Market Report Core Findings

#### 1. Customer Segmentation Analysis

Our analysis identified four distinct customer segments based on income, age, and total spending patterns. Key insights include:

Segment 0: This group has an average income of \$40,663.8 and an average age of 55.9 years. Their total spending is approximately \$176,462, with a preference for wine products (`MntWines`).

Segment 1: This group has an average income of \$40,032.4 and an average age of 54.6 years, making it the youngest segment among the four. Despite being younger, their spending habits align closely with Segment 0, totaling around \$175,833, also favoring wine products.

Segment 2: This is the highest-income group, with an average income of \$73,053.2 and an average age of 57.9 years. They exhibit significantly higher spending behavior, reaching a total of \$974,371. Similar to Segments 0 and 1, this group also prefers wine products.

Segment 3: This segment stands out as having the lowest income (\$7,144) and lowest total spending (\$416). Unlike the other groups, they prefer gold products (`MntGoldProds`) over wine.

#### 2. Key Points

The highest-income group is Segment 2, which not only spends more but also demonstrates a strong affinity for wine products.

The youngest group is Segment 1, though their preferences align with older segments in terms of product choice (wine).

Across all segments, wine products (`MntWines`) are the most popular, except for Segment 3, which favors gold products (`MntGoldProds`).

#### 3. Demand Forecasting

Based on historical data and trend analysis, we forecast peak sales in the next six months to reach 618.31 units. This indicates a significant opportunity for targeted marketing efforts to capitalize on this projected demand increase.

#### Strategic Recommendations

#### 1. Targeted Marketing Campaigns

Segment 0 and Segment 1: Given their similar preferences for wine products and moderate income levels, consider launching campaigns that emphasize value-for-money offers or loyalty programs. For example, discounts on bulk purchases of wine or exclusive promotions for repeat customers could drive further engagement.

Segment 2: As the highest-income group with the largest spending capacity, tailor luxury-focused marketing strategies to appeal to this segment. Highlight premium wine selections, exclusive events, or personalized concierge services to enhance their shopping experience.

Segment 3: Although this group has the lowest income and spending, their preference for gold products presents a niche market opportunity. Develop affordable yet appealing gold product lines or bundle offers that cater to their budget constraints while still meeting their preferences.

#### 2. Product Portfolio Optimization

Since wine products (`MntWines`) are favored by three out of four segments, ensure a diverse range of wine offerings catering to different price points and tastes. Introduce seasonal or limited-edition wines to create urgency and excitement among customers.

For Segment 3, expand the selection of gold products to include more entry-level options that align with their purchasing power. Collaborate with suppliers to offer cost-effective yet attractive designs.

### 3. Leverage Demand Forecasting

With the forecasted peak sales of 618.31 units, prepare inventory accordingly to avoid stockouts during high-demand periods. Focus on ensuring sufficient supply of wine products, as they are the most sought-after across multiple segments.

Use this forecast to plan promotional activities strategically. For instance, schedule wine-tasting events or special deals closer to the forecasted peak period to maximize sales conversion.

#### 4. Enhanced Customer Engagement

Implement personalized communication strategies for each segment. For example, send tailored email newsletters highlighting relevant products and promotions based on their preferences (e.g., wine for Segments 0, 1, and 2; gold products for Segment 3).

Encourage feedback from customers through surveys or social media interactions to better understand evolving preferences and refine future marketing efforts.

By leveraging these actionable insights, the company can effectively address the needs of its diverse customer base, optimize resource allocation, and capitalize on upcoming sales opportunities.





