

Section 1: Datasets & Features

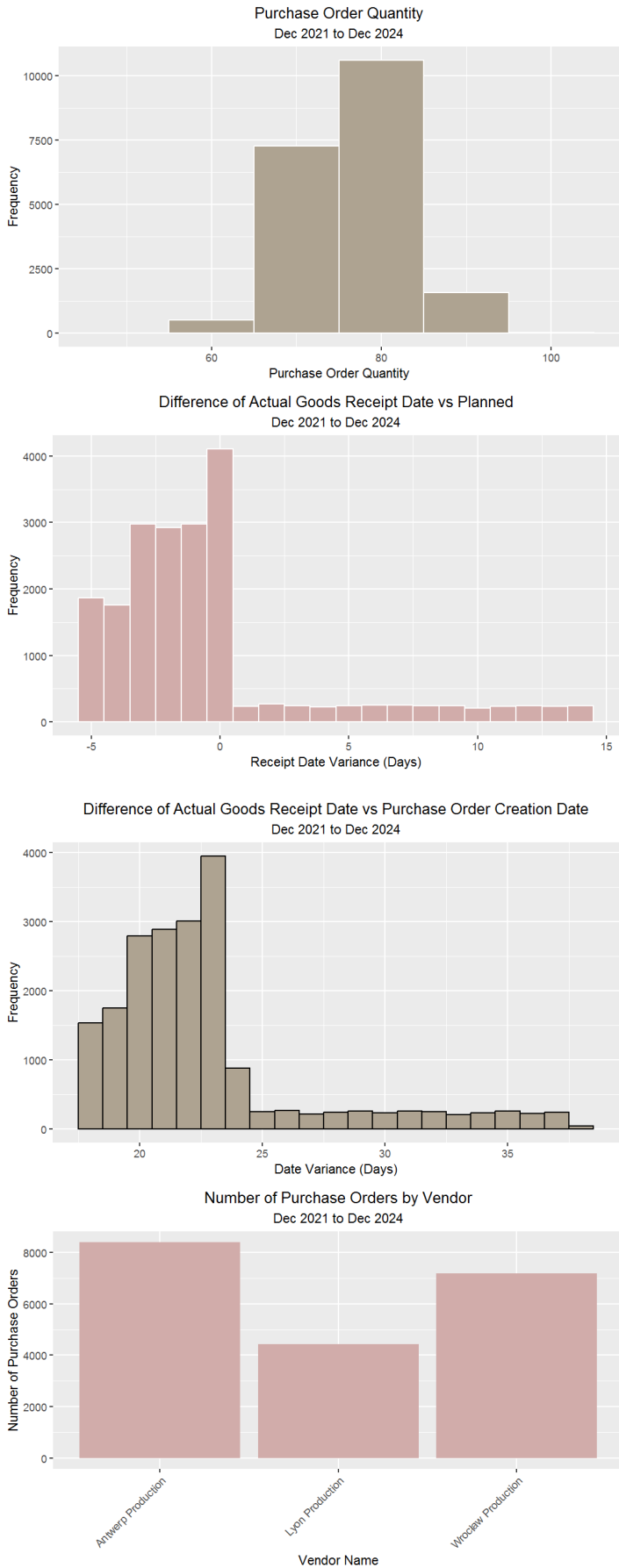
Datset Name: Purchases	Data Type	Format
PurchaseOrder	Categorical	Number
PurchaseOrderCreationDate	Numeric	Date
VendorKey	Categorical	Number
PlantKey	Categorical	Number
MaterialKey	Categorical	Number
MaterialPlantKey	Categorical	Number
PurchaseOrderQuantity	Numeric	Number
PlannedGoodsReceiptDate	Numeric	Date
ActualGoodsReceiptDate	Numeric	Date
PlannedArrivalDateYard	Numeric	Date
ActualArrivalDateYard	Numeric	Date
PlannedVendorShipmentDate	Numeric	Date
ActualVendorShipmentDate	Numeric	Date
VendorTier	Categorical	String
VendorName	Categorical	String
VendorCountry	Categorical	String
VendorCity	Categorical	String
VendorPostalCode	Categorical	String
VendorStreet	Categorical	String
Plant	Categorical	String
PlantType	Categorical	String
PlantName	Categorical	String
PlantCity	Categorical	String
PlantPostalCode	Categorical	String
PlantStreet	Categorical	String
Material	Categorical	String
MaterialType	Categorical	String
MaterialDescription	Categorical	String
Product Category	Categorical	String
Component	Categorical	String
StandardCost	Numeric	Number
Currency	Categorical	String
ProductionTime	Numeric	Number
InboundTransportationTime	Numeric	Number
GoodReceiptProcessingTime	Numeric	Number
TotalInboundLeadTime	Numeric	Number
SafetyStockQty	Numeric	Number

