REPORT OF INSIGHT ON GARAGE DATASET

By: Isaac Owusu Akowuah

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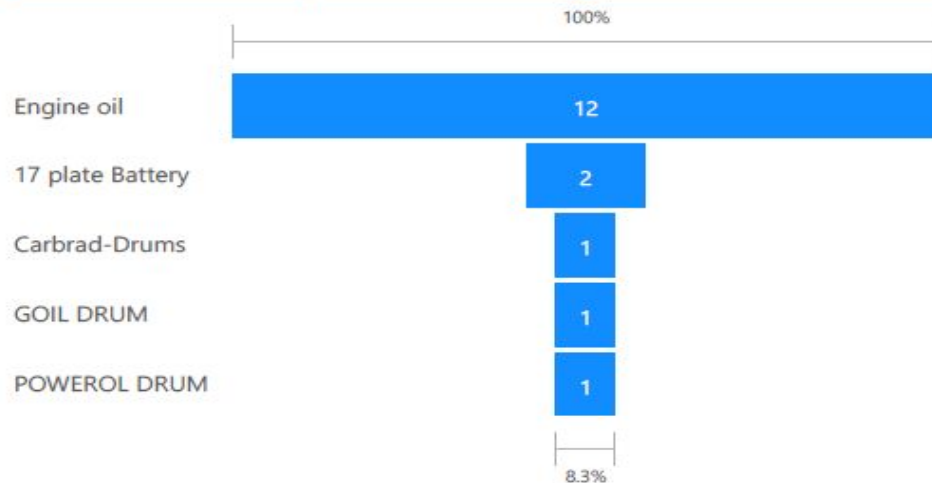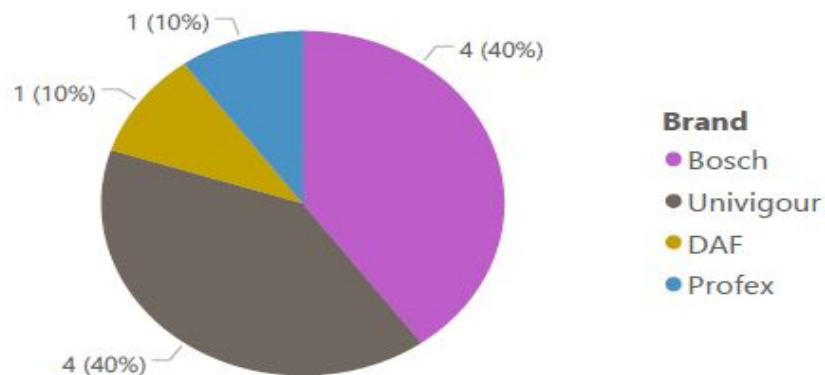# Dashboard of Insight

GARAGE MOBILITY

Quality auto servicing & financing
Drive Wise | Drive Green

Total Sum of Prices of Items

40.66K

Count of Price by Distributor

Distributor	Count of Price
Willie Porch Ent.	234
Zebrex Motors Ltd	136
Autofast Limited	30
K Boadu	11
Kaboro Enterprise	5
Total	416

- Increase
- Decrease
- Total

Top ten Items by Price

100%

Item	Value
Engine oil	12
17 plate Battery	2
Carbrad-Drums	1
GOIL DRUM	1
POWEROL DRUM	1

