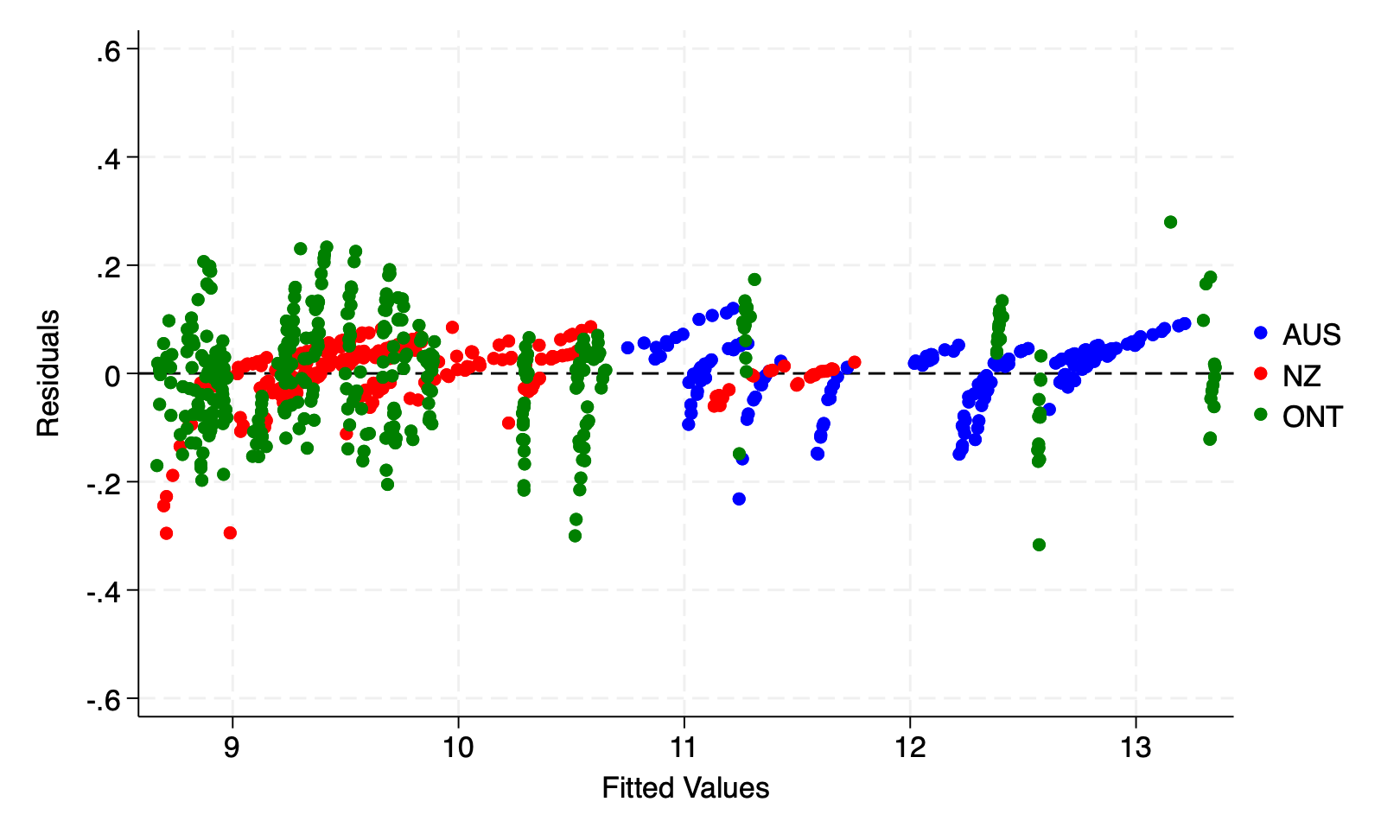
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 100.0 | 0.0 | 0.0 | 100.0 |
| 3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4 | 100.0 | 0.0 | 0.0 | 100.0 |
| 5 | 100.0 | 0.0 | 0.0 | 100.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 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 | 30.8 | 0.0 | 0.0 | 30.8 |

