## scores\_tables

2023-06-26

|       | Regression   |              | twCRPS       |       | Log score |         |         |
|-------|--------------|--------------|--------------|-------|-----------|---------|---------|
| Model | $\kappa$     | $\sigma$     | ξ            | Mean  | SD        | Median  | SD      |
| $G_1$ | <b>√</b>     | _            | _            | 0.00  | 0.00      | 0.00    | 0.00    |
|       | _            | $\checkmark$ | _            | 5.39  | 14.03     | -80.52  | 935.30  |
|       | $\checkmark$ | $\checkmark$ | _            | 12.45 | 17.96     | -199.66 | 971.43  |
|       | $\checkmark$ | $\checkmark$ | $\checkmark$ | 21.84 | 22.69     | -432.41 | 1144.93 |

|                      | twC  | RPS   | Log score |        |  |
|----------------------|------|-------|-----------|--------|--|
| Dataset              | Mean | SD    | Median    | SD     |  |
| ERC-FWI              | 0.00 | 0.00  | 0.00      | 0.00   |  |
| $\operatorname{ERC}$ | 0.67 | 8.74  | -7.26     | 92.98  |  |
| FWI                  | 0.74 | 8.71  | -3.86     | 83.23  |  |
| Climate              | 2.29 | 11.48 | -32.96    | 936.40 |  |

|                  | Regression     |              | twCRPS |         | Log score |          |          |            |
|------------------|----------------|--------------|--------|---------|-----------|----------|----------|------------|
| Model            | $\kappa(\mu)$  | $\sigma$     | ξ      | Mean    | SD        | Median   | SD       | Time (hrs) |
| $\overline{G_4}$ | ✓              | _            | _      | 0.00    | 0.00      | 0.00     | 0.00     | 176.92     |
| $G_1$            | $\checkmark$   | _            | _      | 0.23    | 8.71      | -2.66    | 80.37    | 6.44       |
| $G_3$            |                | $\checkmark$ | _      | 0.93    | 8.18      | -54.49   | 68.51    | 92.24      |
| $G_2$            | $\checkmark$   | _            | _      | 10.39   | 14.20     | -45.95   | 66.27    | 8.87       |
| Lognormal        | $(\checkmark)$ | *            |        | 2136.89 | 1010.65   | -1524.69 | 21354.38 | 5.30       |
| Lognormal        | $(\checkmark)$ | _            |        | 2649.11 | 1060.05   | -3269.16 | 32274.91 | 4.49       |

|                      | Reg          | gress        | ion | Difference |        |  |
|----------------------|--------------|--------------|-----|------------|--------|--|
| Model                |              | $\pi$        | δ   | Median     | SD     |  |
|                      | <b>√</b>     | _            | _   | 0.00       | 0.00   |  |
| ZI-Negative Binomial | $\checkmark$ | $\checkmark$ | _   | -45.93     | 274.42 |  |
| ZI-Negative Binoimai | $\checkmark$ | _            | *   | -502.91    | 314.63 |  |
|                      | $\checkmark$ | $\checkmark$ | *   | -544.13    | 307.83 |  |
| ZI-Poisson           | ✓            | <b>√</b>     |     | -1140.01   | 320.45 |  |
| Z1-1 OISSOII         | ✓            | _            |     | -1145.58   | 349.93 |  |

|                      | Difference |        |  |  |  |
|----------------------|------------|--------|--|--|--|
| Dataset              | Median     | SD     |  |  |  |
| Climate              | 0.00       | 0.00   |  |  |  |
| ERC-FWI              | -588.13    | 332.69 |  |  |  |
| $\operatorname{ERC}$ | -738.98    | 342.80 |  |  |  |
| FWI                  | -992.80    | 374.15 |  |  |  |