8.3%

Top 5 Brand by Price

1 (10%)
4 (40%)
1 (10%)
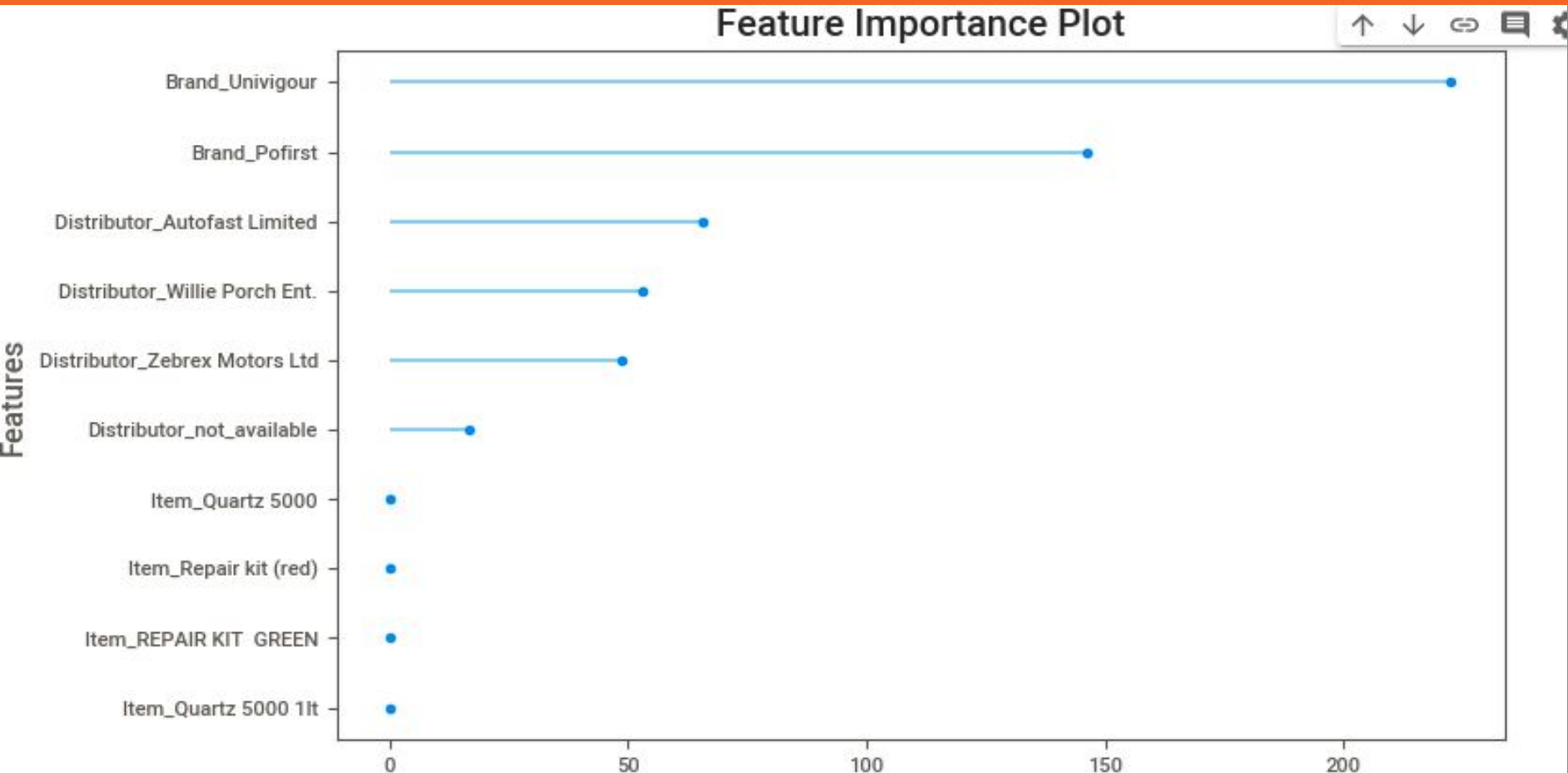4 (40%)

Brand
- Bosch
- Univigour
- DAF
- Profex

Dashboard of Insight

➤ 1.1 Between the period of Tuesday, 18 January 2022 and Friday, 21 January 2022. We had total price of Items purchased to be 40,661.2

➤ 1.2 The top five Items purchased with high Prices includes: Engine oil, 15 Plate Battery, 17 Plate Battery, 150 AH Battery and 17 Plate Battery 150

➤ 1.3 Among the Items purchased excluding those with unknown distributors, most of them come from Distributors in order of Willie Porch Ent, Zebrex Motors Ltd, Auto Fast Limited, K. Boadu and Kaboro Enterprise.

➤ 1.4 The top four Brands of Items by Price includes: Bosch, Univigor, DAF, Profex

Machine Learning Model to Predict Item Price

➔ A lasso Regression Model was built to predict the Price of an Item.

➔ The most important features to determining the Price of an Item included the Brand of the Item and the Distributor. Specifically with the Brand: Univigor and Pofirst had a deterministic factor. For the Distributor: Autofast Limited, Willie Porch and Zebrex Motors Limited had an important deterministic factor.

Machine Learning Model Feature Importance

Feature Importance Plot

Thank You!