AN ANALYSIS OF FINANCIAL PERFORMANCE OF D-MART AND STAR BAZAAR: A COMPARATIVE STUDY OF SUPERMARKET CHAINS IN INDIA

SHAH BHAVIK RASHMIKANT,

Research Scholar, Department of Commerce, Saurashtra University, Rajkot, Gujarat

GUIDE: DR. RAMESH A. DANGAR

Associate Professor, Shri J. H. Bhalodia Women's College, Kalawad Road, Rajkot, Gujarat

ABSTRACT

This paper conducts a rigorous comparative financial performance analysis of Avenue Supermarts Ltd. (DMART) and the Star Bazaar retail business, operated primarily under Trent Hypermarket Limited, spanning the fiscal years 2022-23 to 2024-25 (Projected). Utilizing secondary data from financial filings and the rigorous DuPont analysis framework, the study evaluates critical differences in liquidity, long-term solvency, operational efficiency (Inventory and Fixed Asset Turnover), and profitability. Findings indicate that DMART, leveraging its owned-store model and Everyday Low Pricing (EDLP) strategy, consistently demonstrates structural superiority in operational efficiency, specifically Inventory Turnover, which is essential for maximizing returns in a low-margin sector.[1] This efficiency compensates for DMART's inherently thin, and recently compressed, Net Profit Margins (NPM fell from 6.2% in FY23 to 5.6% in FY24).[2] Conversely, Star Bazaar, while demonstrating accelerated revenue growth (25% in Q3 FY25 segment revenue)[3], benefits significantly from the robust, low-leverage financial position of its parent entity, Trent Ltd..[4] The research concludes that DMART's Return on Equity is primarily driven by Asset Turnover, while the Star/Trent entity relies heavily on diversified Net Profit Margin, confirming distinct strategic drivers for shareholder value creation.

Keywords: Financial Performance, Ratio Analysis, DMART, Star Bazaar, Retail Strategy, Operational Efficiency.

INTRODUCTION:

The Indian retail sector is experiencing profound transformation, rapidly emerging as one of the world's most dynamic and fastest-growing markets. The sector is projected to exceed ₹137,10,400 crore (US$1.6 trillion) by 2030, supported by favorable demographics, urbanization, and government initiatives aimed at enhancing disposable incomes.[5] Within this massive landscape, the shift toward organized retail is particularly notable, with the organized segment projected to reach US$230 billion by 2030, making competition among modern trade chains critical for market share and long-term sustainability.[5]

This study focuses specifically on the supermarket segment by comparing two prominent and strategically opposed giants: DMART, operated by Avenue Supermarts Ltd., and Star Bazaar, managed under Trent Hypermarket Limited (THPL), a joint venture associated with the Tata Group. DMART is renowned for its highly efficient, owned-store, Everyday Low Pricing (EDLP) model.[1] Star Bazaar, conversely, represents a diversified hypermarket model, backed by the strong balance sheet and accelerated growth mandate of its parent company, Trent Ltd..[3]

The critical question for investors and management teams is not merely who holds a larger market share, but rather, whose business model is financially superior and more sustainable in this margin-sensitive environment. This research undertakes a deep financial analysis utilizing comparative ratio analysis and the DuPont framework to rigorously evaluate the efficacy and resilience of these two divergent retail philosophies over the fiscal years 2022-23, 2023-24, and 2024-25 (Projected).

REVIEW OF LITERATURE AND THEORETICAL BACKGROUND

The scholarly analysis of retail performance is grounded in established financial frameworks and contextual understanding of sector dynamics. The literature review establishes the theoretical tools necessary for a robust comparative study.

- **Global and Indian Retail Sector Dynamics and Growth Drivers**

  The long-term outlook for Indian retail remains highly positive, supported by increasing disposable incomes and favourable demographics.[5] The total retail sector is on track to

exceed US$1.6 trillion by 2030.[5] However, the organized modern trade segment in food and grocery retailing is still nascent, representing only 7% to 8% of the total industry.[8] Success in this organized segment, therefore, requires navigating high entry barriers, stringent cost control, and efficient supply chain management.[8] The literature highlights that the sector is further being shaped by rapid expansion in e-commerce, which is expected to reach US$91.24 billion by 2029 [5], although the physical hypermarket and supermarket formats remain crucial.

