**Model result interpretatition**

With an MSE of 287.82 , it indicates that the average squared difference between your models predictions and the actual values is quite high .A lower MSE is generally better , so this values suggests that the model’s production prediction are not very accurate.

An r-squared of -0.0037 suggests that the model is performing worse than a simple mean based model (which would have an r squared of 0). This negative value implies that your model is not only failing to explain the variance but actually adding error beyond what would be expected by just predicting the mean value of the target variable

An MAE of 14.84 indicates that , on average ,the model’s predictions are off by about 14.84 units from the actual values .While this is a more interpretable metric compared to MSE (because it’s in the same units as the target variable),it still suggests a significant discrepancy between predictions and actual values.