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

SFACD BC95-AJTT-HN-GTC-hY Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.716 | 0.110 | 0.112 | 0.938 |
| 2.NZ | 0.716 | 0.110 | 0.112 | 0.938 |
| 3.Ontario | 0.716 | 0.110 | 0.112 | 0.938 |
| Total | 0.716 | 0.110 | 0.112 | 0.938 |

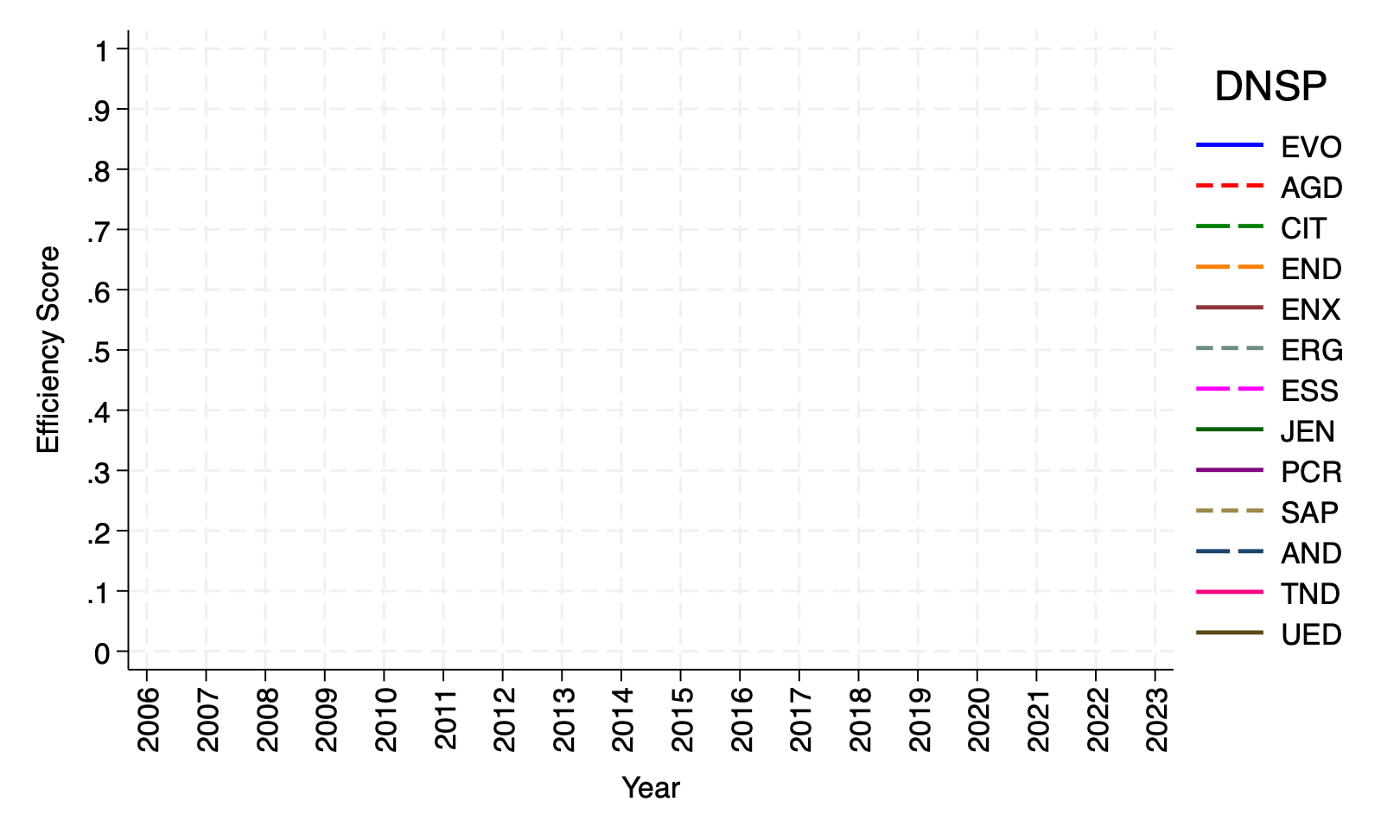
SFACD BC95-AJTT-HN-GTC-hY Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | 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 | .7359904 | .7359904 | .7359904 |
| 3.Ontario | .9063069 | .9063069 | .9063069 |
| Total | .83889 | .83889 | .83889 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | | | | | | | |
|  | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 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 | | | | | | | | | | | | | | | | | | | |
|  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| Country code |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.Aust |  | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2.NZ |  | . | . | . | . | . | . | . | . | . | .9627792 | .8964484 | .8346875 | .7771815 | .7236375 | .6737823 | .627362 | .5841398 | .5438954 | .7359904 |
| 3.Ontario | .8314949 | .849281 | .8674477 | .8860029 | .9049551 | .9243126 | .9440842 | .9642788 | .9849053 | . | . | . | . | . | . | . | . | . |  | .9063069 |
| Total | .8314949 | .849281 | .8674477 | .8860029 | .9049551 | .9243126 | .9440842 | .9642788 | .9849053 | . | .9627792 | .8964484 | .8346875 | .7771815 | .7236375 | .6737823 | .627362 | .5841398 | .5438954 | .83889 |