- ## Financial Performance Measurement in Retail: The Ratio Framework

Financial ratio analysis is universally recognized as the cornerstone methodology for assessing a company's financial health, efficiency, and long-term viability.[9] Ratio analysis compares line-item data from financial statements to derive meaningful metrics across four primary categories: Liquidity (short-term stability), Solvency (long-term debt capacity), Efficiency (asset utilization), and Profitability (earnings strength).[10] For instance, the Current Ratio is applied to measure the capacity to cover current liabilities with current assets, while the Debt-to-Equity ratio provides insight into the reliance on external debt capital.[11] The utility of this method is further amplified when results are rigorously benchmarked against industry peers, providing context for interpretation.[13]

- ## The DuPont Analysis Framework for Decomposing ROE

A particularly useful theoretical framework in the retail context is the DuPont model, which deconstructs Return on Equity (ROE) into three interconnected drivers: Net Profit Margin (NPM), Total Asset Turnover (TAT), and the Equity Multiplier (EM).[14] This decomposition allows analysts to pinpoint the strategic source of shareholder returns—whether it stems from high profitability (NPM), efficient use of assets to generate sales (TAT), or high financial leverage (EM). Given that grocery retail is characterized by thin margins, the literature suggests that successful supermarket operators, such as Walmart and Costco globally, must maximize operational efficiency and asset turnover to achieve high ROE, rather than relying on margin density.[14]

- ## Core Business Model Review: DMART's Strategic Cost Advantage

DMART's competitive strategy is rooted in its highly disciplined, regimented business model centered on Everyday Low Pricing (EDLP) and exceptional supply chain efficiency.[1] Critically, DMART follows an asset-heavy, owned-store model, possessing ownership of approximately 85% of its stores.[6] This real estate strategy provides significant financial protection from escalating lease rentals over time, minimizes long-term operational costs, and stabilizes the cost structure. The cost savings derived from this efficient structure are passed directly to the consumer in the form of deep discounts, allowing DMART to maintain a high volume, high inventory turnover model.[1]

- ## Comparative Studies in Indian Retail and Existing Gaps

Prior research comparing DMART often focused on organizations that subsequently faced financial distress, such as Future Retail (Big Bazaar).[16] These studies previously confirmed DMART's financial superiority across metrics like Inventory Turnover and Net Profit Margin.[16] More recent research on Trent Limited, Star Bazaar's parent, highlights remarkable consolidated performance, with Net Profit Margins growing from 5.2% in FY23 to 12.9% in FY24.[4] This performance, however, is significantly skewed by the high-margin, fast-fashion segments like Zudio and Westside.[18] A focused comparative analysis isolating the distinct financial outcomes of the pure-play DMART grocery operation against the rapidly growing Star Bazaar segment, particularly during the post-pandemic recovery and expansion phase of FY23-FY25, remains a critical requirement.

SCOPE OF STUDY

The scope of this research is dedicated to the comparative financial performance of Avenue Supermarts Ltd. (DMART) and the Star Bazaar retail business. The Star Bazaar business is primarily managed by subsidiaries of Trent Ltd., specifically Fiora Hypermarket Limited and Trent Hypermarket Private Limited.[20]

The analysis spans three full fiscal years: 2022-23 (FY23), 2023-24 (FY24), and 2024-25

(FY25), with the latter being a projection based on available quarterly data. Due to the inherent difficulty in isolating the hypermarket segment, Star Bazaar's performance analysis incorporates two methodologies: (1) utilizing published Trent segment reporting for growth and efficiency metrics (such as the 25% revenue growth observed in Q3 FY25) [3], and (2) applying Trent's consolidated balance sheet metrics (e.g., Debt-to-Equity) to represent the structural financial resilience backing the Star venture.[4]

The study's ultimate objective is to provide an isolated contrast between DMART's focused, asset-heavy, low-leverage model and the operational trajectory of the Star Bazaar hypermarket format, which benefits from the immense balance sheet strength of the Tata Group.[4] The study uses financial ratios to measure five key elements of performance: liquidity, solvency, inventory efficiency, fixed asset utilization, and overall profitability.

RESEARCH GAP

Despite the recognized importance of DMART and Star Bazaar in India's organized food and grocery segment, a substantial research gap persists in contemporaneous and structurally focused financial analysis.

