SFA-Kumb90-JTT-HN-GTC - long period

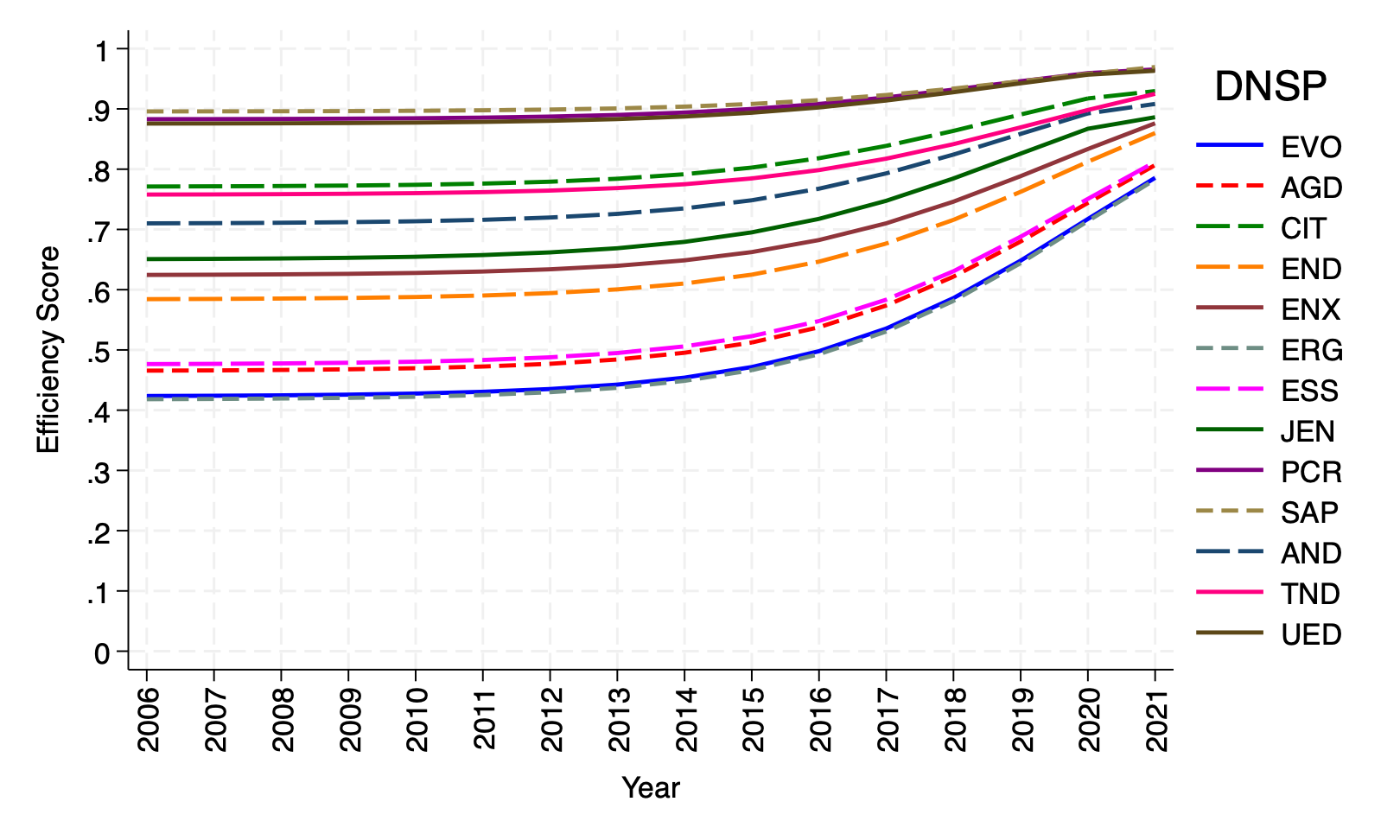
SFACD-Kumb90-JTT-HN-GTC Elasticities

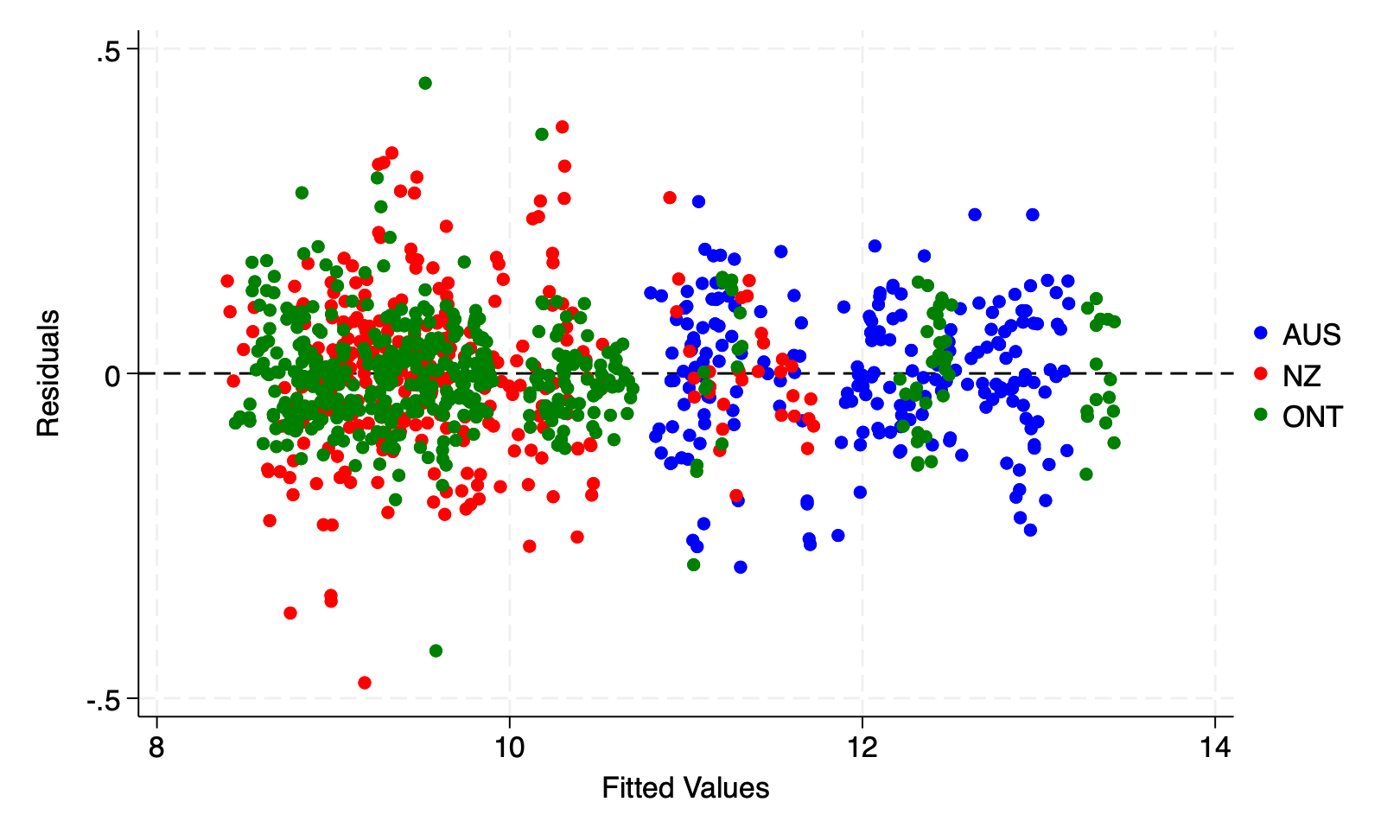
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.553 | 0.172 | 0.244 | 0.969 |
| 2.NZ | 0.553 | 0.172 | 0.244 | 0.969 |
| 3.Ontario | 0.553 | 0.172 | 0.244 | 0.969 |
| Total | 0.553 | 0.172 | 0.244 | 0.969 |

SFACD-Kumb90-JTT-HN-GTC Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | .713114 | .7480725 | .6799439 |
| 2.NZ | .7773171 | .8154822 | .7391879 |
| 3.Ontario | .7632557 | .8011892 | .726671 |
| Total | .7569496 | .7943212 | .7206115 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | .5081436 | .5322623 | .4852339 |
| 2 | .5463186 | .5724597 | .5214938 |
| 3 | .8158483 | .8560789 | .7776983 |
| 4 | .6513963 | .6831482 | .6212597 |
| 5 | .6862803 | .7199071 | .6543689 |
| 6 | .5032459 | .5271057 | .4805812 |
| 7 | .5560947 | .5827552 | .530778 |
| 8 | .7158035 | .7505915 | .6828004 |
| 9 | .9065541 | .9517432 | .8637084 |
| 10 | .9147552 | .9607227 | .8711263 |
| 11 | .7653972 | .8028776 | .7298478 |
| 12 | .7999283 | .8396987 | .7622028 |
| 13 | .9007156 | .9455916 | .8581711 |
| Total | .713114 | .7480725 | .6799439 |





SFATLG-Kumb90-JTT-HN-GTC-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.638 | 0.244 | 0.089 | 0.971 |
| 2.NZ | 0.444 | 0.271 | 0.289 | 1.003 |
| 3.Ontario | 0.611 | 0.113 | 0.218 | 0.942 |
| Total | 0.564 | 0.190 | 0.213 | 0.967 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.746 | 0.128 | 0.084 | 0.959 |
| 2 | 0.880 | 0.150 | -0.083 | 0.947 |
| 3 | 0.944 | 0.030 | -0.043 | 0.931 |
| 4 | 0.619 | 0.239 | 0.094 | 0.952 |
| 5 | 0.753 | 0.214 | -0.007 | 0.960 |
| 6 | -0.039 | 0.554 | 0.477 | 0.992 |
| 7 | 0.201 | 0.498 | 0.313 | 1.012 |
| 8 | 1.109 | 0.014 | -0.161 | 0.962 |
| 9 | 0.491 | 0.346 | 0.155 | 0.992 |
| 10 | 0.382 | 0.384 | 0.220 | 0.986 |
| 11 | 0.760 | 0.234 | -0.002 | 0.992 |
| 12 | 0.352 | 0.335 | 0.291 | 0.978 |
| 13 | 1.093 | 0.044 | -0.179 | 0.958 |
| Total | 0.638 | 0.244 | 0.089 | 0.971 |

SFATLG-Kumb90-JTT-HN-GTC Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.716 | 0.750 | 0.683 |
| 2.NZ | 0.767 | 0.804 | 0.730 |
| 3.Ontario | 0.763 | 0.801 | 0.727 |
| Total | 0.754 | 0.791 | 0.718 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.504 | 0.528 | 0.482 |
| 2 | 0.516 | 0.540 | 0.493 |
| 3 | 0.821 | 0.861 | 0.783 |
| 4 | 0.607 | 0.636 | 0.580 |
| 5 | 0.653 | 0.684 | 0.623 |
| 6 | 0.594 | 0.622 | 0.567 |
| 7 | 0.628 | 0.658 | 0.600 |
| 8 | 0.746 | 0.781 | 0.712 |
| 9 | 0.877 | 0.920 | 0.837 |
| 10 | 0.946 | 0.990 | 0.902 |
| 11 | 0.750 | 0.785 | 0.715 |
| 12 | 0.757 | 0.794 | 0.722 |
| 13 | 0.905 | 0.949 | 0.863 |
| Total | 0.716 | 0.750 | 0.683 |

SFATLG-Kumb90-JTT-HN-GTC Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 5.3 | 1.4 | 38.5 | 43.8 |
| 2.NZ | 8.2 | 0.0 | 2.0 | 10.2 |
| 3.Ontario | 0.0 | 3.2 | 0.2 | 3.4 |
| Total | 3.7 | 1.8 | 8.9 | 14.1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 100.0 | 100.0 |
| 3 | 0.0 | 0.0 | 100.0 | 100.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 50.0 | 50.0 |
| 6 | 68.8 | 0.0 | 0.0 | 68.8 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 18.8 | 100.0 | 100.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 50.0 | 50.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13 | 0.0 | 0.0 | 100.0 | 100.0 |
| Total | 5.3 | 1.4 | 38.5 | 43.8 |

