**Using AT feature only**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 feature (AT) | MSE | R-Sq | MAE |
| LinearRegression | 5.373904821866245 | 0.9046506832606523 | 4.176011784780766 |
| DecisionTreeRegressor | 6.2581699830765265 | 0.8706899275428412 | 4.821867721088435 |
| RandomForestRegressor | 5.879247985368589 | 0.8858748916840704 | 4.5462165923582925 |
|  |  |  |  |

**Using AT, V feature**

|  |  |  |  |
| --- | --- | --- | --- |
| 2 Feature (AT, V) | MSE | R-Sq | MAE |
| LinearRegression | 4.906210095561122 | 0.9205251113207967 | 3.823144821712899 |
| DecisionTreeRegressor | 4.677189466289711 | 0.9277716705117737 | 3.234375 |
| RandomForestRegressor | 3.815899886715057 | 0.951923638853724 | 2.724848900955389 |
|  |  |  |  |

**Using AT, V, RH**

|  |  |  |  |
| --- | --- | --- | --- |
| 3 Features (AT, V, RH) | MSE | R-Sq | MAE |
| LinearRegression | 4.486334513633366 | 0.9335460270999536 | 3.5182946868744893 |
| DecisionTreeRegressor | 4.938373626147436 | 0.9194796722746519 | 3.3887071428571427 |
| RandomForestRegressor | 3.628431251624348 | 0.9565314210805601 | 2.62227192857142 |
|  |  |  |  |

**Using AT, V, AP, RH**

|  |  |  |  |
| --- | --- | --- | --- |
| 4 Features AT, V,AP,RH | MSE | R-Sq | MAE |
| LinearRegression | 4.486612335454539 | 0.9335377963559591 | 3.5340813044163886 |
| DecisionTreeRegressor | 4.690525313254978 | 0.9273592009483155 | 3.181457142857143 |
| RandomForestRegressor | 3.395416449338088 | 0.9619351834333573 | 2.413854642857134 |
|  |  |  |  |