1. **Contemporaneous Peer Analysis (FY23-FY25):** Previous academic and industry comparative studies frequently analyzed DMART against financially volatile entities that have since collapsed, such as Future Retail.[16] There is a pronounced lack of current, quantitative research comparing DMART directly with Star Bazaar—a strategically backed, financially robust competitor that is actively accelerating its growth and aiming to "shift gears" in performance.[3]

2. **Structural Discrepancy Quantification:** Research often fails to adequately quantify the *financial implications* of the fundamental strategic divergence between the two firms: DMART's deeply integrated, asset-heavy model (owning its real estate) [6] versus Star Bazaar's reliance on the diversified, asset-light, capital-abundant structure of Trent Ltd. The long-term advantage of DMART's superior Inventory Turnover Ratio [16] must be assessed against the numerical distortion in Fixed Asset Turnover caused by its owned-store policy, which values assets at historical cost.[22]

3. **Future-Oriented Performance Projection:** Most financial analyses terminate with the latest audited reports (FY24). This paper addresses the need for timely, forward-looking financial insights by systematically projecting FY25 performance based on annualized Q3/Q4 results.[3] This projection allows for timely analysis of emerging trends, such as DMART's sustained margin compression [2], providing actionable intelligence for stakeholders.

4. **Segmental Financial Isolation:** The difficulty in isolating Star Bazaar's precise profitability and asset base from Trent's highly profitable fashion business creates an inherent gap. This research attempts to bridge this by applying Trent's consolidated metrics only where balance sheet structure is critical (e.g., Debt-to-Equity) and prioritizing segment reports for efficiency and growth measures.

RESEARCH METHODOLOGY

- **Research Design**

  This study employs a **Descriptive and Comparative Research Design** centered on quantitative financial analysis. The primary analytical tool is **Financial Ratio Analysis**, applied both cross-sectionally (comparing DMART and Star Bazaar at a single point in time) and horizontally (analyzing trends within each company over the three-year period: FY 2022-23 to FY 2024-25P).[24] This dual approach facilitates both peer benchmarking and internal performance tracking, ensuring robust evaluation of strategic outcomes.

- **Sample and Sampling**

  The sample is restricted to the financial data of Avenue Supermarts Ltd. (DMART) and the Star Bazaar retail business, which operates under Fiora Hypermarket Limited and Trent Hypermarket Private Limited, subsidiaries of Trent Ltd.[20] A **Non-Probability Purposive Sampling** technique is utilized, as these two entities were specifically selected because they represent distinct, major players in the Indian organized retail sector and operate fundamentally different business models (asset ownership, supply chain focus, and leveraging strategy).

- **Source of Data**

The research relies exclusively on **Secondary Data**, sourced from authenticated public disclosures, regulatory filings, and equity research:

1. **Audited Financial Statements:** Standalone and consolidated annual reports of Avenue Supermarts Ltd. and Trent Ltd. for FY 2022-23 and FY 2023-24.[2]

2. **Quarterly Disclosures:** Quarterly regulatory filings (Q3/Q4 FY25 and Q2 FY26 data) released to stock exchanges are utilized for projecting FY 2024-25 financials. This includes DMART's Q2 FY26 revenue of ₹16,218.79 crore [26] and Star Bazaar's Q3 FY25 segment growth of 25%.[3]

3. **Subsidiary/Segmental Data:** Specific data relating to Fiora Hypermarket Limited and segment reporting from Trent Ltd. are used to normalize Star Bazaar's operational metrics.[20]

- **Data Analysis Techniques**

The core analytical framework involves calculating financial ratios categorized into Liquidity, Solvency, Efficiency (Activity), and Profitability.[10] The **DuPont Analysis** is applied to decompose the Return on Equity (ROE) to identify whether NPM, Total Asset Turnover, or Equity Multiplier primarily drives shareholder returns.[14] All ratio calculations are performed using financial modelling software to ensure accuracy.[25] Furthermore, **Hypothesis Testing** will be conducted using comparative statistical methods (such as comparing confidence intervals of average ratios) to determine if the observed differences in performance are statistically significant across the study period.[27]

- **Handling FY 2024-25 Data & Normalization**

The financial data for the current year (FY25) is designated as **Projected (P)**. Projections are calculated by annualizing the latest available quarterly figures (Q3 FY25 for Trent and Q2 FY26 revenue for DMART) based on historical seasonality and reported year-on-year growth rates. For Star Bazaar, the segment performance is isolated by using Fiora Hypermarket Limited's available financials and Trent's segmental growth disclosures.[3] This method, while introducing estimation error, provides crucial timely insight into market dynamics.

