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

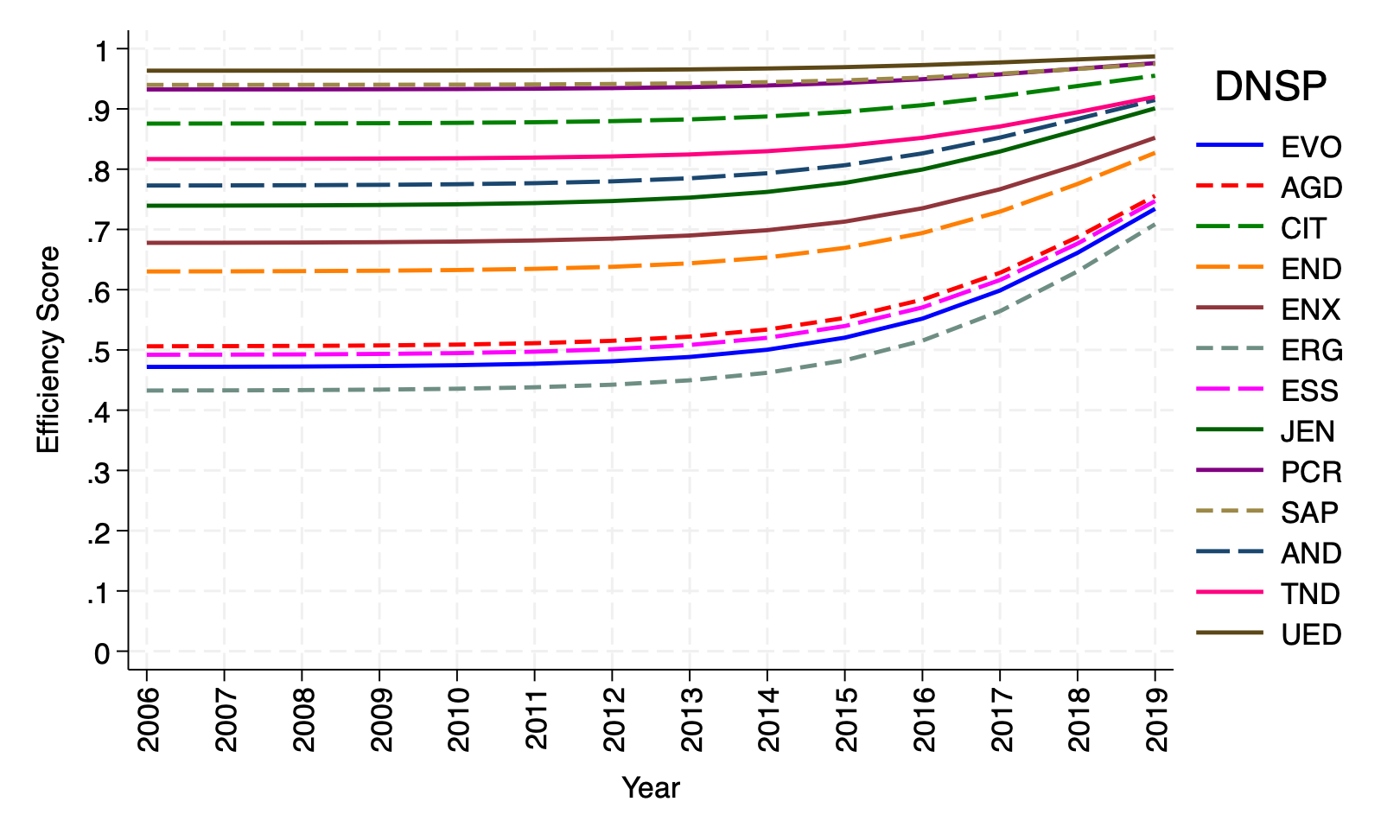
SFACD-Kumb90-JTT-HN-GTC Elasticities

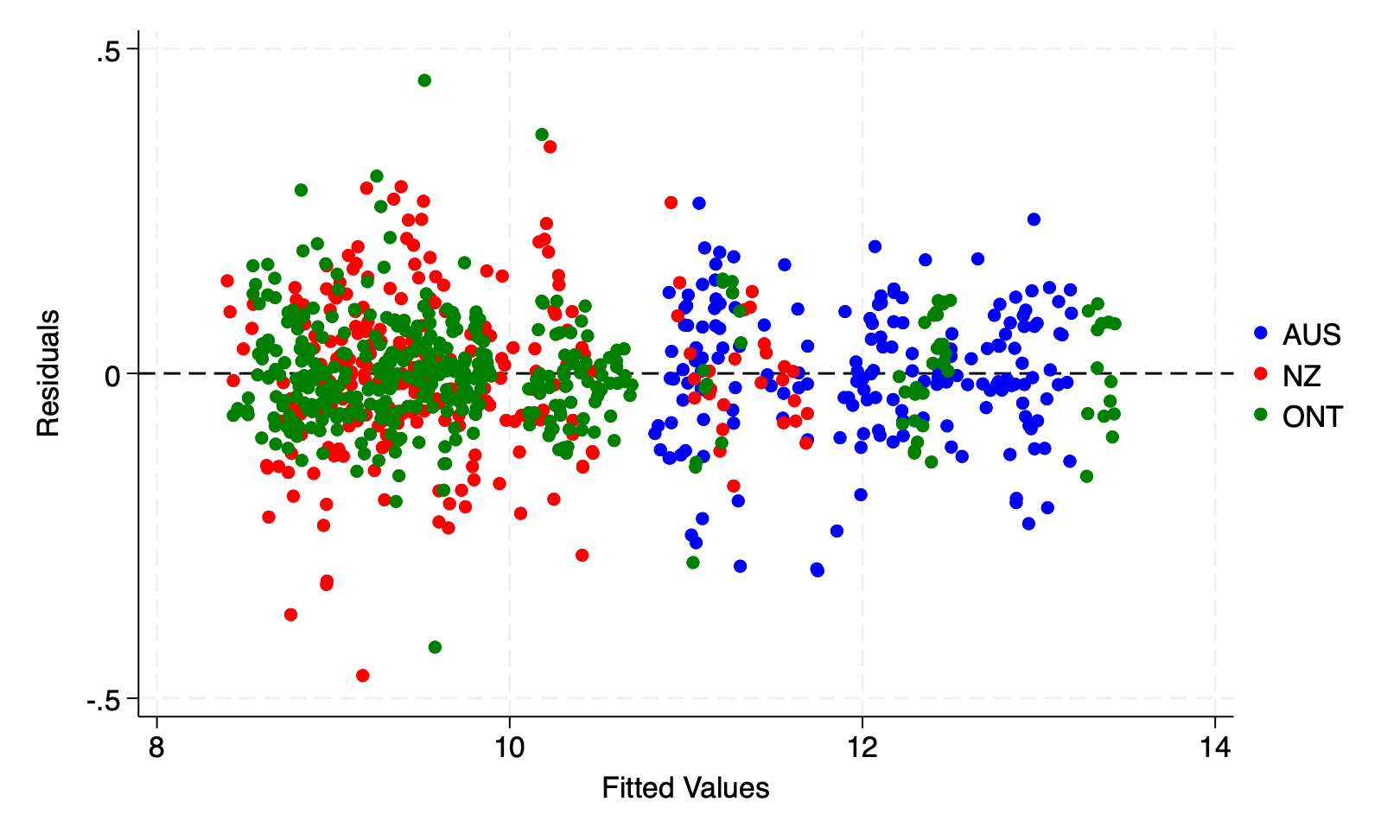
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.600 | 0.137 | 0.225 | 0.963 |
| 2.NZ | 0.600 | 0.137 | 0.225 | 0.963 |
| 3.Ontario | 0.600 | 0.137 | 0.225 | 0.963 |
| Total | 0.600 | 0.137 | 0.225 | 0.963 |

SFACD-Kumb90-JTT-HN-GTC Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | .7452167 | .7824854 | .7080922 |
| 2.NZ | .7831115 | .8236398 | .7427588 |
| 3.Ontario | .7751614 | .8165512 | .7354218 |
| Total | .771256 | .8114992 | .7318828 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | .5269742 | .5547767 | .5006397 |
| 2 | .558937 | .588525 | .5309146 |
| 3 | .8945703 | .9426261 | .8491095 |
| 4 | .6729183 | .7089022 | .6388504 |
| 5 | .7158349 | .7542371 | .6794816 |
| 6 | .4901407 | .5158908 | .4657467 |
| 7 | .5458038 | .5746577 | .5184753 |
| 8 | .7770565 | .8184121 | .7379249 |
| 9 | .942752 | .9891921 | .8954399 |
| 10 | .9476971 | .9922667 | .9001702 |
| 11 | .8061755 | .8491889 | .7654785 |
| 12 | .8398126 | .8852267 | .7968334 |
| 13 | .9691444 | .9984086 | .9261337 |
| Total | .7452167 | .7824854 | .7080922 |