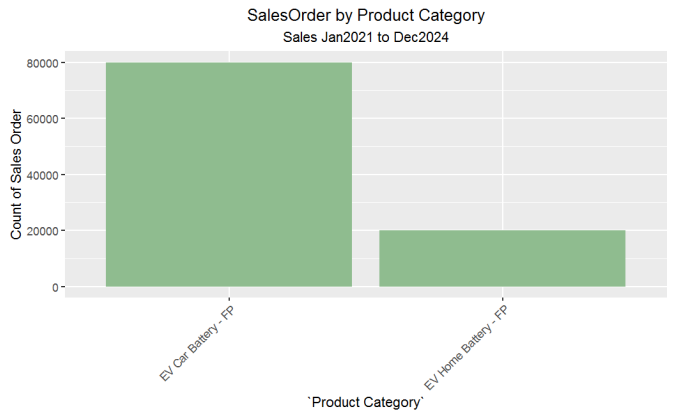
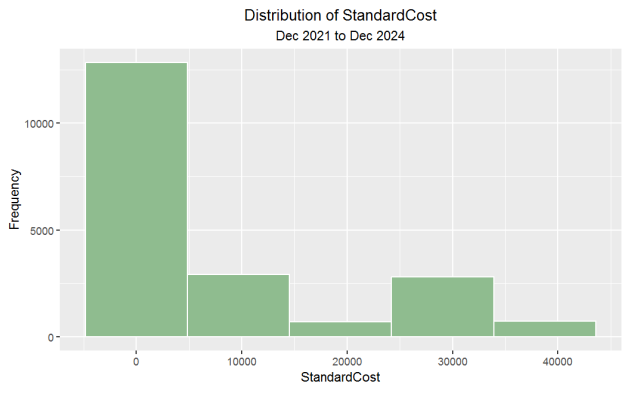
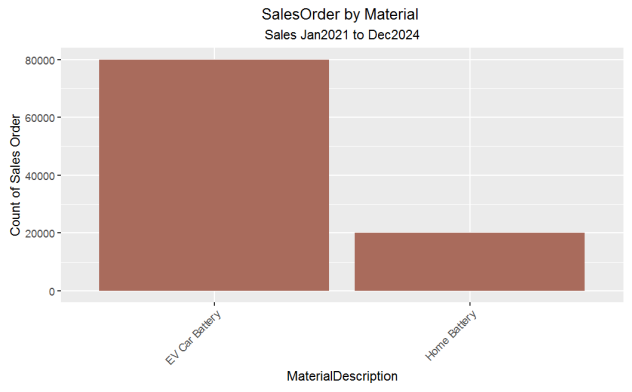
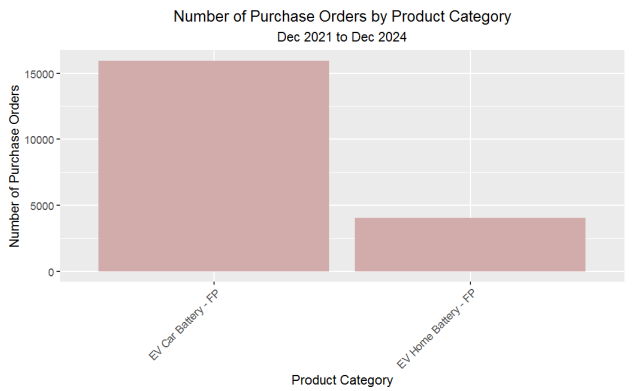
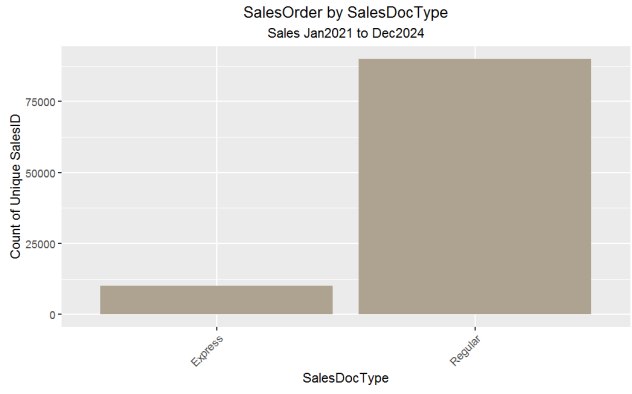
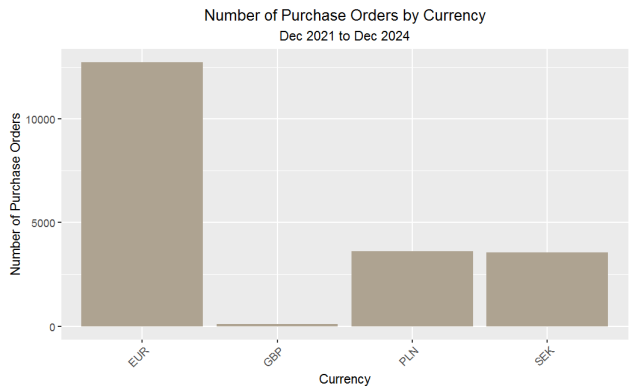
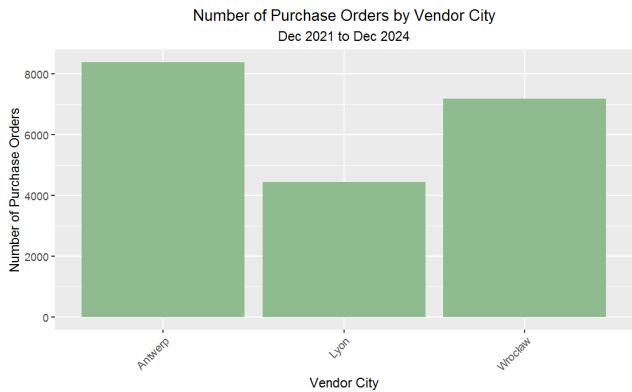
Datset Name: Sales	Data Type	Format
SalesOrder	Categorical	Number
SalesOrderItem	Categorical	Number
SalesOrderCreationDate	Numeric	Date
CustomerKey	Categorical	Number
MaterialKey	Categorical	Number
OrderQuantity	Numeric	Number
PlantKey	Categorical	Number
MaterialPlantKey	Categorical	Number
SalesDocType	Categorical	String
RequestedDeliveryDate	Numeric	Date
DeliveryDate	Numeric	Date
HighOrderQtyFlag	Categorical	Number
CustomerCountry	Categorical	String
CustomerCity	Categorical	String
MaterialType	Categorical	String
MaterialDescription	Categorical	String
Product Category	Categorical	String
Component	Categorical	String