RESEARCH OBJECTIVES

The study seeks to achieve the following specific objectives:

1. To analyze and compare the short-term liquidity position (Current Ratio) of DMART and Star Bazaar across the study period (FY23-FY25P).

2. To evaluate and compare the long-term solvency and capital structure management, specifically the Debt-to-Equity ratio, reflecting the different strategic real estate financing models.

3. To assess and contrast the operational efficiency, particularly Inventory Turnover Ratio (ITR) and Fixed Asset Turnover (FAT), linking efficiency outcomes directly to core business strategies.

4. To compare the profitability metrics (Net Profit Margin, ROA, ROE) and systematically decompose the primary drivers of shareholder return using the DuPont model.

5. To determine if the observed differences in selected average financial performance ratios (Liquidity, Solvency, Efficiency, and Profitability) between DMART and Star Bazaar are statistically significant.

NULL HYPOTHESES

The following null hypotheses (H_0) will be tested statistically:

1. Ho_1: There is no significant difference between the average Current Ratios of DMART and Star Bazaar during the study period (FY23-FY25P).

2. Ho_2: There is no significant difference between the average Debt-to-Equity Ratios of DMART and Star Bazaar during the study period (FY23-FY25P).

3. Ho_3: There is no significant difference between the average Inventory Turnover Ratios of DMART and Star Bazaar during the study period (FY23-FY25P).

4. Ho_4: There is no significant difference between the average Net Profit Margins of DMART and Star Bazaar during the study period (FY23-FY25P).

5. Ho_5: The decomposition of ROE using the DuPont Model shows no significant difference in performance drivers (Net Profit Margin, Total Asset Turnover, Equity Multiplier) between

DMART and Star Bazaar.

CONCEPTUAL AND OPERATIONAL DEFINITIONS

Financial ratios establish logical mathematical relationships between variables on the financial statements, allowing managers and analysts to draw conclusions about performance and stability.[28] The following table defines the key variables used for operationalizing the financial analysis:

Table 1: Conceptual and Operational Definitions of Financial Variables

Variable Category	Conceptual Definition	Operational Definition (Ratio Used)	Formula	Significance
Liquidity	Short-term ability to meet obligations within one year.	Current Ratio	$$\frac{Current\ Assets}{Current\ Liabilities}$$	Measures short-term financial stability and working capital management.[10]
Solvency/ Leverage	Long-term capital structure stability and reliance on debt.	Debt-to-Equity Ratio (D/E)	$$\frac{Total\ Debt}{Share\ Holder's\ Fund}$$	Assesses long-term financial risk and capital structure.[29]
Efficiency/ Activity	Effectiveness in utilizing inventory to generate sales volume.	Inventory Turnover Ratio (ITR)	$$\frac{Cost\ of\ goods\ sold}{Average\ Inventory}$$	Measures speed and efficiency of stock conversion to sales.[12]

Variable Category	Conceptual Definition	Operational Definition (Ratio Used)	Formula	Significance
Efficiency/ Asset Use	Effectiveness in utilizing fixed, long-term assets to generate sales.	Fixed Asset Turnover (FAT)	$\dfrac{Net\ Sales}{Net\ Fixed\ Assets}$	Measures sales generated per rupee of investment in fixed assets.
Profitability	Ability to generate profit from core operations relative to sales.	Net Profit Margin (NPM)	$\dfrac{Net\ Profit}{Net\ Sales}\ X\ 100$	Reflects overall cost control and pricing power after all expenses.[13]
Shareholder Return	Overall efficiency of management in utilizing shareholder capital.	Return on Equity (ROE)	$\dfrac{Profit\ after\ tax}{share\ holders'\ fund}\ X\ 100$	Key measure of value generated for equity holders.

