



# Inventory Module for Agilence Data Analytics

## Introduction

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The Inventory Module is designed to offer a deep understanding of current stock levels, periodic adjustments, and challenges like inventory accumulation or insufficient replenishment. This tool adopts a comprehensive method to risk analysis, with an emphasis on individual store performance. It enables prompt identification of potential inventory discrepancies; seamlessly merging inventory shrink data with POS information to confidently detect internal theft and present a wide-ranging risk analysis centered on store operations.

## Key Features

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### 1. Store Sell Through Analysis

Track low sell-through products or growing inventory levels as indicators of shrink. Identify specific Stores, Departments, or SKUs with poor sell-through. Determine root causes to facilitate appropriate actions, minimizing impacts on shrink or potential markdowns.

### 2. Out-of-Stock Conditions Analysis

Utilize cycle count adjustments in conjunction with zero movement reports. Identify conditions where high cycle count adjustments combined with zero movement suggest theft or other shrink contributors.

### 3. High Cycle Count Adjustments by DC (Distribution Center)

Track high cycle count adjustments related to a specific DC. Determine the impact of DC levels on store shrink. Identify disparities in adjustments between stores on similar shipping routes to quickly pinpoint operational errors affecting shrink results.

### 4. Correlation of Adjustments to SRA's (Sales Reducing Activities)

Correlate SKU level adjustments with Point of Sale (POS) data elements like voids or refunds. Efficiently identify potentially dishonest cashiers based on this correlation.

### 5. Highest Shrink Items Reporting

Generate lists of items with the highest adjustment levels combined with correlating POS data. Use these insights for effective product protection decisions, especially concerning external shoplifting activity. Correlate regular adjustments with final inventory results to create reports. These reports support the use of adjustments as a primary indicator of shrink, enabling timely decision-making throughout the year.



## Reports Included

### Corporate Analysis (Dashboard)

1. Adjustments by Distribution Center
2. Adjustments | Internal Shrink
3. Adjustments | External & Operational Shrink
4. Adjustments by Region
5. Store Sell-Through

### Store Analysis (Dashboard)

1. Out-of-Stock Analysis
2. Adjustments by Category
3. High Shrink Categories | w/ POS
4. High Shrink Items | w/ POS

## Conclusion

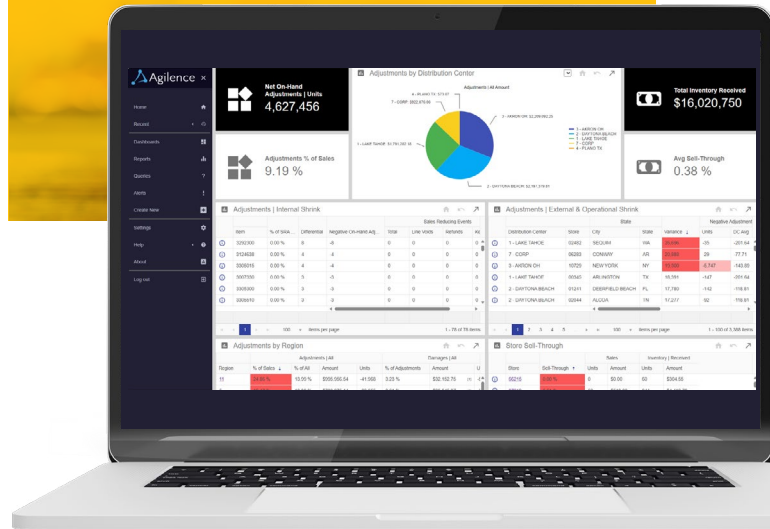
The Inventory Module for Agilence Data Analytics stands out as an indispensable tool for retailers, merchandisers, and store managers alike. By combining inventory with POS data, it promises to offer a panoramic view of the retail landscape, paving the way for improved decision-making, risk mitigation, and optimized inventory management. With its advanced features and comprehensive reporting capabilities, businesses are better equipped to prevent shrink, optimize sales, and enhance overall operational efficiency.

## Data Requirements—Pre-requisites

The Inventory Module requires as pre-requisites:

- ✓ POS data (TLOG)
- ✓ Store Master
- ✓ Item Master

The module will also require Inventory Adjustments and Daily On Hand.



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