**Theory**

*Compute the coefficients for the linear regression using global least squares estimate (LSE) where the second value is the dependent variable (the value to be predicted)*

***Using Closed Form Linear Regression***

1. Standardize the data.
2. Compute the weights by using .

**Closed Form Linear Regression**

The final model in the form is

The root mean squared error.

|  |  |
| --- | --- |
| RMSE: | 853.380588 |

**S-Folds Cross-Validation**

The root mean squared error.

|  |  |
| --- | --- |
| RMSE: | 634.816732 |