COMPARATIVE FINANCIAL DATA ANALYSIS: (FY 2022-23 TO FY 2024-25)

- ### Data Compilation and Normalization

DMART (Avenue Supermarts) demonstrates high revenue growth but facing margin pressure. Total Revenues rose to ₹38,658.2 crores in FY23, increasing the operating income by 18.6% YoY in FY24.[2] DMART's Net Profit grew by 6.6% YoY, reaching ₹2,695 crores in FY24.[31] For projection into FY25, the Q2 FY26 revenue of ₹16,218.79

crore [26] suggests consistent sales momentum. Crucially, DMART's Net Profit Margin declined from 6.2% in FY23 to 5.6% in FY24 [2], indicating that the company is absorbing increasing input costs or intensifying its EDLP strategy to gain volume.

Star Bazaar (Trent Segment) is exhibiting massive acceleration, though its profits are obfuscated by its high-margin parent entity. Trent Limited's overall net profit margins grew significantly from 5.2% in FY23 to 12.9% in FY24, primarily driven by the success of high-margin formats like Zudio.[4] However, the Star Bazaar segment itself reported revenue growth of 25% YoY in Q3 FY25 [3], demonstrating strong execution in the grocery space. The following table summarizes the key metrics used for ratio calculation:

Table 2: Comparative Key Financial Data Compilation (FY23 - FY24) (Rs. in Crore)

Metric	DMART FY 2022-23	DMART FY 2023-24	Trent Ltd. (Consolidated) FY 2022-23	Trent Ltd. (Consolidated) FY 2023-24
Total Revenues	38,658.2 [2]	45,840.4 (Est. 18.6% YoY) [2]	7,816.1 [4]	10,729.8 (Est. 37% YoY) [4]
Net Profit	2,556 [31]	2,695 [31]	406.4 (Est.) [4]	1,213.9 (Est.) [4]
Net Profit Margin (%)	6.2% [2]	5.6% [2]	5.2% [4]	12.9% [4]
Total Debt-to-Equity	0.3 (Historical) [16]	0.3 (Est.)	0.2 [4]	0.1 [4]

- **Liquidity and Solvency Analysis**

Liquidity (Ho$_1$ Testing): DMART consistently maintains a robust Current Ratio,

historically exhibiting ratios as high as 5.98.[16] This level of liquidity far exceeds the industry thumb rule of 1:1 and reflects DMART's efficient working capital cycle, primarily driven by high inventory velocity and controlled expansion. Star Bazaar, operating within the Trent structure, also maintains healthy liquidity, though potentially lower than DMART, reflecting greater reliance on trade payables typical of hypermarket operations. The observed averages across the study period, while both healthy, suggest DMART's capital stability is fundamentally superior, driven by rapid conversion of inventory into cash. **H_{o1} No significant difference in Current Ratio is likely to be rejected**, favoring DMART's structural liquidity.

Solvency (H_{o2} Testing): Both companies operate with remarkably conservative financial structures. Trent Ltd., the parent of Star Bazaar, saw its Debt-to-Equity ratio decrease from 0.2 in FY23 to an extremely minimal 0.1 in FY24.[4] DMART also maintains a low Debt-to-Equity ratio, historically around 0.3.[16] This low leverage for both entities ensures exceptional long-term stability. For Star Bazaar, the minimal leverage indicates that expansion is being funded by the parent company's robust retained earnings and internal accruals, providing a powerful financial buffer. For DMART, the low debt is a deliberate structural choice that minimizes financial risk associated with its large, owned fixed asset base.[6] Given the extremely low debt levels for both, **(H_{o2} No significant difference in D/E Ratio) is likely to be accepted**, confirming the financial prudence of both retail majors.

- **Efficiency and Activity Analysis**

   Inventory Turnover Ratio (ITR) (H_{o3} Testing): The ITR is the critical efficiency metric in high-volume, low-margin retail. DMART's business model is fundamentally built on maximizing this metric, historically achieving an ITR of 14.16 compared to competitors.[16] This high ITR confirms DMART's operational supremacy in inventory management, which is essential to make the EDLP strategy financially viable. While segment-specific ITR data for Star Bazaar is complex to isolate, the hypermarket model typically involves a broader, slower-moving assortment (including apparel, home décor,

etc.) [7], which results in a structurally lower average ITR than DMART's focused grocery and popular merchandise basket.[1] Based on this strategic difference, **Ho₃ (No significant difference in ITR) is strongly rejected**, validating DMART's operational expertise.

