

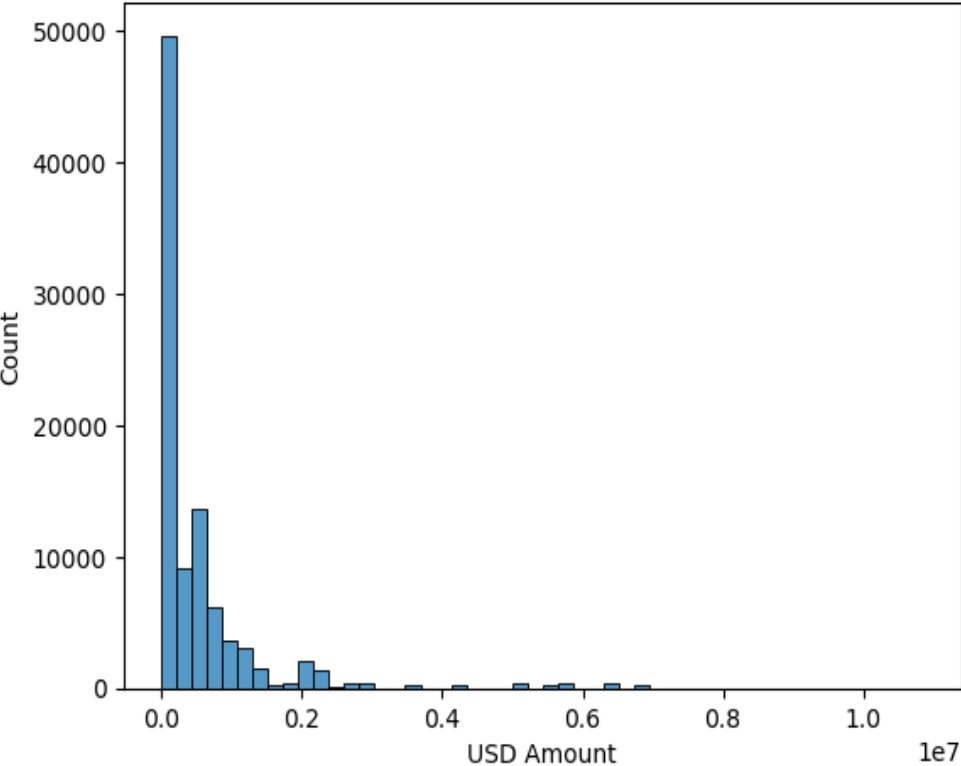
# Domain Oriented Case Study by Mynuddin S.

