|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Randon Forest | XGBoosting | Neural Network | Poisson Regression | Negative Binomial Regression | Linear Regression |
| RMSLE | 0.412 | 0.429 | 0.435 | 0.440 | 0.443 | 0.433 |
| MAE | 5.175 | 5.303 | 5.461 | 5.526 | 5.598 | 5.413 |
| MSE | 68.235 | 67.581 | 78.277 | 76.335 | 78.205 | 83.621 |
| RMSE | 8.260 | 8.221 | 8.847 | 8.737 | 8.843 | 9.144 |

**Table 1.** Regression metrics used in the 6 evaluated models in training dataset (RMSLE = Root Mean Squared Logarithmic Error; MAE = Mean Absolute Error; MSE = Mean Squared Error; MAE = Mean Absolute Error; RMSE = Root Mean Squared Error)