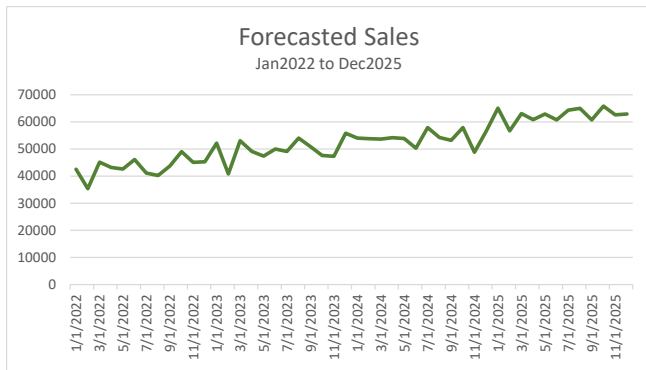
Datset Name: Forecast	Data Type	Format
RequestedDeliveryMonth	Numeric	Date
MaterialKey	Categorical	Number
PlantKey	Categorical	Number
Quantity	Numeric	Number
MaterialPlantKey	Categorical	Number

Datset Name: Inventory	Data Type	Format
MaterialKey	Categorical	Number
PlantKey	Categorical	Number
MaterialPlantKey	Categorical	Number
SnapshotDate	Numeic	Date
GrossInventoryQuantity	Numeric	Number
OnShelfInventoryQuantity	Numeric	Number
InTransitQuantity	Numeric	Number

Section 2: Univariate Exploratory Data Analysis







Section 4: Findings

Receipt of goods usually takes 18 to 24 days from order creation date. EV Car Battery sells more than Home Battery. Göteborg DC and Lyon DC seem to stock inventory for Car Battery and Home Battery of equal quantities while Antwerp DC's inventory is almost all EV Car Batteries. Lastly, majority of customers come from Germany.

Section 3: Select Feature x Feature Combinations

