Part of Table III (UN Radj, NM, LN) in Maruo et al. (2017) and their penalized power\*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sim. | Effect | Distribution | BCMMRM  (UN Radj) | | MMRM(NM) | | MMRM (LN) | |
| Test size  / Power | Panelized  power | Test size  / Power | Panelized  power | Test size  / Power | Panelized  power |
| 1 | E1 |  | 3.75 |  | 3.68 |  | 4.97 |  |
|  |  |  | 4.27 |  | 4.70 |  | 4.95 |  |
|  |  |  | 4.67 |  | 5.03 |  | 4.76 |  |
|  | E2 |  | 3.83 |  | 4.39 |  | 5.07 |  |
|  |  |  | 4.49 |  | 5.12 |  | 5.18 |  |
|  |  |  | 4.84 |  | 5.17 |  | 5.10 |  |
|  | E3 |  | 77.3 | 69.1 | 52.7 | 46.9 | 80.1 | 79.5 |
|  |  |  | 77.2 | 72.1 | 73.1 | 71.0 | 79.6 | 78.2 |
|  |  |  | 77.9 | 75.4 | 78.9 | 77.6 | 68.4 | 66.8 |
| 2 | E1 | Weibull | 4.65 |  | 4.98 |  | 4.96 |  |
|  |  | Gamma | 4.42 |  | 4.91 |  | 4.91 |  |
|  | E2 | Weibull | 4.85 |  | 5.70 |  | 5.18 |  |
|  |  | Gamma | 4.51 |  | 5.57 |  | 4.95 |  |
|  | E3 | Weibull | 66.6 | 64.4 | 79.6 | 74.6 | 56.7 | 55.7 |
|  |  | Gamma | 66.8 | 63.2 | 79.4 | 75.2 | 61.7 | 61.2 |

\*Penalized power (Cavus et al. <https://doi.org/10.1080/03610918.2019.1588310>) is penalized using the test size with the largest deviation from the nominal level among E1 and E2