

```

Intercept is: 2569.082039358793
The st of coefficients are: [ 9.94325816e+01  5.28514991e+03  3.01920069e+03 -9.22243208e-01
-3.77828106e+02 -7.90441123e+02  1.16826923e+03]
The R-Squared value is: 0.5690129957443837
-----Linear Regression-----

Mean Errors
Mean Absolute Error: 39737.931020439224
Mean squared Error: 2467994024.037981
Root Mean Squared Error: 49678.90924766748

Predictions Data
    Predictions  Actual values      mislead  mislead_percentage
0  218140.083353  170835.035713 -47305.047640          21.685628
1  134983.643289  126913.469998 -8070.173291           5.978631
2  255280.921669  246611.883092 -8669.038578           3.395882
3  257975.532039  244250.462969 -13725.069070           5.320299
4  277164.618697  271127.650112 -6036.968586           2.178117
Mean of mislead: 19.04 %
Accuracy: 80.96000000000001 %

-----Decision Tree-----

Mean Errors
Mean Absolute Error: 58491.57704681523
Mean squared Error: 5307531943.987398
Root Mean Squared Error: 72852.8101310265

Predictions Data
    Predictions  Actual values      mislead  mislead_percentage
0  304004.689866  170835.035713 -133169.654153          43.805131
1  153266.593038  126913.469998 -26353.123040          17.194303
2  269563.852814  246611.883092 -22951.969722           8.514483
3  291969.012618  244250.462969 -47718.549649          16.343703
4  277700.009619  271127.650112 -6572.359508           2.366712
Mean of mislead: 39.63 %
Accuracy: 60.37 %

Decision tree depth: 39
-----Random Forest-----

Mean Errors
Mean Absolute Error: 42315.4337764061
Mean squared Error: 2811046148.0205717
Root Mean Squared Error: 53019.299769240366

Predictions Data
    Predictions  Actual values      mislead  mislead_percentage
0  221969.019951  170835.035713 -51133.984238          23.036541
1  145680.337346  126913.469998 -18766.867348          12.882224
2  272866.753640  246611.883092 -26254.870548           9.621865
3  313518.654668  244250.462969 -69268.191699          22.093802
4  264888.864001  271127.650112  6238.786111          -2.355247
Mean of mislead: 20.48 %
Accuracy: 79.52 %

```