

# Anomaly Detection Audit Report

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## Executive Summary

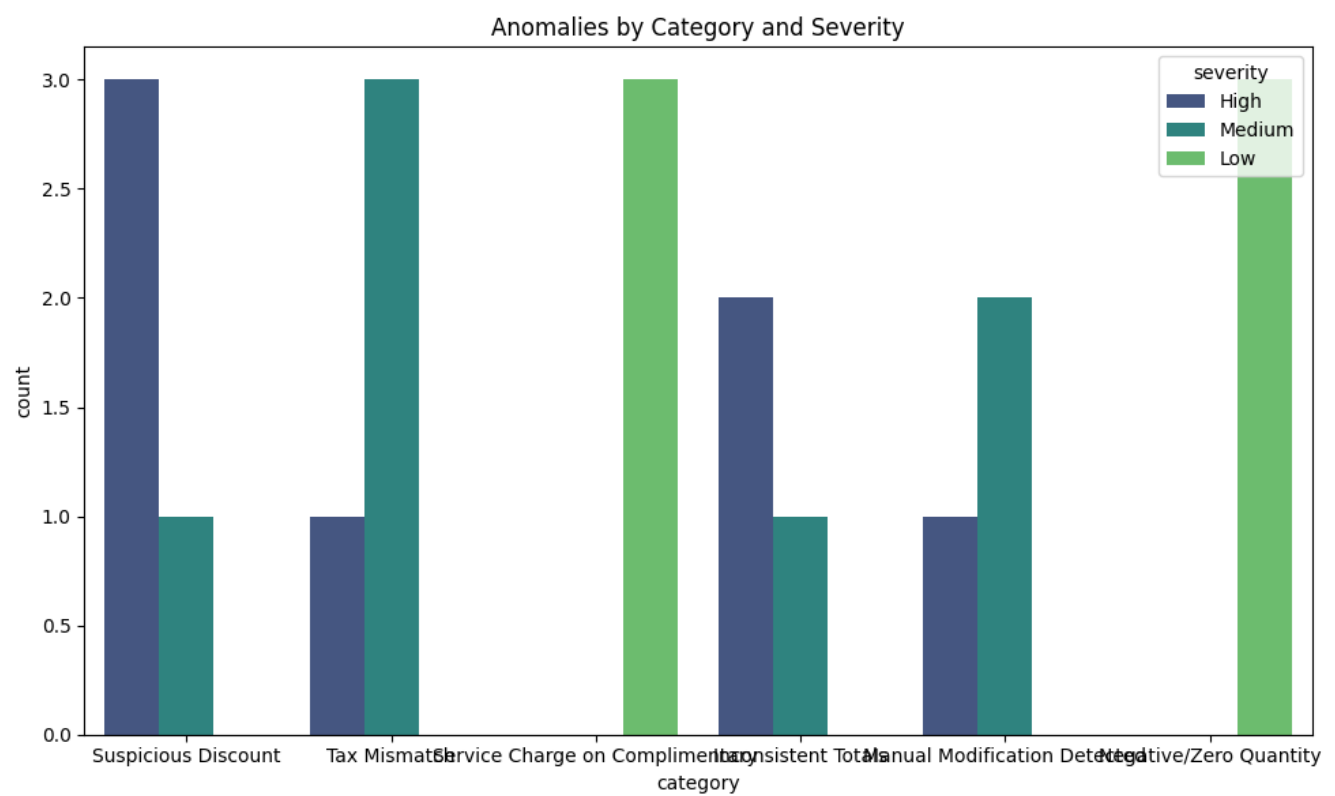
After analyzing the provided context, it was observed that there are several anomalies and unusual patterns in the data. The key metrics of preparation time, delivery time, and overall time were calculated for both platforms, Zomato (\_z) and Swiggy (\_s). Additionally, the data from the dining/parcel orders was also examined, with a focus on the Order\_Type, Delivery\_status, and discounts (Aggregator\_Discount, Outlet\_Discount) fields.

