*Online Appendix*

Appendix Table

BASIC STATISTICS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1 Firm Level Estimations (survived firms only)** | | | | | | | | | | | | | | | | | | | | |
| Stats | Upgrade (log) | Size (log) | Foreign Owner | Age (log) | Export | Relocation (out of Yokohama) | Relocation (within Yokohama) | Multi-Plant | Damage | | Damage \* Size | | Num Building (chome) | | Artificial Area (chome) | | Readjustment Policy | | SDAMAGE | |
| mean | 0.2103211 | 0.9360042 | 0.012012 | 2.233657 | 0.006006 | 0.0319767 | .2582583 | 0.1501502 | 0.3183784 | | 0.274786 | | 6.025537 | | 0.1321321 | | 0.2492492 | | 0.172833 | |
| min | –7.133296 | 0 | 0 | 0.6931472 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0.258316 | |
| max | 5.081404 | 8.930627 | 1 | 3.988984 | 1 | 1 | 1 | 1 | 0.93 | | 4.754883 | | 8.216088 | | 1 | | 1 | | .04196 | |
| sd | 1.189496 | 1.28053 | 0.109103 | 0.8913183 | 0.0773816 | 0.1761944 | .4383354 | 0.3577561 | 0.3516258 | | 0.5661909 | | 1.676705 | | 0.339144 | | 0.4332294 | | 0.0856741 | |
|  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  | |
| **2 Prefectural Level Estimation** | | |  |  |  |  |  |  | |  | |  | |  | |  | |  | |  |
| Stats | Damage\* Post Quake | Num Plant (log) | Num Machine Plants (log) | Num Electric Engines (log) | Num Steam Engine (log) | Num Turbine (log) | Num Water Turbine (log) | Num Pelton Wheel (log) | |  | |  | |  | |  | |  | |  |
| mean | 0.0127216 | 6.534862 | 6.157943 | 6.56305 | 4.739356 | 2.184887 | 2.101168 | 1.262553 | |  | |  | |  | |  | |  | |  |
| min | 0 | 3.433987 | 3.044523 | 2.397895 | 3.401197 | 0 | 0.6931472 | 0 | |  | |  | |  | |  | |  | |  |
| max | 0.705 | 9.10019 | 8.999866 | 9.857758 | 6.565265 | 5.225747 | 4.584968 | 3.258096 | |  | |  | |  | |  | |  | |  |
| sd | .0845147 | 0.9668694 | 1.06679 | 1.299453 | 0.8042364 | 1.026377 | 1.140759 | 0.9644773 | |  | |  | |  | |  | |  | |  |
|  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  | |  |
| Stats | Num Gas (log) | Electric Engine (log) | Steam Engine (log) | Turbine (log) | Water Turbine (log) | Pelton Wheel (log) | Gas (log) | Lending (log) | |  | |  | |  | |  | |  | |  |
| mean | 2.899684 | 9.117851 | 8.073781 | 6.15713 | 7.100315 | 5.329402 | 5.60242 | 12.63566 | |  | |  | |  | |  | |  | |  |
| min | 0 | 5.697093 | 5.429346 | 0 | 0 | 0 | 0 | 9.751036 | |  | |  | |  | |  | |  | |  |
| max | 6.077642 | 12.39775 | 11.16929 | 12.45603 | 12.22367 | 11.24344 | 10.16366 | 17.15405 | |  | |  | |  | |  | |  | |  |
| sd | 1.281424 | 1.409705 | 1.19356 | 3.078605 | 2.929253 | 2.85758 | 1.852166 | 1.363767 | |  | |  | |  | |  | |  | |  |

*Source*: Authors’ calculations.