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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | -3.2e+03 | -3.4e+03 | -3.2e+03 | -9.8e+03 |
| 2.NZ | 686.302 | 899.186 | 617.773 | 2203.262 |
| 3.Ontario | 1005.188 | 917.847 | 1017.747 | 2940.783 |
| Total | 0.444 | -0.342 | 0.612 | 0.714 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | -752.532 | -885.739 | -750.869 | -2.4e+03 |
| 2 | -4.5e+03 | -4.8e+03 | -4.4e+03 | -1.4e+04 |
| 3 | -1.3e+03 | -1.7e+03 | -1.3e+03 | -4.3e+03 |
| 4 | -3.9e+03 | -4.1e+03 | -3.8e+03 | -1.2e+04 |
| 5 | -4.5e+03 | -4.7e+03 | -4.3e+03 | -1.3e+04 |
| 6 | -4.6e+03 | -4.4e+03 | -4.4e+03 | -1.3e+04 |
| 7 | -4.8e+03 | -4.6e+03 | -4.6e+03 | -1.4e+04 |
| 8 | -1.3e+03 | -1.6e+03 | -1.4e+03 | -4.3e+03 |
| 9 | -4.0e+03 | -4.0e+03 | -3.9e+03 | -1.2e+04 |
| 10 | -4.3e+03 | -4.3e+03 | -4.2e+03 | -1.3e+04 |
| 11 | -3.4e+03 | -3.5e+03 | -3.4e+03 | -1.0e+04 |
| 12 | -2.2e+03 | -2.2e+03 | -2.1e+03 | -6.6e+03 |
| 13 | -2.6e+03 | -2.9e+03 | -2.6e+03 | -8.1e+03 |
| Total | -3.2e+03 | -3.4e+03 | -3.2e+03 | -9.8e+03 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 1.000 | 1.000 | 1.000 | 1.000 |
| 2.NZ | 0.225 | 0.211 | 0.246 | 0.246 |
| 3.Ontario | 0.241 | 0.241 | 0.241 | 0.241 |
| Total | 0.398 | 0.393 | 0.404 | 0.404 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 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 long 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 | .0054138 | .0054138 | .0054138 |
| 3.Ontario | .0062081 | .0062081 | .0062081 |
| Total | .0058937 | .0058937 | .0058937 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Reporting year | | | | | | | | | | | | | | | | | | |
|  | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 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 | | | | | | | | | | | | | | | | | | | |
|  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
| Country code |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.Aust |  | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| 2.NZ |  | . | . | . | . | . | . | . | . | . | .0485599 | .0001637 | 5.52e-07 | 1.86e-09 | 6.27e-12 | 2.11e-14 | 7.12e-17 | 2.40e-19 | 8.09e-22 | .0054138 |
| 3.Ontario | . | . | . | . | . | . | . | . | . | .055871 | 1.97e-06 | 6.95e-11 | 2.45e-15 | 8.65e-20 | 3.05e-24 | 1.08e-28 | 3.80e-33 | 1.34e-37 |  | .0062081 |
| Total | . | . | . | . | . | . | . | . | . | .055871 | .0192228 | .0000648 | 2.18e-07 | 7.36e-10 | 2.48e-12 | 8.36e-15 | 2.82e-17 | 9.50e-20 | 8.09e-22 | .0058937 |