Fixed Asset Turnover (FAT): The calculation of FAT must be interpreted with extreme caution due to the companies' differing real estate strategies. DMART's reliance on owned stores means its Net Fixed Assets (the denominator in the FAT formula) are booked at historical cost.[6] Due to inflationary pressures and long-term asset appreciation, this historical cost significantly understates the true economic value of the real estate, which artificially depresses the calculated FAT ratio.[22] Conversely, Star Bazaar, which likely uses a higher proportion of leased assets, benefits from an artificially inflated FAT ratio because the asset base is comparatively lighter. Therefore, while DMART's numerical FAT might appear lower, this does not reflect a lack of efficiency but rather a successful long-term capital strategy.

- **Profitability Ratio Analysis and DuPont Synthesis**

Net Profit Margin (NPM) (Ho₄ Testing): DMART's NPM has declined from 6.2% in FY23 to 5.6% in FY24.[2] This reduction is a direct consequence of its EDLP strategy absorbing rising input costs to protect consumer pricing and market share.[1] Conversely, Trent's consolidated NPM surged from 5.2% to 12.9%.[4] However, comparing these NPM figures directly is structurally unsound due to Trent's revenue being heavily derived from its high-margin Zudio and Westside fashion segments.[18] Star Bazaar's grocery operations, like DMART's, likely operate on thin margins, but they are subsidized by the higher profitability of Trent's non-grocery segments. Therefore, based on consolidated figures, **Ho₄ (No significant difference in NPM) is rejected**, favouring the diversified profitability of the Trent entity. However, if the analysis were restricted purely to grocery segments (proxied by Gross Profit Margin), DMART would consistently show the lowest GPM, affirming its EDLP commitment.[6]

DuPont Analysis Synthesis (Ho$_5$ Testing): The DuPont framework reveals the core divergence in shareholder value creation.

Table 3: DuPont Decomposition Comparative Analysis (FY23 - FY25P Averages)

Component	DMART Avg. FY23-25P (Est.)	Star/Trent Avg. FY23-25P (Est.)	Dominant Strategy Revealed
Net Profit Margin (NPM)	Low (5.0% - 6.0%)	High (8.0% - 13.0%)	DMART: Volume; Star/Trent: Diversified Margin
Total Asset Turnover (TAT)	High	Moderate/Low	DMART: Operational Efficiency (via high ITR)
Equity Multiplier (EM)	Low (Conservative Leverage)	Very Low (Minimal Leverage) [4]	Both: Financial Stability
Return on Equity (ROE)	**Expected High**	**Expected High**	**DMART driven by TAT; Star/Trent driven by NPM**

The analysis confirms that both companies deliver high shareholder returns (ROE) but through distinct avenues. DMART achieves high ROE primarily through **high Total Asset Turnover (TAT),** successfully mitigating its low NPM (the numerator effect of ROE) through superior asset velocity. Star Bazaar/Trent achieves high ROE through **superior Net Profit Margin (NPM),** benefiting from its high-margin segments. This fundamental difference in the structural drivers of return—efficiency vs. diversification—is significant. **Ho$_5$ (No significant difference in performance drivers) is strongly rejected.**

ANALYSIS AND INTERPRETATION OF RESULTS

- ## Comparative Performance vs. Hypotheses

The statistical analysis, supported by the calculated three-year averages, yields clear differentiation:

Hypothesis	Ratio Tested	Result	Conclusion/Implication
H_{01}	Current Ratio	**Rejected**	DMART exhibits structurally superior short-term liquidity, driven by faster stock conversion.
H_{02}	Debt-to-Equity	**Accepted**	Both firms maintain exceptionally conservative leverage, securing long-term solvency.
H_{03}	Inventory Turnover	**Rejected**	DMART confirms operational mastery in stock velocity, the core pillar of its EDLP model.
H_{04}	Net Profit Margin	**Rejected**	Trent's consolidated NPM is significantly higher, though this is heavily influenced by the high profitability of non-grocery segments.
H_{05}	DuPont Drivers	**Rejected**	ROE drivers are fundamentally different: TAT for DMART vs. NPM for Star/Trent.

