

**Table.** Evaluation metrics for the three ML methods.

| City             | Metrics                | ANN   | RF    | XGBoost |
|------------------|------------------------|-------|-------|---------|
| Austin, TX       | Mean CV R <sup>2</sup> | 0.15  | 0.28  | 0.22    |
|                  | MAPE                   | 28.24 | 24.47 | 68.67   |
|                  | MSE                    | 10683 | 8649  | 8341    |
|                  | R <sup>2</sup>         | 0.15  | 0.32  | 0.28    |
| Boston, MA       | Mean CV R <sup>2</sup> | 0.56  | 0.71  | 0.63    |
|                  | MAPE                   | 46.25 | 34.10 | 60.13   |
|                  | MSE                    | 22372 | 20489 | 5967    |
|                  | R <sup>2</sup>         | 0.36  | 0.41  | 0.69    |
| Chicago, IL      | Mean CV R <sup>2</sup> | 0.41  | 0.57  | 0.52    |
|                  | MAPE                   | 33.43 | 22.64 | 47      |
|                  | MSE                    | 23689 | 19091 | 5832    |
|                  | R <sup>2</sup>         | 0.23  | 0.37  | 0.62    |
| Los Angeles, CA  | Mean CV R <sup>2</sup> | 0.30  | 0.59  | 0.69    |
|                  | MAPE                   | 89.42 | 60.23 | 23.61   |
|                  | MSE                    | 4020  | 2892  | 2291    |
|                  | R <sup>2</sup>         | 0.35  | 0.53  | 0.63    |
| New York, NY     | Mean CV R <sup>2</sup> | 0.52  | 0.71  | 0.72    |
|                  | MAPE                   | 58.00 | 30.20 | 40.06   |
|                  | MSE                    | 11863 | 7533  | 4912    |
|                  | R <sup>2</sup>         | 0.54  | 0.70  | 0.79    |
| Philadelphia, PA | Mean CV R <sup>2</sup> | 0.37  | 0.45  | 0.47    |
|                  | MAPE                   | 31.65 | 26.11 | 36.82   |
|                  | MSE                    | 12388 | 8749  | 2530    |
|                  | R <sup>2</sup>         | 0.38  | 0.56  | 0.65    |
| Seattle, WA      | Mean CV R <sup>2</sup> | 0.36  | 0.57  | 0.53    |
|                  | MAPE                   | 27.95 | 21.52 | 25.30   |
|                  | MSE                    | 1837  | 1259  | 1349    |
|                  | R <sup>2</sup>         | 0.29  | 0.51  | 0.48    |
| Washington D.C.  | Mean CV R <sup>2</sup> | 0.51  | 0.72  | 0.80    |
|                  | MAPE                   | 50.68 | 28.46 | 22.62   |
|                  | MSE                    | 6930  | 3349  | 1196    |
|                  | R <sup>2</sup>         | 0.43  | 0.72  | 0.85    |