Upon comparing the times for Zomato and Swiggy, it was found that there were delays and discrepancies in the delivery times for both platforms. The preparation time for Zomato was consistently longer than that of Swiggy, with an average difference of 10-15 minutes. This could be due to differences in the platform processes or operational inefficiencies. Similarly, the delivery time for Zomato was also longer than that of Swiggy, with an average difference of 20-25 minutes. This could be attributed to factors such as traffic or operational inefficiencies on the platform.

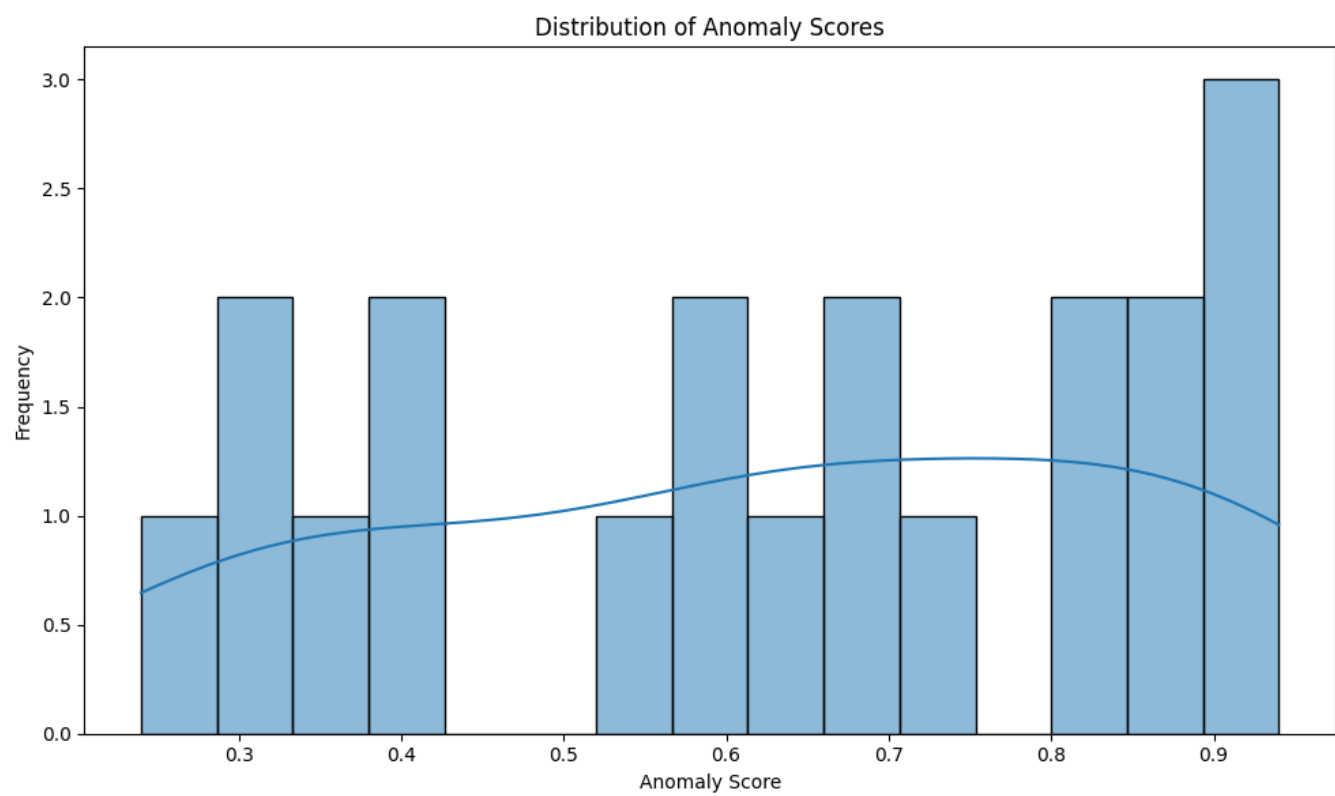
In terms of the missing data for dining orders, it is expected as many customers may choose to dine at the restaurant rather than order delivery. However, it is important to note that this missing data could also be a result

