

# Recommendations

## 1. Champions & Loyal Customers (High Recency, High Frequency, High Monetary Value)

**Profile:** These are your most engaged and profitable customers. They frequently purchase and respond well to new products or exclusive offerings.

### Recommendation:

- **Product Strategy:** Offer **early access to newly bundled gift sets**, particularly high-performing decorative items identified in Apriori analysis (e.g., *T-light holders, patterned bags, themed storage boxes* in the UK).
- **Engagement Tactic:** Position this as “VIP exclusive bundles” or “preferred buyer collections.”
- **Timing:** Launch just ahead of peak demand periods (e.g., **late October** for holiday products in the UK and Germany, **early summer** for household bundles in Germany).
- **Channel:** Email campaigns, private landing pages, or custom offers for repeat wholesale buyers.

## 2. Potential Loyalists & Promising Customers (Moderate Frequency, Good Recency, Growing Monetary)

**Profile:** These are customers who are close to becoming loyal buyers. A small push can convert them into high-value segments.

### Recommendation:

- **Product Strategy:** Introduce **mid-tier practical bundles**, such as *kitchen sets or snack boxes* seen in France and Germany. Offer a discount for bulk purchase or repeat orders.
- **Engagement Tactic:** Create an incentive-based loyalty tier (e.g., “Buy 3 bundles, get next 10% off”) and upsell during peak cycles.

- **Timing:** Align offers with medium-volume demand periods (e.g., **May–June or September** in continental Europe).
- **Channel:** Newsletter inserts, re-targeting ads, or sales rep outreach for high-potential accounts.

### **3. At Risk & About to Sleep Customers (Low Recency, High Past Frequency/Monetary)**

**Profile:** These were once valuable customers but haven't engaged recently. They need personalized reactivation strategies.

#### **Recommendation:**

- **Product Strategy:** Offer **limited-time bundles** that include frequently bought products from their past purchases (e.g., themed bags, gift items) based on Apriori results. Consider bundling with a small, free add-on to encourage re-trial.
- **Engagement Tactic:** Use urgency tactics like “We miss you!” or “Last chance to get your favorites before the season ends.” Include reorder links to previously purchased products.
- **Timing:** Launch **2–3 weeks before forecasted seasonal peaks** (e.g., early November in the UK, August in Germany) to re-engage before your highest-traffic periods.
- **Channel:** Personalized email, SMS, and direct sales calls for B2B customers.

## Conclusion

Our overall analysis directly answers the central question: how can transactional data be leveraged to understand customer behavior, track lifecycle trends, and build a sustainable competitive advantage for a niche online wholesale retailer? By combining descriptive, diagnostic, prescriptive, and predictive techniques, we uncovered clear patterns in who buys, what they buy together, and when they buy.

Moving forward, these insights can guide the marketing team in launching segment-specific campaigns (e.g., reactivating “At Risk” customers before seasonal peaks), and help sales and operations teams better align product bundles and inventory with country-level demand patterns.

Next steps would include operationalizing these findings into campaign calendars, bundle rollouts, and forecast-based stock planning. We also see potential to expand this work by incorporating marketing campaign performance data or customer demographics to sharpen personalization and test bundle effectiveness across regions.

In short, this analysis offers a scalable framework for data-driven decisions and with additional inputs, can evolve into a predictive system for long-term customer and product strategy.

Appendix:

Code:

[https://colab.research.google.com/drive/1CX1ePRNi7A-9AyjdIPyTD0gVa-Lf\\_o7C?usp=sharing](https://colab.research.google.com/drive/1CX1ePRNi7A-9AyjdIPyTD0gVa-Lf_o7C?usp=sharing)