SFATLG-Kumb90-JTT-HN-GTC-Elasticities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| Country code |  |  |  |  |
| 1.Aust | 0.541 | 0.341 | 0.145 | 1.027 |
| 2.NZ | 0.251 | 0.522 | 0.049 | 0.822 |
| 3.Ontario | 0.389 | 0.167 | 0.302 | 0.858 |
| Total | 0.378 | 0.315 | 0.190 | 0.883 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ely1 | ely2 | ely3 | elY |
| dnsp |  |  |  |  |
| 1 | 0.658 | 0.187 | 0.085 | 0.931 |
| 2 | 0.895 | 0.122 | 0.096 | 1.113 |
| 3 | 0.930 | -0.033 | 0.090 | 0.988 |
| 4 | 0.486 | 0.284 | 0.297 | 1.066 |
| 5 | 0.715 | 0.250 | 0.130 | 1.094 |
| 6 | -0.460 | 0.840 | 0.651 | 1.032 |
| 7 | -0.038 | 0.784 | 0.295 | 1.041 |
| 8 | 1.228 | 0.004 | -0.253 | 0.978 |
| 9 | 0.353 | 0.529 | 0.155 | 1.037 |
| 10 | 0.182 | 0.569 | 0.297 | 1.048 |
| 11 | 0.771 | 0.364 | -0.107 | 1.028 |
| 12 | 0.092 | 0.517 | 0.352 | 0.962 |
| 13 | 1.221 | 0.015 | -0.201 | 1.036 |
| Total | 0.541 | 0.341 | 0.145 | 1.027 |

SFATLG-Kumb90-JTT-HN-GTC Efficiency Scores

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| Country code |  |  |  |
| 1.Aust | 0.798 | 0.825 | 0.835 |
| 2.NZ | 0.806 | 0.844 | 0.767 |
| 3.Ontario | 0.776 | 0.813 | 0.737 |
| Total | 0.790 | 0.825 | 0.766 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cost efficiency via E(exp(-u)|e) | eff\_LB95 | eff\_UB95 |
| dnsp |  |  |  |
| 1 | 0.753 | 0.781 | 0.727 |
| 2 | 0.777 | 0.806 | 0.749 |
| 3 | 0.995 | 1.000 | 0.981 |
| 4 | 0.837 | 0.870 | 0.805 |
| 5 | 0.901 | 0.939 | 0.866 |
| 6 | 0.759 | 0.787 | 0.732 |
| 7 | 0.754 | 0.782 | 0.728 |
| 8 | 0.926 | 0.964 | 0.890 |
| 9 | 0.934 | 0.973 | 0.898 |
| 10 | 0.000 | 0.000 | . |
| 11 | 0.891 | 0.927 | 0.858 |
| 12 | 0.861 | 0.896 | 0.828 |
| 13 | 0.986 | 1.000 | 0.960 |
| Total | 0.798 | 0.825 | 0.835 |

SFATLG-Kumb90-JTT-HN-GTC Monotonicity Violations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| Country code |  |  |  |  |
| 1.Aust | 14.3 | 11.5 | 23.1 | 45.1 |
| 2.NZ | 27.8 | 0.0 | 39.1 | 66.9 |
| 3.Ontario | 5.9 | 1.5 | 1.5 | 8.9 |
| Total | 14.5 | 3.2 | 17.8 | 34.7 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mon1 | mon2 | mon3 | montot |
| dnsp |  |  |  |  |
| 1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3 | 0.0 | 100.0 | 0.0 | 100.0 |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 100.0 | 0.0 | 0.0 | 100.0 |
| 7 | 78.6 | 0.0 | 0.0 | 78.6 |
| 8 | 0.0 | 42.9 | 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 | 100.0 | 100.0 |
| 12 | 7.1 | 0.0 | 0.0 | 7.1 |
| 13 | 0.0 | 7.1 | 100.0 | 100.0 |
| Total | 14.3 | 11.5 | 23.1 | 45.1 |

