Time Varying BC95-AJTT-HN-GTC-hY-short

SFACD BC95-AJTT-HN-GTC-hY Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.319 | -0.099 | 0.237 | 0.458 |
| 2.NZ | 0.319 | -0.099 | 0.237 | 0.458 |
| 3.Ontario | 0.319 | -0.099 | 0.237 | 0.458 |
| Total | 0.319 | -0.099 | 0.237 | 0.458 |

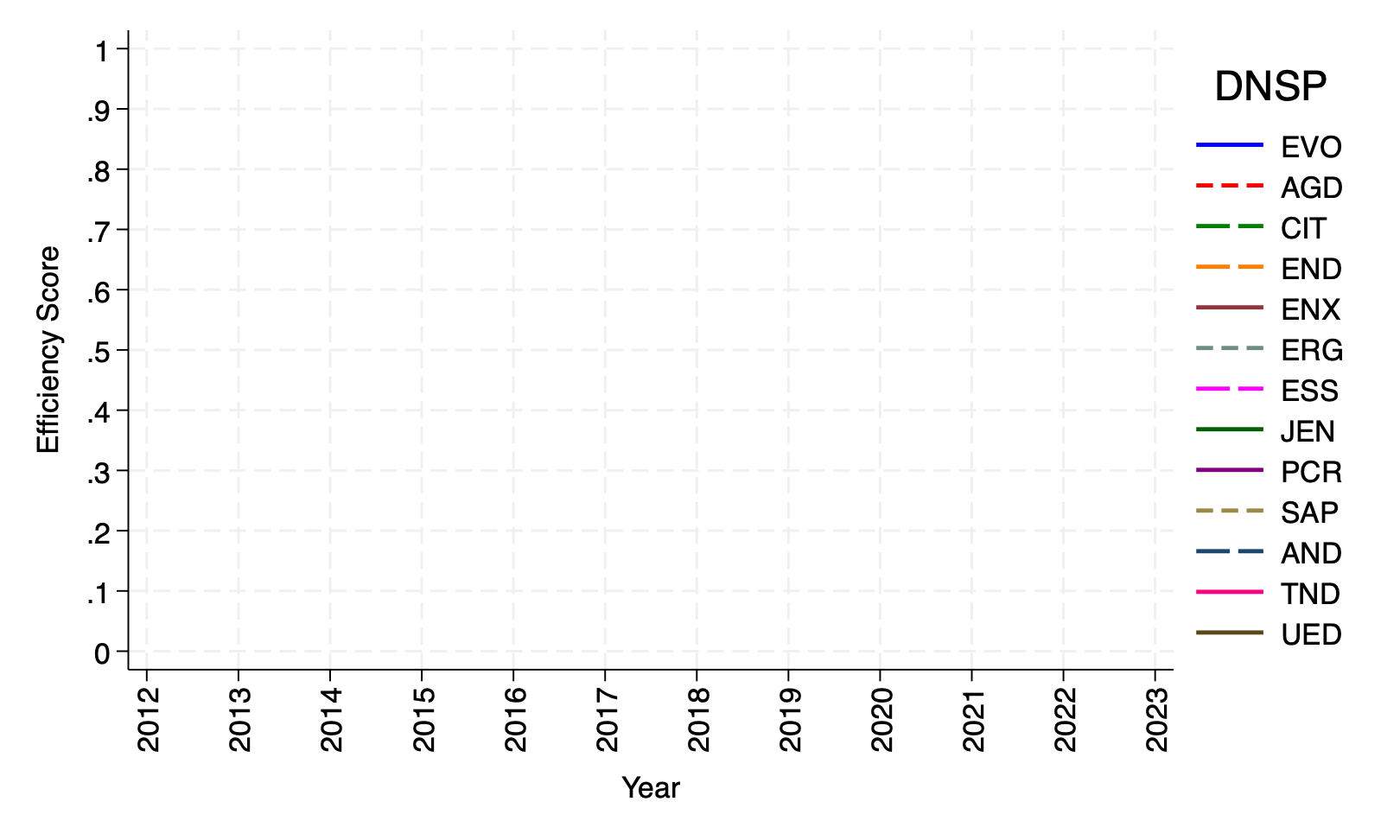
SFACD BC95-AJTT-HN-GTC-hY Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | . | . | . |
| 2 | . | . | . |
| 3 | . | . | . |
| 4 | . | . | . |
| 5 | . | . | . |
| 6 | . | . | . |
| 7 | . | . | . |
| 8 | . | . | . |
| 9 | . | . | . |
| 10 | . | . | . |
| 11 | . | . | . |
| 12 | . | . | . |
| 13 | . | . | . |
| Total | . | . | . |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | . | . | . |
| 2.NZ | .0384188 | .0384188 | .0384188 |
| 3.Ontario | .0207537 | .0207537 | .0207537 |
| Total | .0277461 | .0277461 | .0277461 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | |
|  | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| dnsp |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 3 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 4 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 5 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 6 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 7 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 8 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 9 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 10 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 11 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 12 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 13 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Total | . | . | . | . | . | . | . | . | . | . | . | . | . |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | | |
|  | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| Country code |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.Aust |  | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2.NZ |  | . | . | . | . | . | . | .2172431 | .0125056 | .0007199 | .0000414 | 2.39e-06 | 1.37e-07 | .0384188 |
| 3.Ontario | . | . | . | . | . | . | .1244396 | .0000826 | 5.48e-08 | 3.64e-11 | 2.42e-14 | 1.60e-17 |  | .0207537 |
| Total | . | . | . | . | . | . | .1244396 | .086042 | .0049502 | .000285 | .0000164 | 9.44e-07 | 1.37e-07 | .0277461 |



