ML-Based Anomaly Detection Report

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Executive Summary

Total Records	Anomalies Detected	Anomaly Rate
15	**3**	**20.0%**

Analysis Configuration

- Contamination Rate: 20.0% (Expected anomaly proportion)
- Number of Neighbors: 3 (LOF comparison scope)
- Anomaly Threshold: 0.9 (Minimum score for flagging)

Feature Importance Analysis

salary:		**35.0%**
taxableIncome:		**26.0%**
amountTaxable:		**24.8%**
revenue:		**7.6%**
bubblegumTax:		**4.0%**
confectionarySalesTaxPercent:		**2.6%**

Detailed Anomaly Analysis

Toffee Co (ID: 100004)

Anomaly Score: 1.026   Method: Local Outlier Factor

Taxable Income: $629,325

Bubblegum Tax: $321,458

Sales Tax %: 13.24%

Auditor Feedback: Accepted as Anomaly

Lolly Corp (ID: 100005)

Anomaly Score: 0.981   Method: Local Outlier Factor

Taxable Income: $499,296

Bubblegum Tax: $100,005

Sales Tax %: 8.05%

Auditor Feedback: False Positive

Sweet Inc (ID: 100002)

Anomaly Score: 0.939

Method: Local Outlier Factor

Taxable Income: $1,066,955

Bubblegum Tax: $14,587

Sales Tax %: 9.46%

Auditor Feedback: False Negative