---

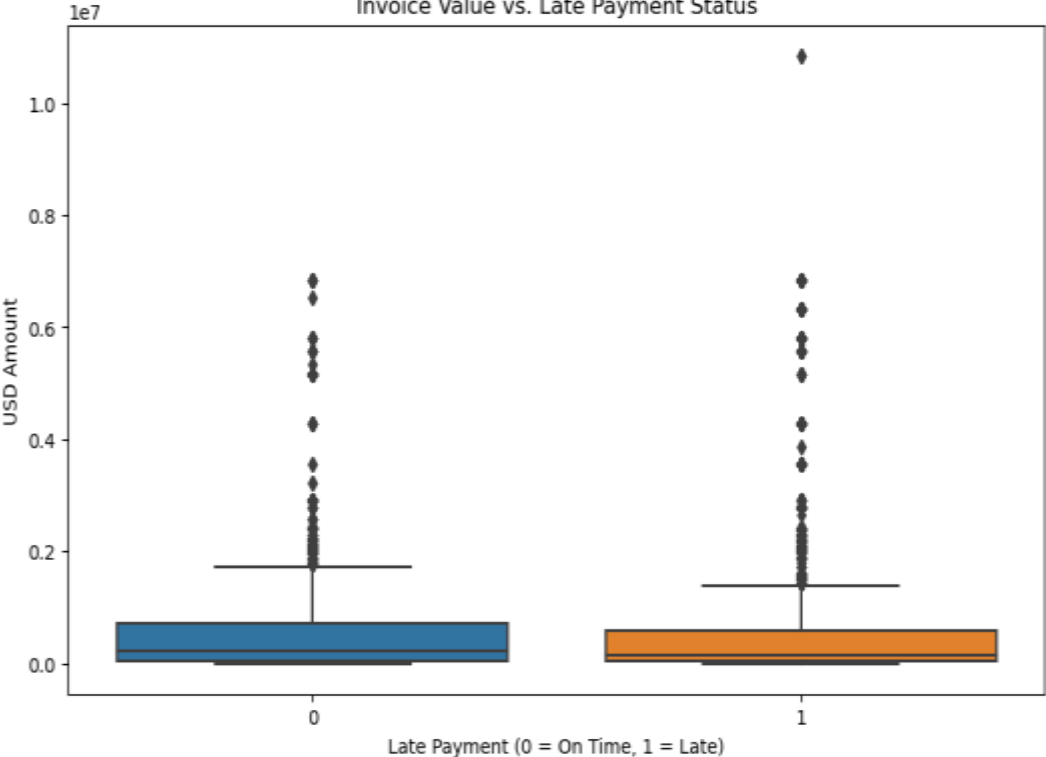


# Distribution of invoices and Value Vs Payment Status

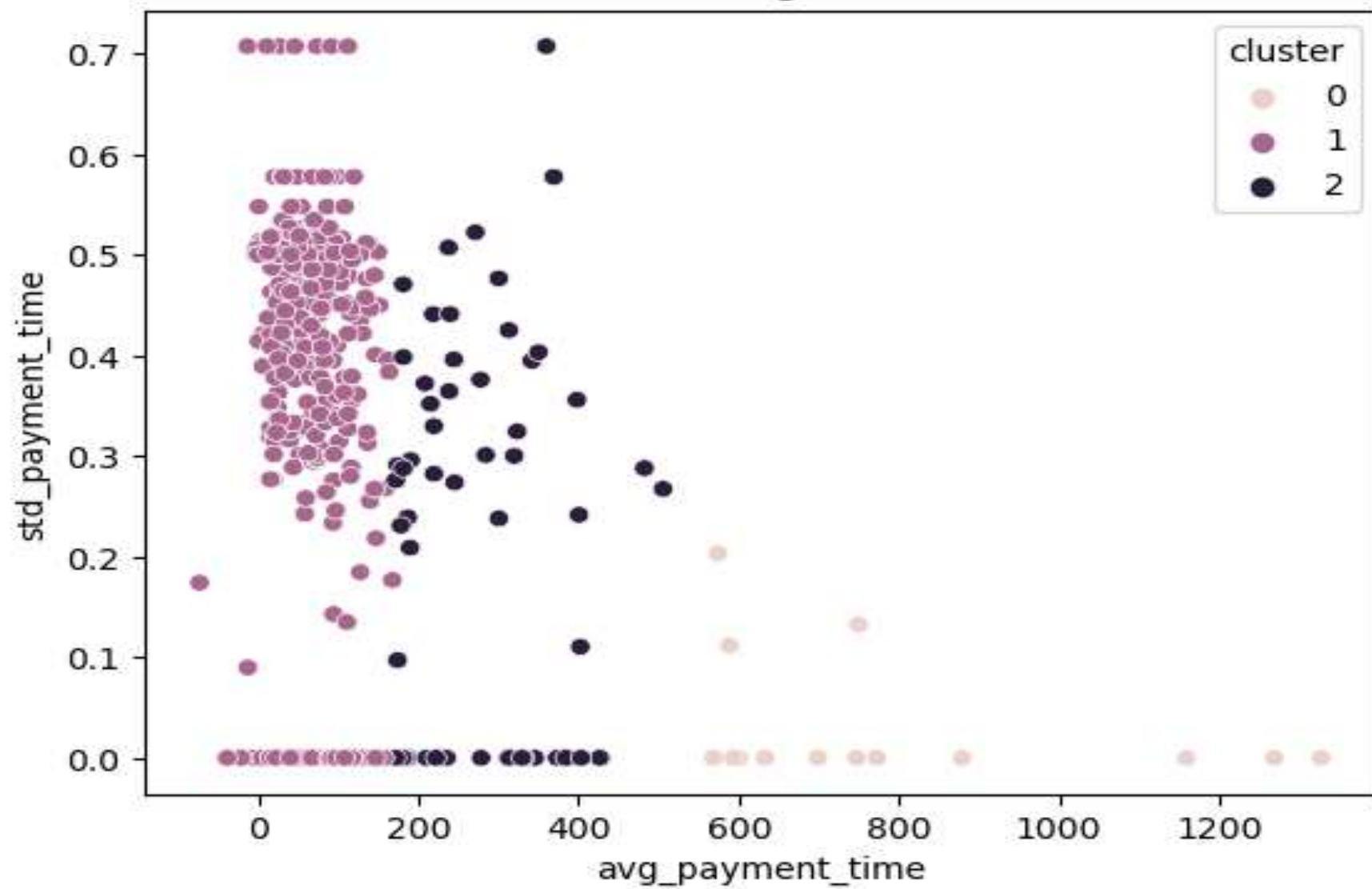
Distribution of Invoice Values



Invoice Value vs. Late Payment Status

