The results of the classifiers are displayed in the following table. In the case of the Naïve classifiers, the best score was used in the different situations. These were the entire dataset, removing outliers, taking only the years before 2015 into consideration and only considering 2015.

|  |  |  |  |
| --- | --- | --- | --- |
| Classifier | Method | RMSLE[[1]](#footnote-1) | Kaggle Rank (3077) |
| Benchmark Submission | Naïve XGBoost | 0.67333 | 3034 |
| XGBoost | Single | 0.32575 | 1856 |
| XGBoost | Ensemble with 3 models | 0.31062 | 266 |
| XGBoost | Ensemble with 3 models  Readjustment of submission | 0.31051 | 168 |
| Deep Learning | Dense and Dropout | 0.46745 | 2870 |
| Random Forest | Naïve | 6.12138 | 3072 |
| SGD Regressor | Naïve | 0.59560 | 3021 |
| Linear Regression | Complete dataset  Only 2015 | 0.49689 | 2897 |
| KNNeighbors | Amount of neighbors (6)  Removing outliers  Only 2015 | 0.93122 | 3050 |
| Decision Tree | Complete dataset  Only 2015 | 0.58460 | 3020 |
| Random Forest | Removing outliers  Only 2015 | 0.75239 | 3040 |
| Gradientboosting Regressor | Complete dataset  Only 2015 | 0.41384 | 2767 |

1. Root Mean Squared Logarithmic Error [↑](#footnote-ref-1)