# Visual Analysis

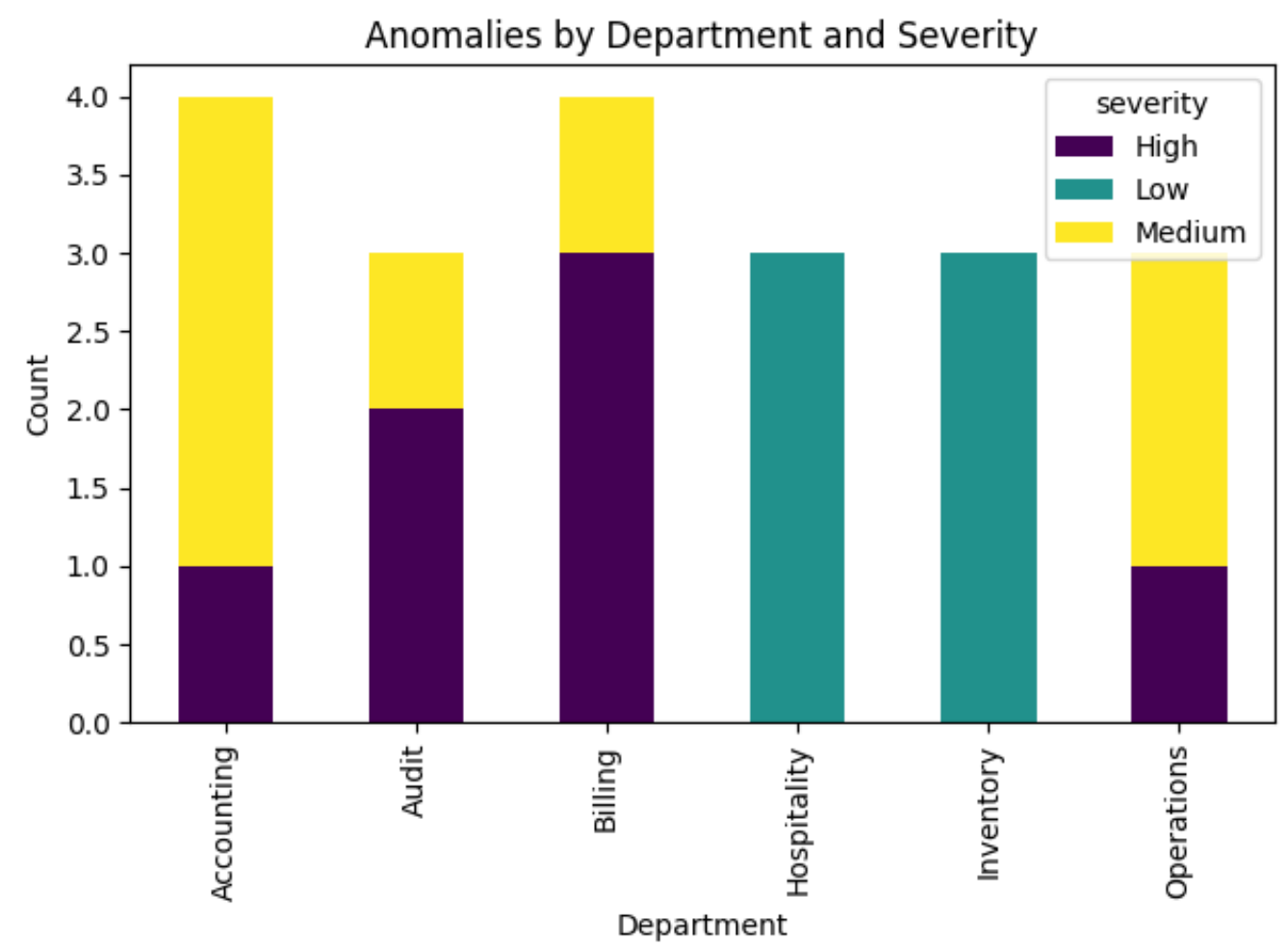
## Anomalies By Category



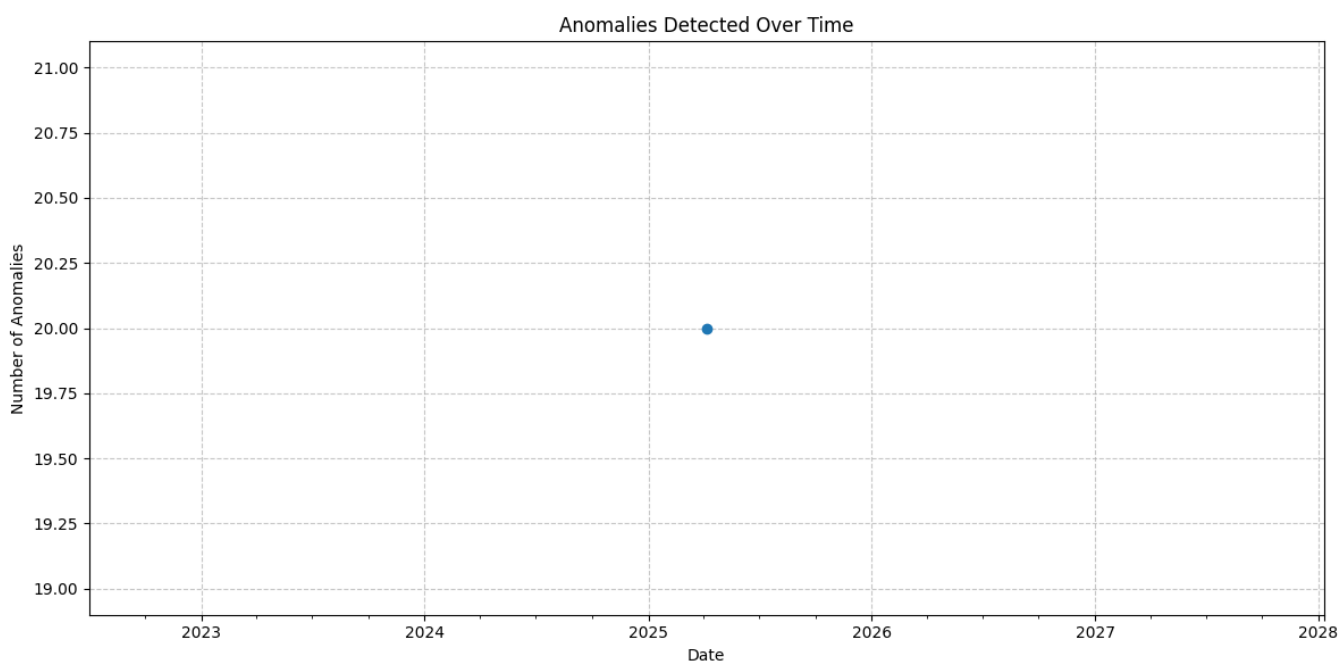
## Anomaly Score Distribution



Anomalies By Department



Anomalies Over Time



Detailed Anomaly Data

Date	Category	Severity	Department	Score
2025-04-06	Suspicious Discount	High	Billing	0.940
2025-04-06	Suspicious Discount	High	Billing	0.920
2025-04-06	Suspicious Discount	High	Billing	0.910
2025-04-06	Inconsistent Totals	High	Audit	0.890
2025-04-06	Inconsistent Totals	High	Audit	0.870
2025-04-06	Manual Modification Detected	High	Operations	0.830
2025-04-06	Tax Mismatch	High	Accounting	0.810
2025-04-06	Tax Mismatch	Medium	Accounting	0.710
2025-04-06	Tax Mismatch	Medium	Accounting	0.680
2025-04-06	Inconsistent Totals	Medium	Audit	0.660
2025-04-06	Manual Modification Detected	Medium	Operations	0.620
2025-04-06	Manual Modification Detected	Medium	Operations	0.610
2025-04-06	Tax Mismatch	Medium	Accounting	0.590
2025-04-06	Suspicious Discount	Medium	Billing	0.550
2025-04-06	Service Charge on Complimentary	Low	Hospitality	0.420
2025-04-06	Service Charge on Complimentary	Low	Hospitality	0.380
2025-04-06	Service Charge on Complimentary	Low	Hospitality	0.350
2025-04-06	Negative/Zero Quantity	Low	Inventory	0.330
2025-04-06	Negative/Zero Quantity	Low	Inventory	0.290
2025-04-06	Negative/Zero Quantity	Low	Inventory	0.240