|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | XGBoosting Regression | Random Forest Regression | KNN Regression | Support Vector Regression | Linear Regression | Holt’s Method | Simple Exponential Smoothing | Holt’s Winter Method | Facebook’s Prophet Forecasting Package |
| Unemployment | X | X | X | X | **X** | X |  |  |  |
| Temperature |  |  |  |  |  | X | **X** | X |  |
| Education |  |  |  |  |  | **X** | X |  |  |
| Population | X | X | X | X | X | **X** |  |  |  |
| Affordability |  |  |  |  |  | X | **X** | X |  |
| Crime |  |  |  |  |  | X |  |  | **X** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | XGBoosting Regression | Random Forest Regression | KNN Regression | Support Vector Regression | Linear Regression | Holt’s Method | Simple Exponential Smoothing | Holt’s Winter Method | Facebook’s Prophet Forecasting Package |
| Unemployment | 3368.33 | 3939.78 | 3295.36 | 5910.57 | **0.64** | 3227.48 |  |  |  |
| Temperature |  |  |  |  |  | 4.95 | **2.08** | 2.30 |  |
| Education |  |  |  |  |  | **19001.62** | 29751.12 |  |  |
| Population | 75253.47 | 10570.68 | 12792.01 | 13401.63 | 16406.7 | **3012.28** |  |  |  |
| Affordability |  |  |  |  |  | 0.43 | **0.32** | 0.5 |  |
| Crime |  |  |  |  |  | 1414.32 |  |  | **910.16** |

Graphs:

Unemployment:

Temperature:

Education:

Population:

Affordability:

Crime: