

# PRIVATE LABEL CANDIDATE IDENTIFICATION

FOR A LEADING ONLINE PROVIDER OF AFTERMARKET AUTOMOTIVE PARTS

# **CLIENT OVERVIEW**

retailer of automotive parts and accessories.

Their products are available on their own portal and also sold through other online marketplaces such as eBay and Amazon.



They sell over **5,50,000** top rated discount car parts, covering parts from all makes and models of both domestic and international vehicles.

## The ability to make intelligent decisions that drive growth, disrupt the market and capitalize on emerging

**DID YOU KNOW?** 

opportunities is now linked less to gut feeling and more to intelligence and data-driven insights.

WHAT CONSUMERS THINK?

Private Brand is now a **BETTER VALUE** for the money.



It now offers greater **VARIETY**.



They shop at a store specifically for its

private brand.



### Retailers can make margins 25-30% higher than from manufacturer brands.

WHAT'S IN IT FOR RETAILERS?









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likelihood of being most profitable.

came to their aid.

These were combined to architect an actionable dashboard that ranks the product on their

Finding the right candidates from an assortment

of 5,50,000 auto parts and accessories well in

Little-to-no

advance since it takes considerable time from

**TAKING IT FROM IF TO DONE** 

### identification to launch. towards selecting the right products.

**Causal Relationships** 

Intervention **Not Considered** 

**Timely Market** 

**Opportunity** 

**Search Trends** 

Lack of comprehensive analytical information on

analysis resulted in a more conservative approach

Manual

consumer preferences, due to which brand

Considered

**Associated** 

**Products** 

**New & Old Vehicles** 

in Operations

**Bucketizer algorithm** 

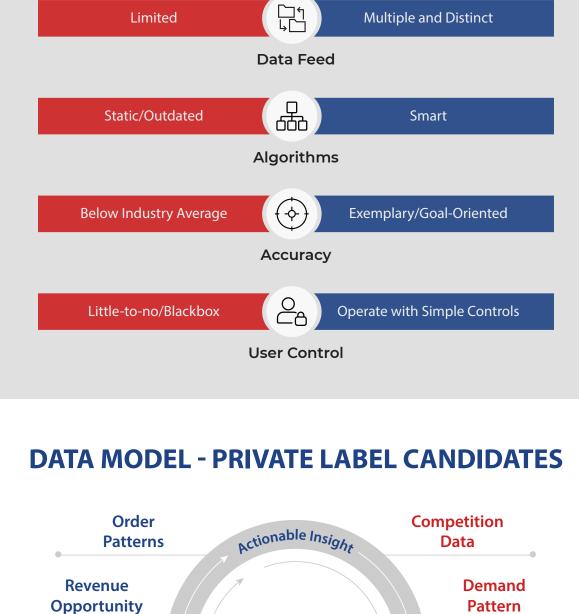
was also used to transforms a column of

continuous features to a column of feature buckets. Bucketizer helps in

putting the data into buckets. This helps

in finding the probability of the given

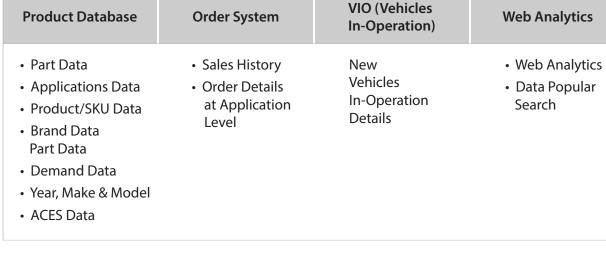
bucket instead of finding probability for each continuous variable.



# Data

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# relevant products set in next 3 months sales.

**ALGORITHMS USED** Our business goal was to classify products (SKUs) to be in top 3% of overall

### was the best suited machine learning algorithm for the given private label business problem at hand. It is not only simple but computationally very cheap

**Naïve Bayes** 

compared to other machine learning algorithms.

**BUSINESS IMPACT** 

Campaign

Optimization

and the offered price was 8-10% lower than the 20-25% higher.

The client was able to achieve

15% revenue share

within one year of launch.

### competition's prices and profit margins

The client could compete on prices

Candidates

The client could successfully

identify and launch

several products

such as rear view and side

view mirrors.

Private-label Workforce

Customer

Retention

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