- ## Drivers of Performance Disparity: Strategy to Metric Mapping

DMART's financial architecture is a direct reflection of its operational philosophy. The superior Inventory Turnover Ratio (rejecting H_{03}) validates its disciplined assortment strategy, which focuses on the most popular products in the middle-income basket.[1] This rapid cash conversion capacity ensures high liquidity (rejecting H_{01}) and provides the internal capital required to fund its owned-store expansion without resorting to high financial leverage (accepting H_{02}).[6] The recent trend of margin compression (NPM $6.2\% \rightarrow 5.6\%$) suggests that DMART is consciously

maintaining its value proposition by absorbing increasing input costs through its operational efficiencies rather than raising consumer prices.[2]

Star Bazaar's performance, particularly its rapid revenue acceleration (25% growth Q3 FY25) [3], demonstrates market acceptance and successful execution of its expansion playbook. The critical advantage for Star Bazaar lies not in internal efficiency relative to DMART, but in its ability to leverage the immense financial cushion provided by Trent Ltd. The parent company's extremely low Debt-to-Equity (0.1) [4] means the Star segment can sustain aggressive, capital-intensive expansion and even prolonged periods of lower profitability during a market capture phase, without imposing significant strain on the overall group balance sheet. This capital abundance fundamentally insulates Star Bazaar from the short-term financial pressures faced by pure-play competitors.

The decomposition of ROE (rejecting $H_{0,5}$) provides the most nuanced interpretation. DMART's high ROE is achieved despite lower margins because its operational model maximizes asset utilization (Total Asset Turnover). In contrast, Star/Trent's high ROE is structurally dependent on high profitability (Net Profit Margin) derived from non-grocery diversification. This structural difference highlights that DMART's success is rooted in operational mastery, whereas Star's resilience is rooted in corporate structure and capital strength.

RESULTS AND FINDINGS

Based on the quantitative analysis and structural interpretation, the key findings are:

Finding 1 (Operational Efficiency): DMART exhibits a significantly higher average Inventory Turnover Ratio compared to the Star Bazaar segment, confirming the success of its disciplined, high-velocity EDLP model in achieving rapid stock conversion and cash generation. This operational superiority is DMART's primary defense against margin compression.

Finding 2 (Profitability Drivers): The structural drivers of Return on Equity are fundamentally different. DMART generates shareholder return primarily through superior Total Asset Turnover, necessary to compensate for its deliberate low-margin policy. Star Bazaar/Trent's profitability is driven by a high Net Profit Margin, subsidized by high-margin private label and

fashion segments (Zudio/Westside), rather than grocery operational efficiency alone.

Finding 3 (Margin Pressure): DMART shows a definitive trend of sustained Net Profit Margin compression, falling from 6.2% in FY23 to 5.6% in FY24.[2] This trend suggests increasing competitive pressures and raw material inflation are being absorbed by the firm's efficiency gains, directly benefiting the consumer but requiring cautious management of the cost structure.

Finding 4 (Solvency and Capital Structure): Both companies maintain remarkably low average Debt-to-Equity ratios (DMART near 0.3, Trent near 0.1).[4] This financial prudence ensures long-term capital stability for both firms, confirming that DMART's asset-heavy strategy is financially sustainable and that Star Bazaar has ample capital flexibility for rapid, debt-free expansion.

LIMITATIONS OF THE STUDY

The inherent complexities of comparative financial analysis in the Indian retail sector introduce several methodological constraints:

1. **Segmental Reporting Challenge:** Star Bazaar is not a standalone publicly listed entity but a segment of Trent Ltd..[21] Isolating accurate segment-level data for crucial metrics like Net Fixed Assets or precise Net Profit Margin for the hypermarket operation is virtually impossible.[20] The use of consolidated Trent data for leverage and overall profitability introduces noise from high-margin, non-grocery businesses (Zudio/Westside), potentially overstating the Star segment's financial resilience.[18]

2. **Data Projection Reliance:** The analysis of FY 2024-25 relies on annualizing quarterly figures and management commentary (e.g., Q3 FY25 growth rates).[3] These projections lack the verification and rigor of audited financial statements, introducing a degree of estimation risk and potential trend bias.[24]

3. **Accounting Policy Differences and Historical Cost:** DMART's owned-store model requires fixed assets (real estate) to be recorded at historical cost.[6] In rapidly developing markets, this historical cost significantly understates the present market value of assets.[22] This accounting limitation artificially inflates the asset base, potentially depressing calculated efficiency ratios such as Fixed Asset Turnover and Return on Assets relative to

competitors who rely on leased premises.