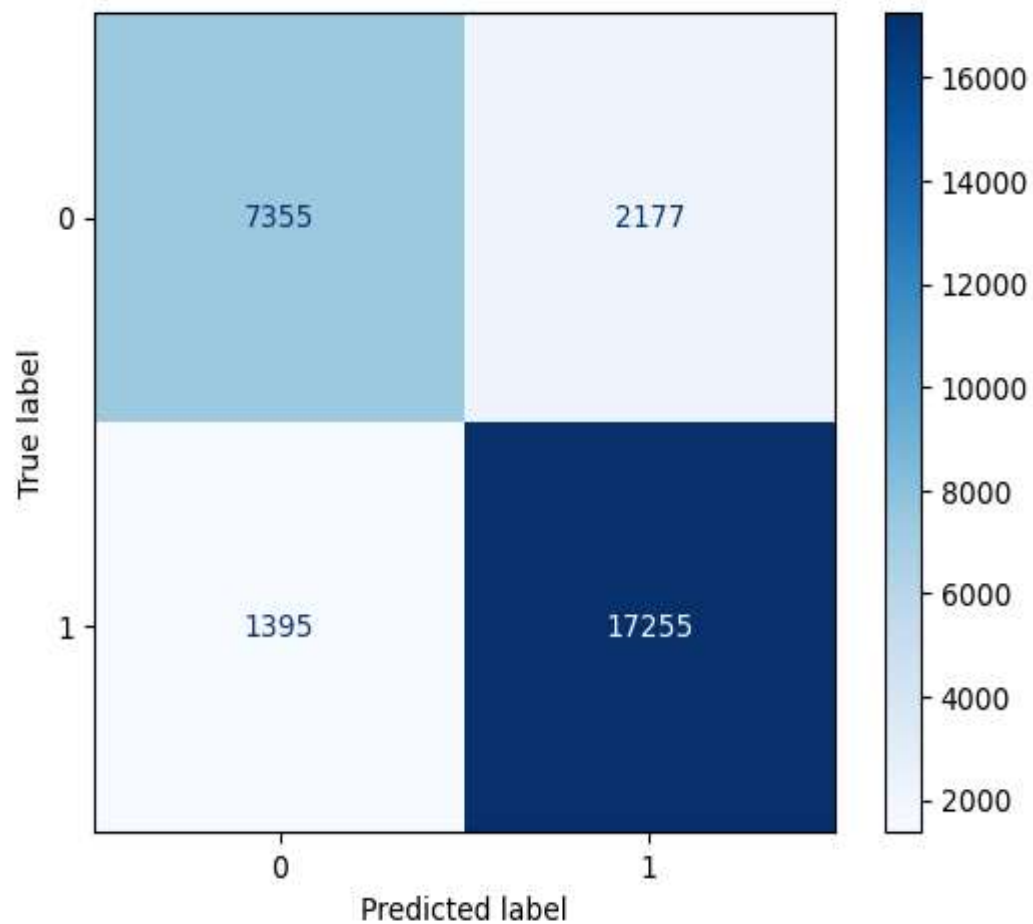


Customer Segmentation

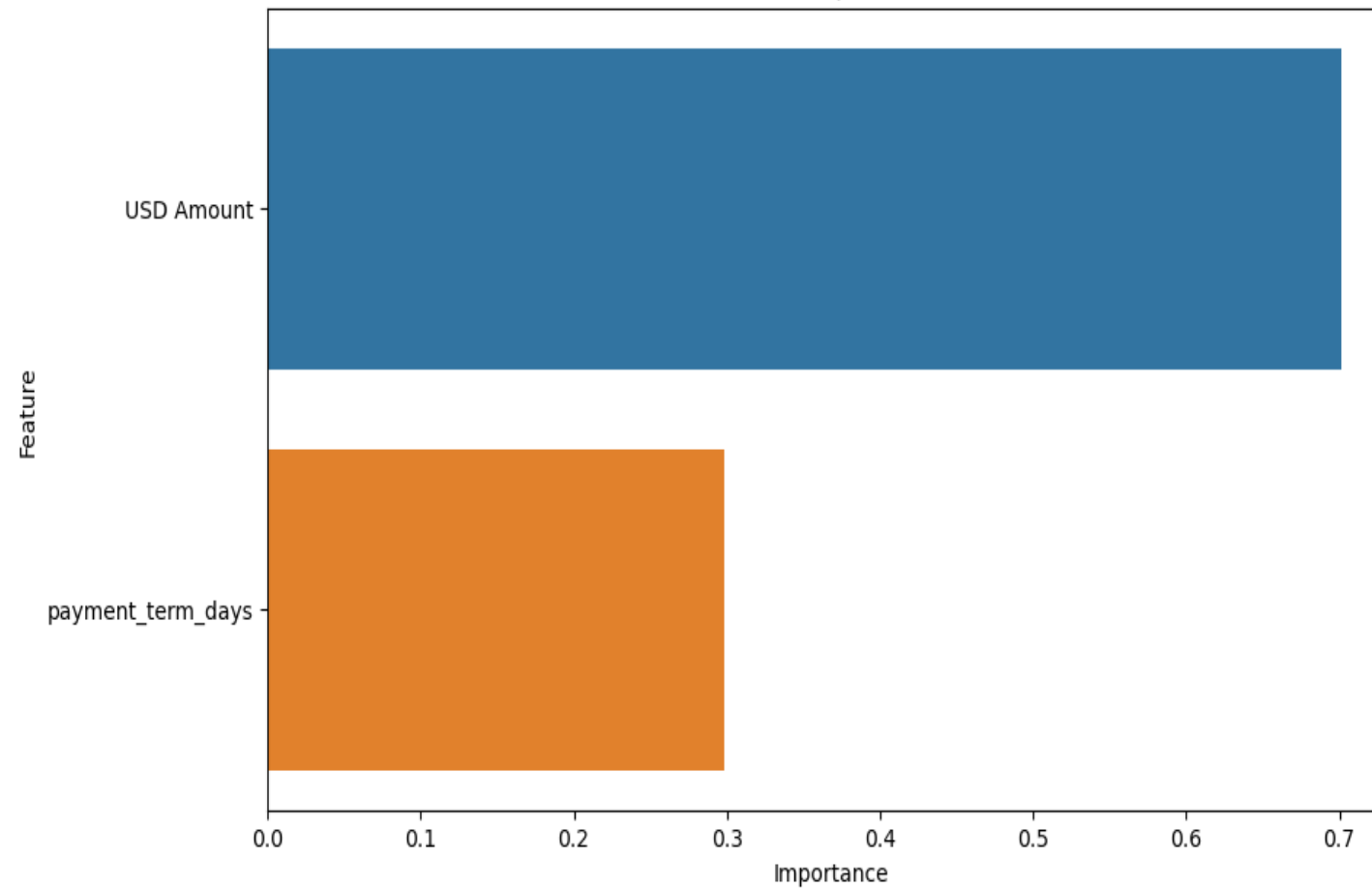


## Matrix and Visulaization

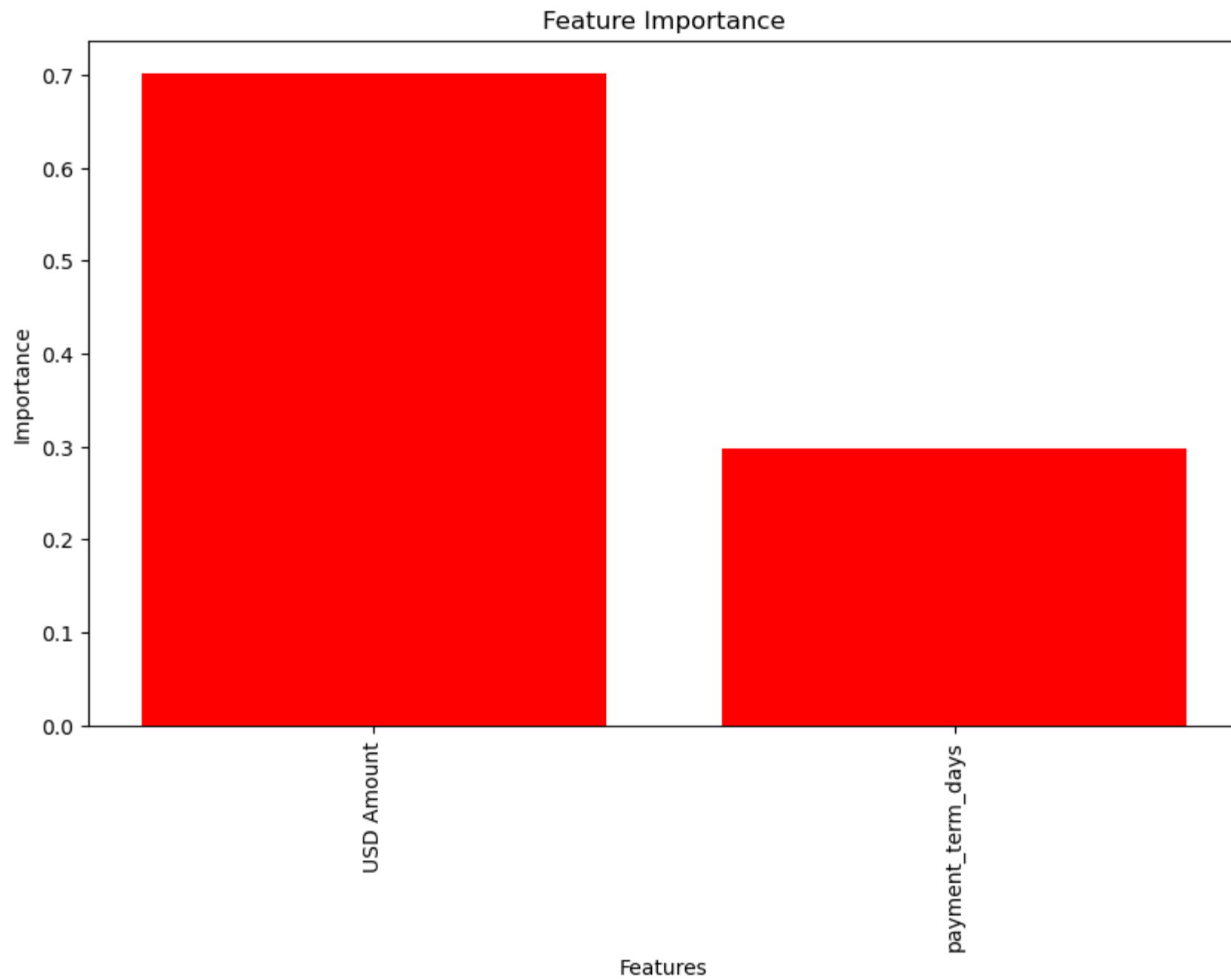
Confusion Matrix



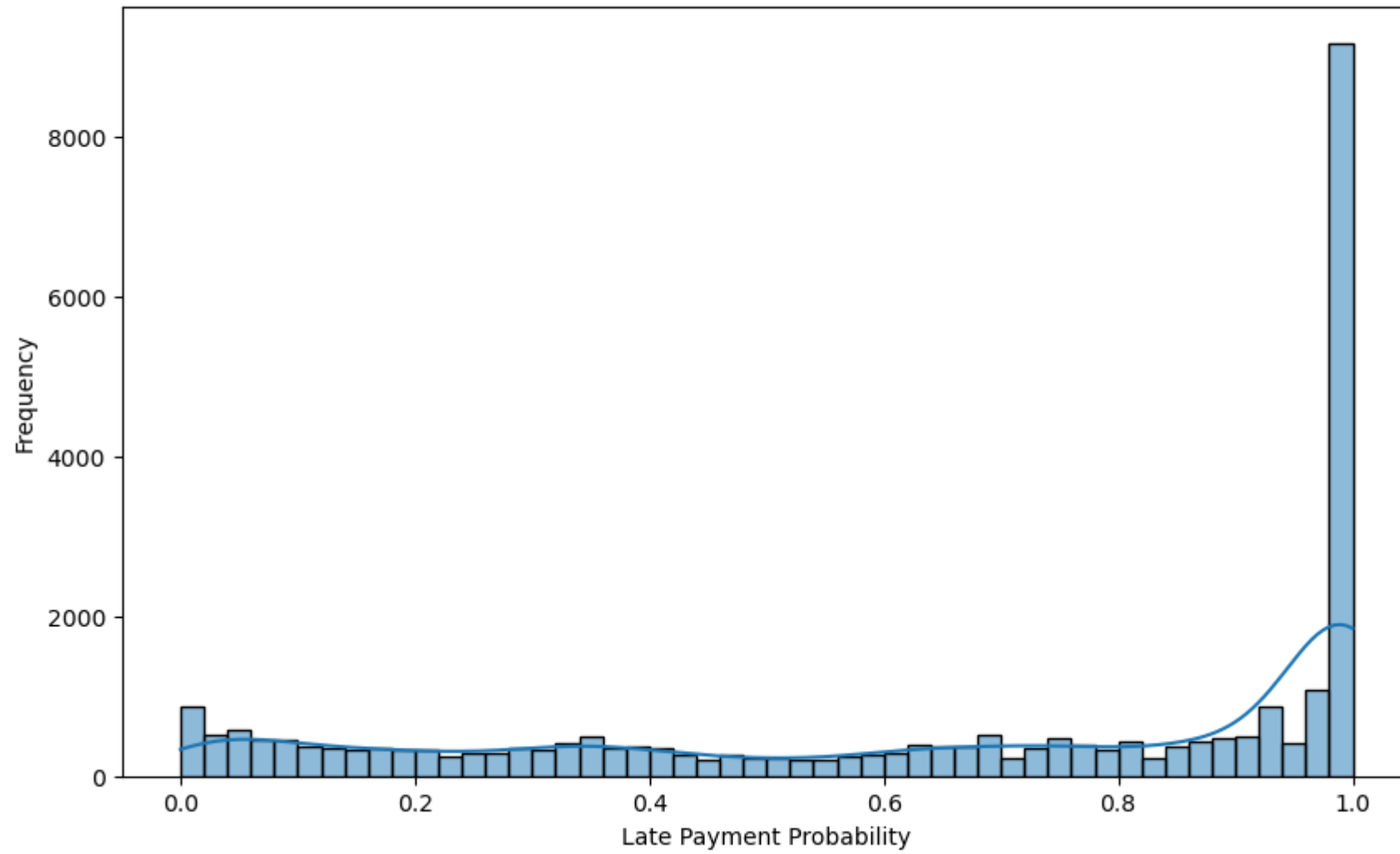
