Estimating General Effects of Japan's ASEAN+1 Agreement Compared to All Regional Trade Agreements

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | (1) OLS | (2.1) PPML | (2.2) PPML | (3) PPML | (3.1) PPML | (4) PPML | (4.1) PPML |
|  | RTA | RTA | RTA, types | INTRA | INTRA, types | ENDG | ENDG, types |
| Log distance | -1.348 \*\*\* | -0.710 \*\*\* | -0.674 \*\*\* | -0.710 \*\*\* | -0.674 \*\*\* |  |  |
|  | (0.018) | (0.034) | (0.035) | (0.034) | (0.035) |  |  |
| Language | 0.436 \*\*\* | 0.126 | 0.099 | 0.126 | 0.099 |  |  |
|  | (0.038) | (0.071) | (0.069) | (0.071) | (0.069) |  |  |
| Colonizer | 0.766 \*\*\* | 0.336 \* | 0.284 \* | 0.336 \* | 0.283 \* |  |  |
|  | (0.047) | (0.134) | (0.125) | (0.134) | (0.125) |  |  |
| Colonial relation | 1.663 \*\*\* | 0.324 | 0.233 | 0.324 | 0.233 |  |  |
|  | (0.136) | (0.186) | (0.191) | (0.186) | (0.192) |  |  |
| Legal origins before 1991 | 0.388 \*\*\* | 0.330 \*\*\* | 0.279 \*\*\* | 0.331 \*\*\* | 0.279 \*\*\* |  |  |
|  | (0.037) | (0.082) | (0.078) | (0.082) | (0.078) |  |  |
| Legal origins after 1991 | -0.263 \*\*\* | -0.184 \* | -0.134 | -0.185 \* | -0.134 |  |  |
|  | (0.037) | (0.084) | (0.079) | (0.084) | (0.079) |  |  |
| Religion | 0.348 \*\*\* | -0.003 | -0.065 | -0.003 | -0.065 |  |  |
|  | (0.049) | (0.109) | (0.099) | (0.109) | (0.099) |  |  |
| GATT/WTO | 0.203 \*\*\* | 0.085 | 0.026 | 0.071 | 0.012 | -0.100 | -0.093 |
|  | (0.046) | (0.191) | (0.181) | (0.190) | (0.181) | (0.083) | (0.083) |
| RTA ASEAN-Japan | 0.548 | 0.850 \*\*\* | 0.763 \*\*\* | 0.848 \*\*\* | 0.762 \*\*\* | -0.043 | -0.029 |
|  | (0.315) | (0.155) | (0.168) | (0.155) | (0.167) | (0.089) | (0.089) |
| RTA in RoW | 0.346 \*\*\* | 0.405 \*\*\* |  | 0.405 \*\*\* |  | 0.010 |  |
|  | (0.034) | (0.069) |  | (0.069) |  | (0.053) |  |
| Japan in FTA & EIA |  |  | 0.134 |  | 0.133 |  | 0.106 |
|  |  |  | (0.185) |  | (0.184) |  | (0.056) |
| CU in RoW |  |  | 0.578 \*\*\* |  | 0.579 \*\*\* |  | 0.162 |
|  |  |  | (0.108) |  | (0.108) |  | (0.084) |
| CU & EIA in RoW |  |  | 1.002 \*\*\* |  | 1.002 \*\*\* |  | 0.137 \* |
|  |  |  | (0.093) |  | (0.093) |  | (0.065) |
| EIA in RoW |  |  | -0.098 |  | -0.101 |  | -0.546 \*\* |
|  |  |  | (0.287) |  | (0.287) |  | (0.204) |
| FTA in RoW |  |  | 0.746 \*\*\* |  | 0.746 \*\*\* |  | 0.022 |
|  |  |  | (0.079) |  | (0.079) |  | (0.039) |
| FTA & EIA in RoW |  |  | 0.219 \* |  | 0.220 \* |  | -0.025 |
|  |  |  | (0.090) |  | (0.089) |  | (0.067) |
| PSA & EIA in RoW |  |  | -0.458 \*\*\* |  | -0.462 \*\*\* |  | 0.032 |
|  |  |  | (0.138) |  | (0.137) |  | (0.071) |
| N | 282156 | 449911 | 449911 | 450947 | 450947 | 494912 | 494912 |
| Intra-national trade | No | No | No | Yes | Yes | Yes | Yes |
| Japan in other RTAs | No | No | Yes | No | Yes | No | Yes |
| R^2 | 0.751 |  |  |  |  |  |  |
| pseudo R^2 |  | 0.947 | 0.950 | 0.948 | 0.950 | 0.981 | 0.981 |
| Notes: Statistics based on author's calculations. All estimates are obtained with data for the period from 1965 to 2020 with 3-year intervals. Standard errors are clustered by country pair and are reported in parentheses. \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05 | | | | | | | |