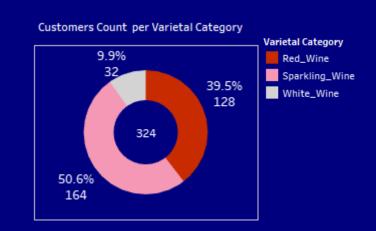
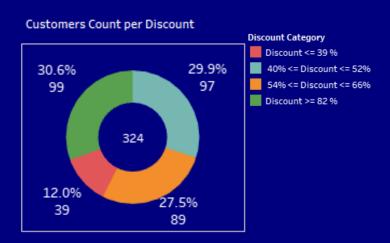
Customers Segmentation using ML (K-means, k=4) Powered by Tableau

Optimizing Wholesale Wine business by segmenting customers behavior

Customers Behavior from all sales perspective:

- 50.6% of the customers were only Sparkling Wine lovers:25% Champagne, 13.3% Prosecco and 12.3% Espumante
- 39.5% of the customers were only Red Wine lovers:
 13.6% Pinot Noir, 9.9% Cabernet Sauvignon, 9.99% Malbec and 6.2% Merlot
- 9.9% of the customers were only White Wine lovers:5.2% Pinot Grigio, and 4.6% Chardonnay
- ❖ Almost ~40% of the Wine is coming from France, next Australia 12% and Chile 11.4%
- Wine Discount were almost distributed evenly above 40%:





Customers Segmentation using ML (K-means, k=4) Powered by Tableau

Optimizing Wholesale Wine business by segmenting customers behavior



<u>Customers Behavior from ML K-means (k=4) Segmentation perspective:</u>

- Cluster_0 represents customers who loves both French Red Wine and Sparkling Wine (89% consumes >= 72 Min Qty) specifically: Cabernet Sauvignon & Champagne.
- Cluster_1 represents customers who loves Sparkling Wine (75% consumes >= 72 Min Qty) mainly Champagne but in general
 they enjoys French sparkling Wine.
- Customers from both Cluster_0 & Clusters_1 (More than 75% of them, consumes >= 72 Min Qty), they love Cabernet
 Sauvignon & Champagne specially if there's high Discounts since they're heavy consumers (Focus group of customers to
 increase sales by introducing more Discounts on Cabernet Sauvignon & Champagne)
- Cluster_2 represents customers who are not heavy Wine consumers (Almost 100% of them, consumes = 6 Min Qty) but still they enjoys French Wine in general (sparkling, Red, and some white). (Focus group of customers to increase revenue by introducing more wine varieties because these guys are NOT wine specific who are not settled yet and the would try more or new varieties).
- Cluster_3 represents customers who loves Red Wine specifically Pinot Noir. These guys will buy Pinot Noir regardless
 if there's big Discount or not and they don't care about the origin either. They're just Pinot Noir lovers!! (Focus group of
 customers to increase revenue by increasing Pinot Noir price!!).