Potential use cases

1. Create a loyalty program (vouchers, discounts, etc.) based on customer groups
2. Estimating warehouse layout based on stock movements/picking data
3. Optimized product placement in the warehouse leading to reduced picker time and eventually reducing the CPO.

Objective:- To reduce the picking time by optimized product placement in the warehouse

Data availability:-

* track picking events using the fulfillment-dwh-production.dl\_dmart.pelican\_order\_events table . when event = “CART\_UPDATED”, the item is being scanned by the picker and put into the cart.
* fulfillment-dwh-production.cl\_dmart.location\_based\_inventory, record all inbound/putaway events from purchase orders or store transfers. This contains timestamps and references to the order that the inventory was on.
* movement events in fulfillment-dwh-production.raw\_dmart.inventory\_management\_tool\_location\_movements, which appear to be only internal movements from one location to another.

Resources:-

[LBI presentation](https://docs.google.com/presentation/d/1Rd8KLG8prztAkIzCpZienDQSuIcgO3GteF6jMYQ7QWk/edit#slide=id.ged7e29b724_2_289), [Innovation hub LBI](https://docs.google.com/presentation/d/1gYkptZINmn2s36v3ymNQ9tT1il-VnDIZ1iLgEAIbLBM/edit#slide=id.g1351bf14b61_2_0)

Solution Validation:- ?