

Credit Card Fraud Monitoring – Executive Overview

(Real-time view of transaction risk, fraud exposure, and priority areas)

854M

Total Transactions

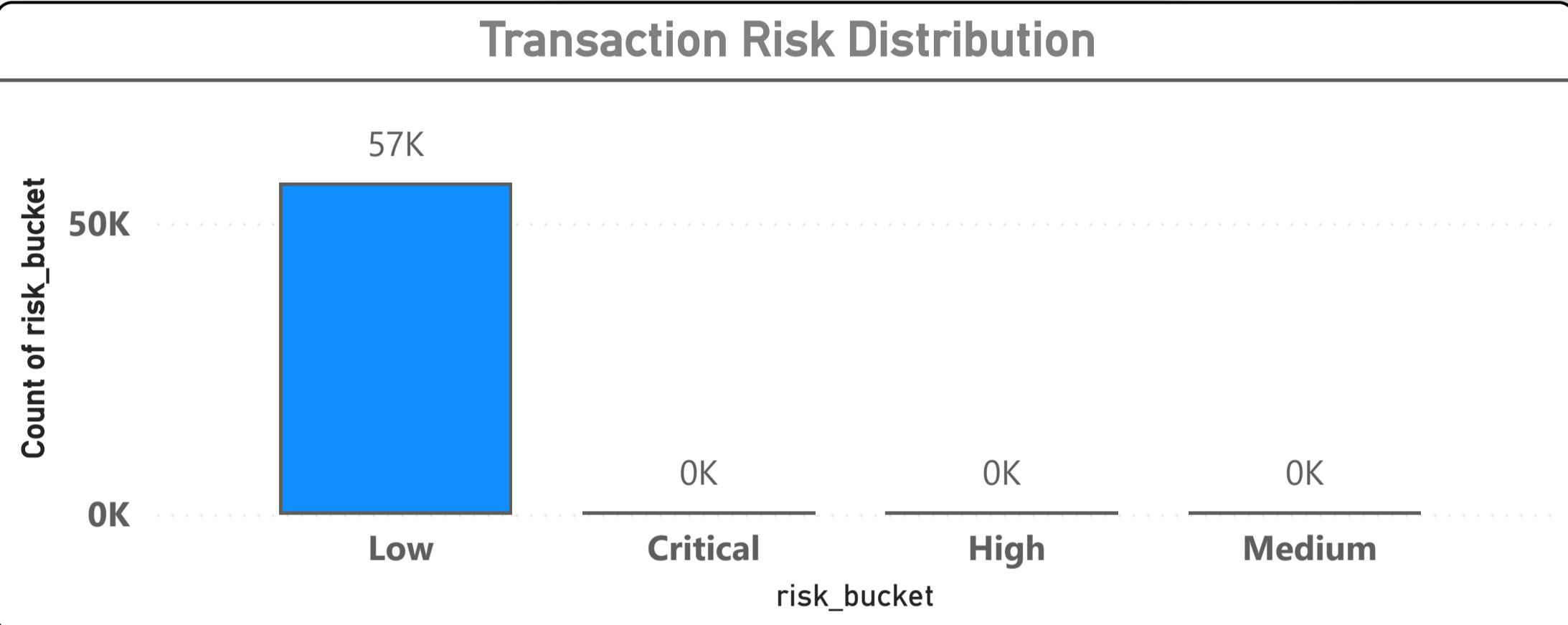
85

Fraud Transactions

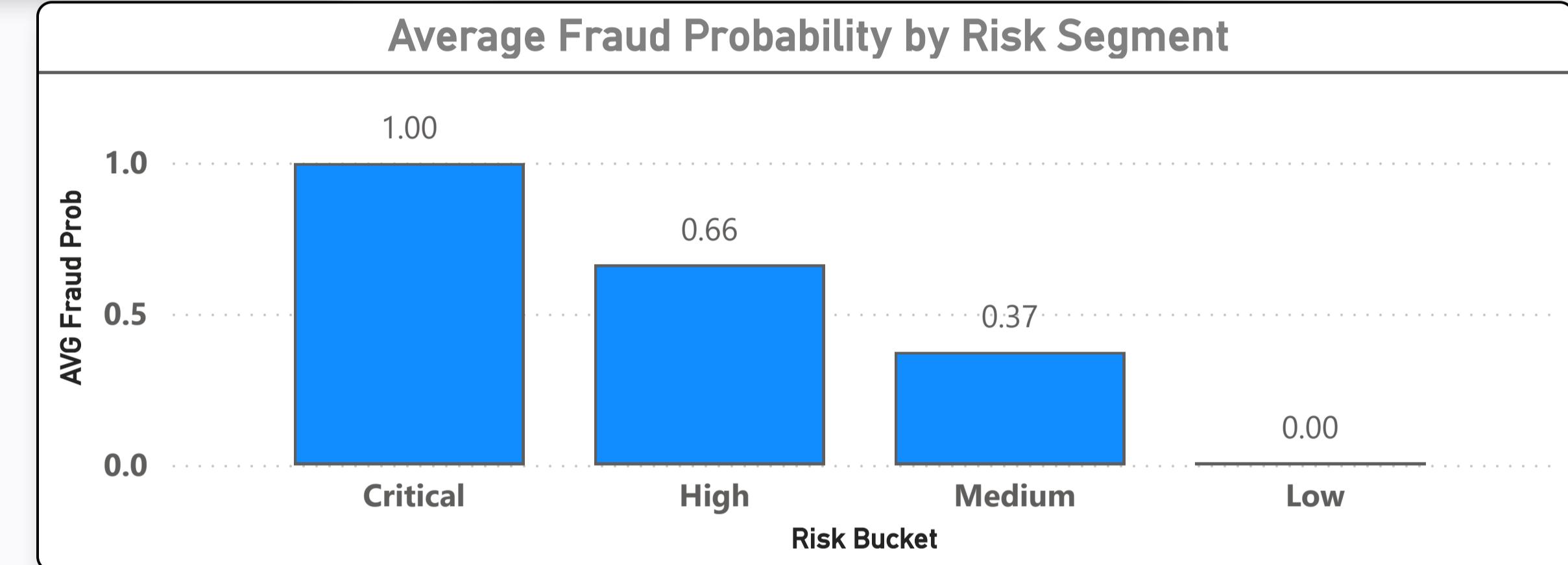
1M

High Risk Transactions

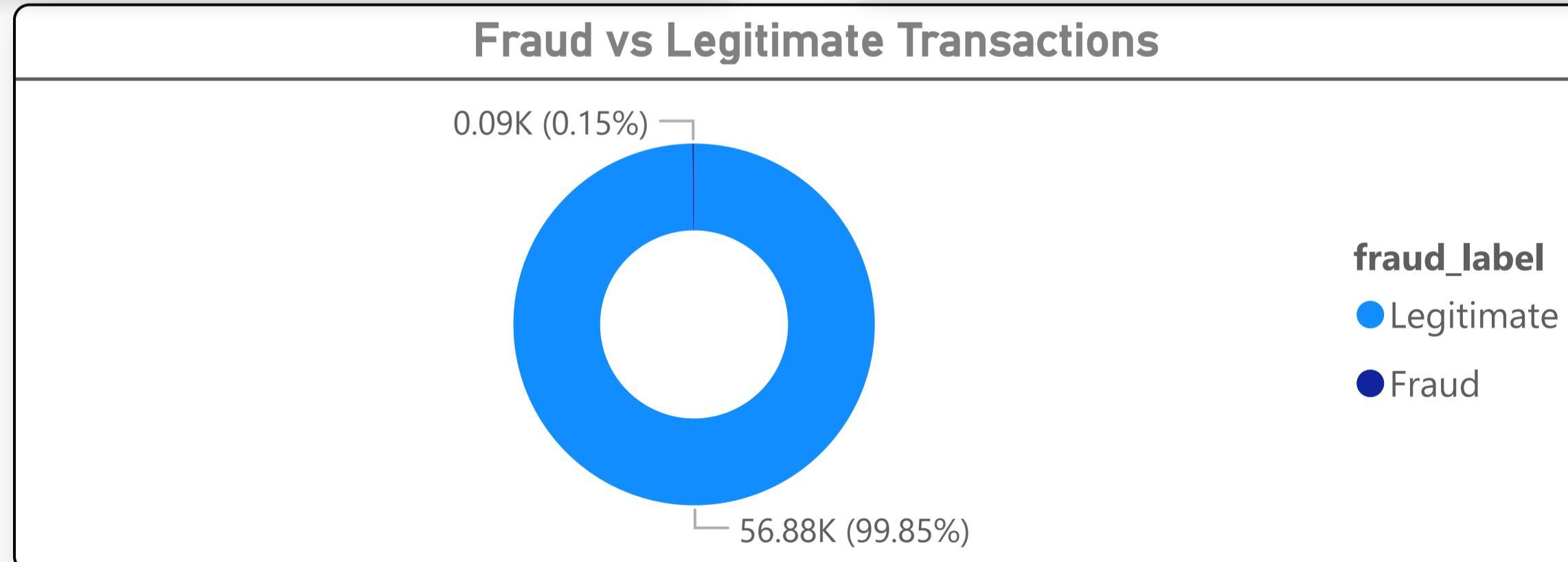
Transaction Risk Distribution



Average Fraud Probability by Risk Segment



Fraud vs Legitimate Transactions



Key Insight: The majority of transactions are low risk, while a small but critical subset exhibits significantly elevated fraud probability. High and Critical risk segments should be prioritized for review to minimize potential fraud losses.

Operational Risk Analysis – High Priority Transactions

(Focused view for fraud investigation and case prioritization)

