[ML' 23] Simple Linear Regression Assignment

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UMS Level: 3 (Junior)

Results:

Column	Mean Square Error	R2 Score
Store	2.653984e+11	0.110602
CPI	2.969484e+11	0.004872
Temperature	2.977744e+11	0.002104
Fuel Price	2.983092e+11	0.000312
Date	2.983788e+11	0.000079
Day	2.980999e+11	0.001013
Month	2.976846e+11	0.002405

Conclusion:

Given the results, **the Store variable** is the one with the lowest *Mean Square Error* and also have the least imperfect *R2 Score*.

With little to no context about this data, it's hard to draw conclusions without speculating.

The store variable being the best available by a wide margin separating it from the rest of the field could be explained in a couple of different ways:

1. Stores that were opened earlier, grew a wider customer base that have confidence in their products and integrity much more than the newer stores.

2. Older Stores might have the bigger capacity and therefore, the more sales.