SFATLG BC95-JTT-HN Efficiency Scores - short period

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| Country code |  |  |  |
| 1.Aust | 0.796 | 0.665 | 0.919 |
| 2.NZ | 0.723 | 0.598 | 0.852 |
| 3.Ontario | 0.965 | 0.887 | 0.999 |
| Total | 0.853 | 0.749 | 0.936 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | 95% lower bound of E(exp(-u)|e) | 95% upper bound of E(exp(-u)|e) |
| dnsp |  |  |  |
| 1 | 0.602 | 0.493 | 0.727 |
| 2 | 0.707 | 0.584 | 0.832 |
| 3 | 0.864 | 0.724 | 0.983 |
| 4 | 0.800 | 0.660 | 0.939 |
| 5 | 0.737 | 0.604 | 0.888 |
| 6 | 0.756 | 0.621 | 0.901 |
| 7 | 0.775 | 0.640 | 0.909 |
| 8 | 0.740 | 0.608 | 0.879 |
| 9 | 0.921 | 0.796 | 0.996 |
| 10 | 0.892 | 0.756 | 0.991 |
| 11 | 0.763 | 0.626 | 0.916 |
| 12 | 0.888 | 0.755 | 0.989 |
| 13 | 0.902 | 0.771 | 0.992 |
| Total | 0.796 | 0.665 | 0.919 |





SFATLG BC95-JTT-HN Alternative Elasticities - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| Country code |  |  |  |  |
| 1.Aust | -0.677 | 0.151 | 0.617 | 0.091 |
| 2.NZ | 0.953 | 0.151 | 0.096 | 1.199 |
| 3.Ontario | 0.551 | 0.151 | 0.479 | 1.181 |
| Total | 0.415 | 0.151 | 0.389 | 0.954 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | aely1 | aely2 | aely3 | aelY |
| dnsp |  |  |  |  |
| 1 | 0.012 | 0.151 | 0.503 | 0.666 |
| 2 | -1.324 | 0.151 | 0.834 | -0.339 |
| 3 | -0.385 | 0.151 | 0.668 | 0.433 |
| 4 | -1.052 | 0.151 | 0.826 | -0.075 |
| 5 | -1.200 | 0.151 | 0.775 | -0.274 |
| 6 | -0.875 | 0.151 | 0.789 | 0.065 |
| 7 | -0.816 | 0.151 | 0.596 | -0.069 |
| 8 | -0.151 | 0.151 | 0.345 | 0.345 |
| 9 | -0.739 | 0.151 | 0.547 | -0.041 |
| 10 | -0.867 | 0.151 | 0.668 | -0.048 |
| 11 | -0.574 | 0.151 | 0.408 | -0.015 |
| 12 | -0.219 | 0.151 | 0.552 | 0.484 |
| 13 | -0.613 | 0.151 | 0.510 | 0.048 |
| Total | -0.677 | 0.151 | 0.617 | 0.091 |

SFATLG BC95-JTT-HN Alternative Monotonicity Violations - short period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| Country code |  |  |  |  |
| 1.Aust | 94.7 | 0.0 | 0.0 | 94.7 |
| 2.NZ | 10.5 | 0.0 | 32.4 | 42.9 |
| 3.Ontario | 13.8 | 0.0 | 0.0 | 13.8 |
| Total | 30.0 | 0.0 | 10.1 | 40.1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mv1 | mv2 | mv3 | mvtot |
| dnsp |  |  |  |  |
| 1 | 30.8 | 0.0 | 0.0 | 30.8 |
| 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 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 100.0 | 0.0 | 0.0 | 100.0 |
| 8 | 100.0 | 0.0 | 0.0 | 100.0 |
| 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 | 100.0 | 0.0 | 0.0 | 100.0 |
| 13 | 100.0 | 0.0 | 0.0 | 100.0 |
| Total | 94.7 | 0.0 | 0.0 | 94.7 |