

# DataStorm 4.0

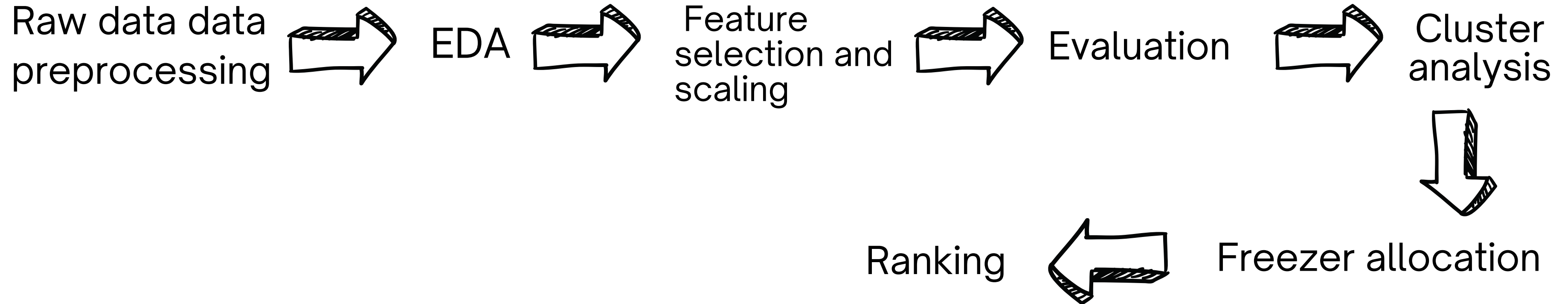
3\_Amigos

# Problem Definition

- The business problem presented in this case is to optimize the freezer assortment and volume allocation for Company XYZ's products in their stores.
- The goal is to maximize the total margin earned from each store by ensuring a balanced product assortment, avoiding stock shortages, and fulfilling orders efficiently.

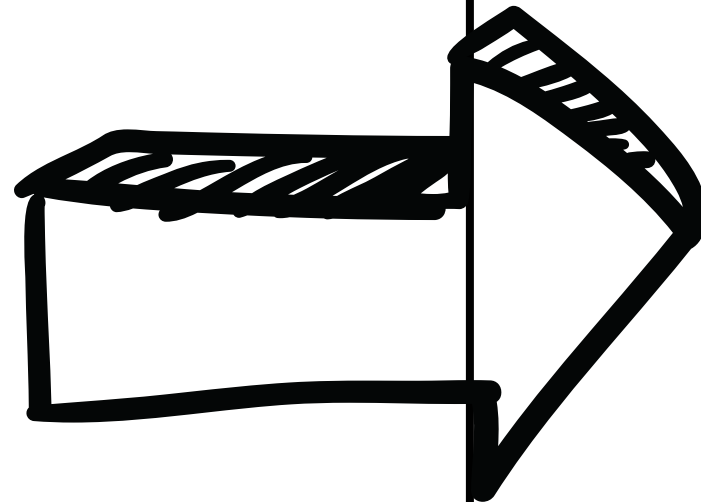


# Methodology



# Features

- Outlet\_ID km(cluster)
- Freezer
- pid
- Sum of total volume,
- Sum of total sales,
- rank
- Outlet\_ID
- area(sqft)
- volume
- product\_name
- price, cost
- stock
- Freezer Name, Model Number
- Volume Capacity
- Power and maitainance Cost
- Week, Start Date, End Date



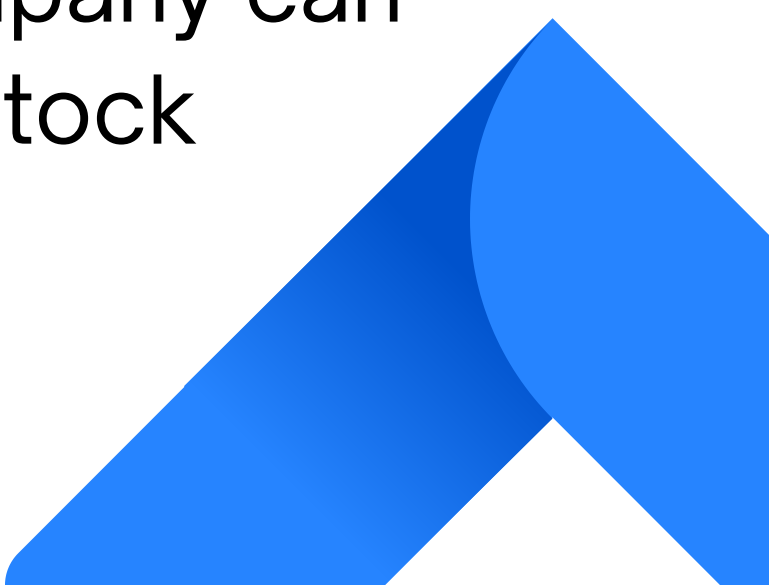
- Pid
- rank
- product\_name
- margin
- Stock\_Total\_volume
- Sum\_of\_total\_Margin

# Key Insights

we identified the top-selling products for each segment and ensuring they are stocked in the freezers across all stores



# Interventions

- Ensure stock availability: To fulfill orders in a timely and efficient manner, it is important to ensure that the total stock distributed is below the current available stock.
  - Monitor and adjust assortment and volume: Regularly monitor the sales data and adjust the assortment and volume of products in each freezer type as needed to optimize sales and margin.
  - Implement dynamic pricing strategies: By implementing dynamic pricing strategies based on demand and supply conditions, the company can optimize their pricing to maximize margins while minimizing stock shortages or overstocking.
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The background features a white canvas with several overlapping circles in two shades of blue. A prominent white diagonal line runs from the top-left towards the bottom-right, passing through the circles. The circles are arranged in a way that creates a sense of depth and movement.

**Thank You**