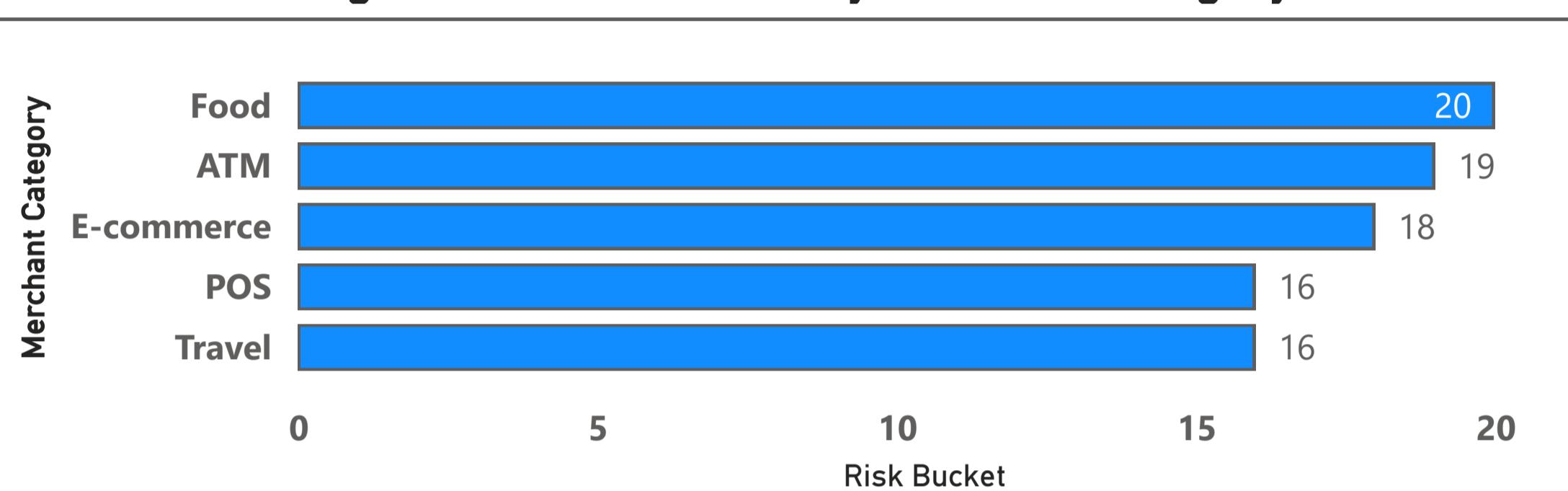
89

High & Critical Risk Transactions

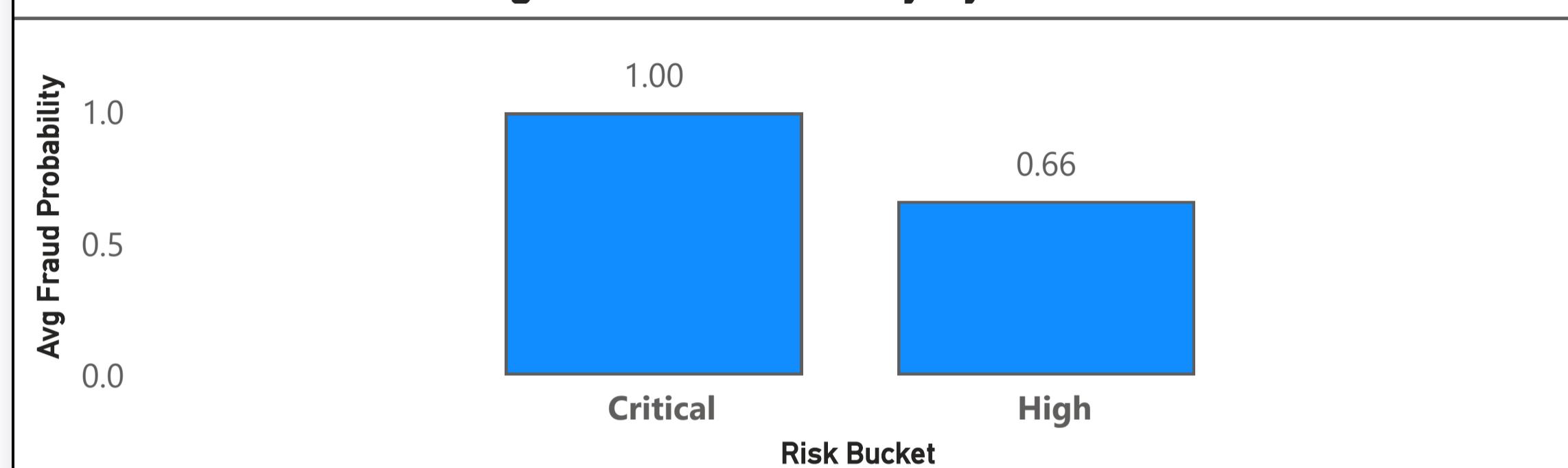
0.98

Avg Fraud Probability (High Risk)

High-Risk Transactions by Merchant Category



Average Fraud Probability by Risk Level



High & Critical Risk Transactions (Action Required)

customer_id	merchant_category	amount	fraud_probability	risk_bucket	fraud_label	
10215	POS		0.01	0.64	High	Legitimate
12281	E-commerce		0.05	0.64	High	Legitimate
12562	Food		-0.35	0.61	High	Legitimate
17646	Food		-0.35	0.76	High	Legitimate
10202	POS		-0.03	1.00	Critical	Fraud
10252	E-commerce		-0.35	1.00	Critical	Fraud

Amount Range

All

Risk Bucket

All

Merchant Category

All

Customer-Level Fraud Risk Drill-Down

Merchant Category

All

Risk Bucket

All

Customer-Level Fraud Risk Breakdown

customer_id Average Fraud Probability Fraud Txn Count



[+]	11052	0.50	2
[+]	15927	0.50	2
[+]	10729	0.50	2
[+]	17646	0.38	1
[+]	13082	0.33	2
[+]	12502	0.25	2
[+]	17184	0.25	2
[+]	19420	0.25	2
[+]	14487	0.25	2
[+]	14985	0.25	2
[+]	15677	0.25	2