SFATLG BC95-AJTT-HN-GTC-hY short Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | -1.1e+03 | -1.1e+03 | -1.1e+03 | -3.3e+03 |
| 2.NZ | 226.755 | 299.255 | 205.057 | 731.067 |
| 3.Ontario | 339.324 | 309.671 | 343.253 | 992.249 |
| Total | 0.317 | 0.083 | 0.422 | 0.822 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | -271.778 | -318.008 | -268.805 | -858.592 |
| 2 | -1.5e+03 | -1.6e+03 | -1.5e+03 | -4.6e+03 |
| 3 | -443.648 | -557.012 | -433.840 | -1.4e+03 |
| 4 | -1.3e+03 | -1.4e+03 | -1.3e+03 | -4.0e+03 |
| 5 | -1.5e+03 | -1.6e+03 | -1.5e+03 | -4.5e+03 |
| 6 | -1.5e+03 | -1.5e+03 | -1.5e+03 | -4.5e+03 |
| 7 | -1.6e+03 | -1.5e+03 | -1.5e+03 | -4.7e+03 |
| 8 | -445.506 | -542.273 | -474.833 | -1.5e+03 |
| 9 | -1.3e+03 | -1.3e+03 | -1.3e+03 | -4.0e+03 |
| 10 | -1.4e+03 | -1.4e+03 | -1.4e+03 | -4.3e+03 |
| 11 | -1.1e+03 | -1.2e+03 | -1.1e+03 | -3.5e+03 |
| 12 | -744.561 | -725.916 | -715.304 | -2.2e+03 |
| 13 | -861.559 | -973.670 | -871.225 | -2.7e+03 |
| Total | -1.1e+03 | -1.1e+03 | -1.1e+03 | -3.3e+03 |

SFATLG BC95-AJTT-HN-GTC-hY short Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 1.000 | 1.000 | 1.000 | 1.000 |
| 2.NZ | 0.215 | 0.211 | 0.241 | 0.241 |
| 3.Ontario | 0.241 | 0.241 | 0.241 | 0.241 |
| Total | 0.395 | 0.393 | 0.403 | 0.403 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 | 1.000 | 1.000 | 1.000 | 1.000 |
| 4 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 | 1.000 | 1.000 | 1.000 | 1.000 |
| 6 | 1.000 | 1.000 | 1.000 | 1.000 |
| 7 | 1.000 | 1.000 | 1.000 | 1.000 |
| 8 | 1.000 | 1.000 | 1.000 | 1.000 |
| 9 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10 | 1.000 | 1.000 | 1.000 | 1.000 |
| 11 | 1.000 | 1.000 | 1.000 | 1.000 |
| 12 | 1.000 | 1.000 | 1.000 | 1.000 |
| 13 | 1.000 | 1.000 | 1.000 | 1.000 |
| Total | 1.000 | 1.000 | 1.000 | 1.000 |

SFATLG BC95-AJTT-HN-GTC-hY short Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | . | . | . |
| 2 | . | . | . |
| 3 | . | . | . |
| 4 | . | . | . |
| 5 | . | . | . |
| 6 | . | . | . |
| 7 | . | . | . |
| 8 | . | . | . |
| 9 | . | . | . |
| 10 | . | . | . |
| 11 | . | . | . |
| 12 | . | . | . |
| 13 | . | . | . |
| Total | . | . | . |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | . | . | . |
| 2.NZ | .1029784 | .1029784 | .1029784 |
| 3.Ontario | .0575509 | .0575509 | .0575509 |
| Total | .0755326 | .0755326 | .0755326 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | |
|  | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| dnsp |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 3 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 4 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 5 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 6 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 7 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 8 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 9 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 10 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 11 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 12 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 13 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Total | . | . | . | . | . | . | . | . | . | . | . | . | . |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | | |
|  | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| Country code |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.Aust |  | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2.NZ |  | . | . | . | . | . | . | .4683661 | .1134007 | .0274565 | .0066478 | .0016096 | .0003897 | .1029784 |
| 3.Ontario | . | . | . | . | . | . | .3376742 | .0074625 | .0001649 | 3.64e-06 | 8.05e-08 | 1.78e-09 |  | .0575509 |
| Total | . | . | . | . | . | . | .3376742 | .1899035 | .0449874 | .0108704 | .0026315 | .0006371 | .0003897 | .0755326 |