Feature Importances



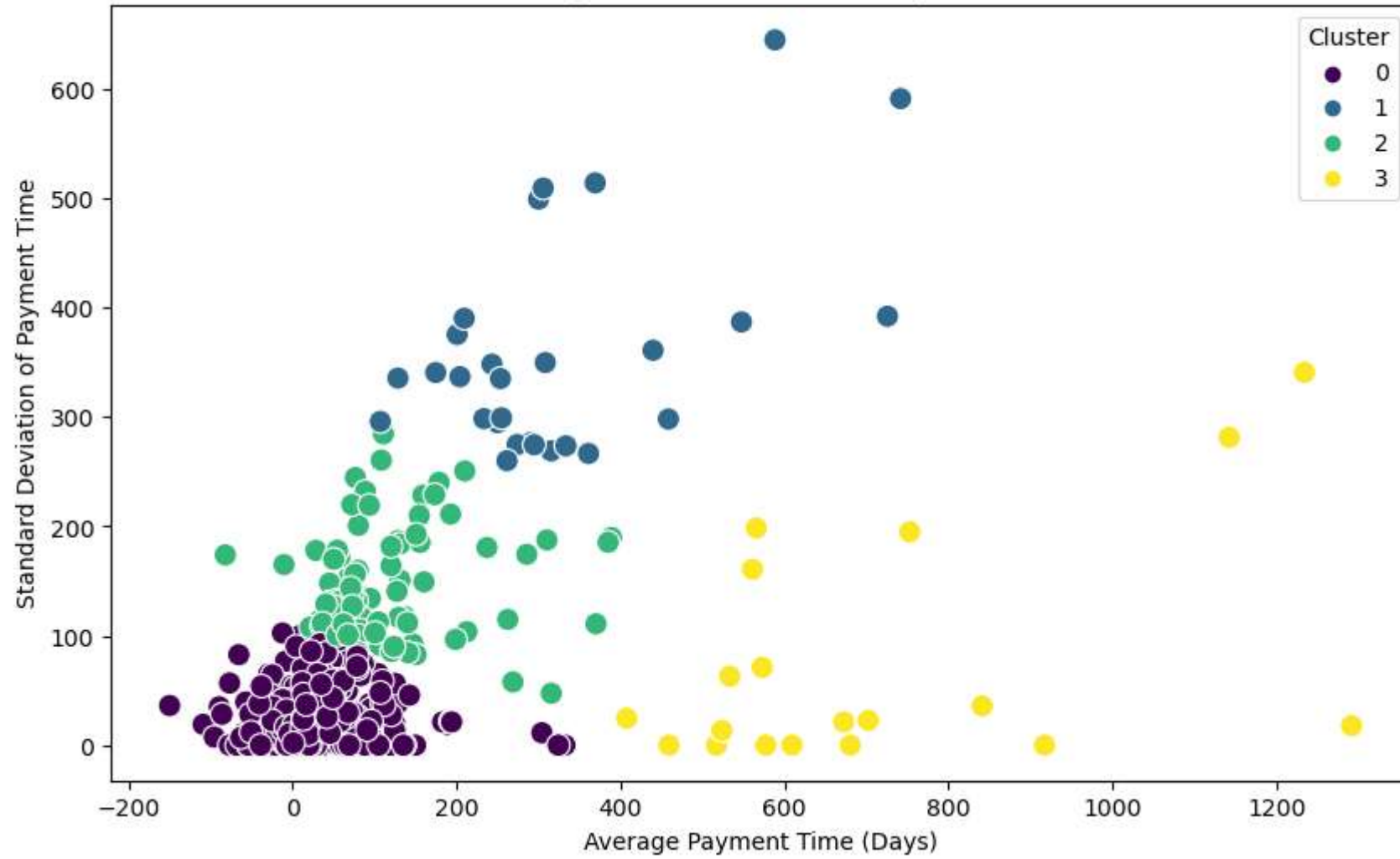
Customer Name



Distribution of Predicted Late Payment Probabilities



Customer Segmentation Based on Payment Behavior





- Interpret the Clusters After clustering, analyze the characteristics of each cluster to understand the different types of payment behaviors:

Cluster 0: Customers with consistently on-time payments. Cluster 1: Customers with slight delays but low variability. Cluster 2: Customers with frequent and consistent delays. Cluster 3: Customers with highly variable payment times, indicating inconsistency.

- Actionable Insights Based on the clusters:

Engage with consistently late payers (e.g., Cluster 2) for better terms or reminders. Reward consistently on-time payers (e.g., Cluster 0) with discounts or incentives. Investigate inconsistent payers (e.g., Cluster 3) to understand the causes and address any issues.