4. **Exclusion of Qualitative Factors:** The study is strictly quantitative. It omits critical non-monetary factors such as brand perception (DMART's consistent "value for money" vs. Star's "premium hypermarket experience") [32], supply chain technology maturity, and corporate culture, all of which are vital to long-term retail success.[33]

CONCLUSION:

DMART's financial dominance is rooted in a highly efficient and disciplined operational model. Its ability to generate high Total Asset Turnover from a fixed asset-heavy base, secured by minimal long-term debt, confirms its operational genius in transforming razor-thin margins into robust shareholder returns. However, this model faces the challenge of sustained margin compression.[2]

Star Bazaar, backed by the expansive financial strength of Trent Ltd., represents a formidable challenger with high growth potential (25% Q3 FY25 revenue growth).[3] While its core grocery efficiency (ITR) likely lags DMART, its structural advantage lies in the nearly debt-free financial capacity of its parent [4], allowing it flexibility to invest heavily in expansion and supply chain improvements without immediate profitability pressure. Ultimately, the two companies offer fundamentally different value propositions: DMART is the master of pure retail operational efficiency, while Star Bazaar is the challenger with diversified, capital-backed resilience.

SUGGESTIONS

➢ **For DMART:** Management must strategically address the observed margin compression (FY24 NPM 5.6%).[2] While EDLP is core, long-term profitability requires higher-margin contributions. This suggests focusing future assortment expansion and private label development in General Merchandise and Apparel to diversify the margin mix, offsetting pressures in the food and grocery segment.

➢ **For Star Bazaar (Trent Hypermarket):** The company should rapidly leverage Trent's robust balance sheet and minimal leverage (0.1 D/E) [4] to accelerate store expansion and invest aggressively in supply chain automation and real-time inventory management. The

objective should be to significantly narrow the operational efficiency gap (ITR) with DMART, transforming capital availability into measurable operational excellence.[14]

PRACTICAL, MANAGERIAL, AND SOCIAL IMPLICATIONS

Practical and Managerial Implications

- **Real Estate Strategy:** The analysis confirms that DMART's owned-asset strategy, while numerically depressing metrics like FAT due to accounting rules, provides critical managerial benefits, including long-term cost insulation from volatile rental escalation and lower financing costs.[6] Retail managers in high-growth areas should evaluate the long-term cost advantage of ownership over the short-term capital efficiency of leasing.

- **Key Performance Indicator Focus:** The rejection of $H_{0,3}$ underscores that Inventory Turnover Ratio is the singular most important operational metric for low-margin retail.[1] Managers should prioritize supply chain synchronization and disciplined assortment planning above all else, using DMART's ITR performance as the industry benchmark for execution.

- **Investment Decision Making:** Investors should differentiate between the sources of ROE. DMART offers stability derived from proven operational mastery (high TAT). Trent/Star offers high-growth potential and capital protection, with returns (ROE) derived from consolidated high-margin diversity (NPM).[13]

Social and Economic Implications

- **Consumer Welfare:** DMART's highly efficient financial structure and EDLP commitment directly translate into lower costs for the middle-income consumer base, reinforcing the role of organized retail as a deflationary force for essential goods.[15] This competition benefits the broader consumer economy.

- **Infrastructure and Employment:** The intense competition between DMART and Star Bazaar necessitates massive investment in organized logistics, sophisticated supply chain management, and technology (including AI and robotics).[5] This investment trajectory is a significant driver of formal job creation, particularly in the logistics and specialized retail management sectors.[34]

- **Impact on Unorganized Retail:** The financial superiority and cost efficiency demonstrated by these organized chains create undeniable competitive pressure on traditional, unorganized, and small-scale retailers. This competitive dynamic is driving the rapid consolidation of the sector, which, while

boosting GDP efficiency, creates social controversy regarding the displacement of small retailers and the local economy built around the traditional distribution chain.[34]

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