# Rewiring the Frontline: Building a Sustainable Talent Management for the Future of Work

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### **BUSINESS PROBLEM**

High turnover rates exceeding 236% in CPG warehouses disrupt productivity, well above the industry benchmark of 136%, necessitating immediate intervention.

This study focuses on retaining frontline talent by exploring strategies to engage new hires and improve overall retention. Through a blend of qualitative and quantitative methods, actionable insights will be provided to develop compelling Employee Value Propositions (EVPs) aligning employee preferences with organizational goals, aiming to reduce turnover costs and ensure enduring organizational stability.

Stakeholders: Fortune 500 Consumer packaged goods company.



- Difficulty assessing intangible aspects due to human nature constraints in statistical modeling.
- Our study duration of 4 months may not capture actual turnover rate changes.
- Limited access to competitor reward programs constrains research scope.

### **ANALYTICAL PROBLEM**

### Goal

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The research aims to identify the **primary drivers of employee** attrition in consumer-packaged goods (CPG) warehouses, with a specific focus on warehouse operations, considering the implications of shifting labor market dynamics.

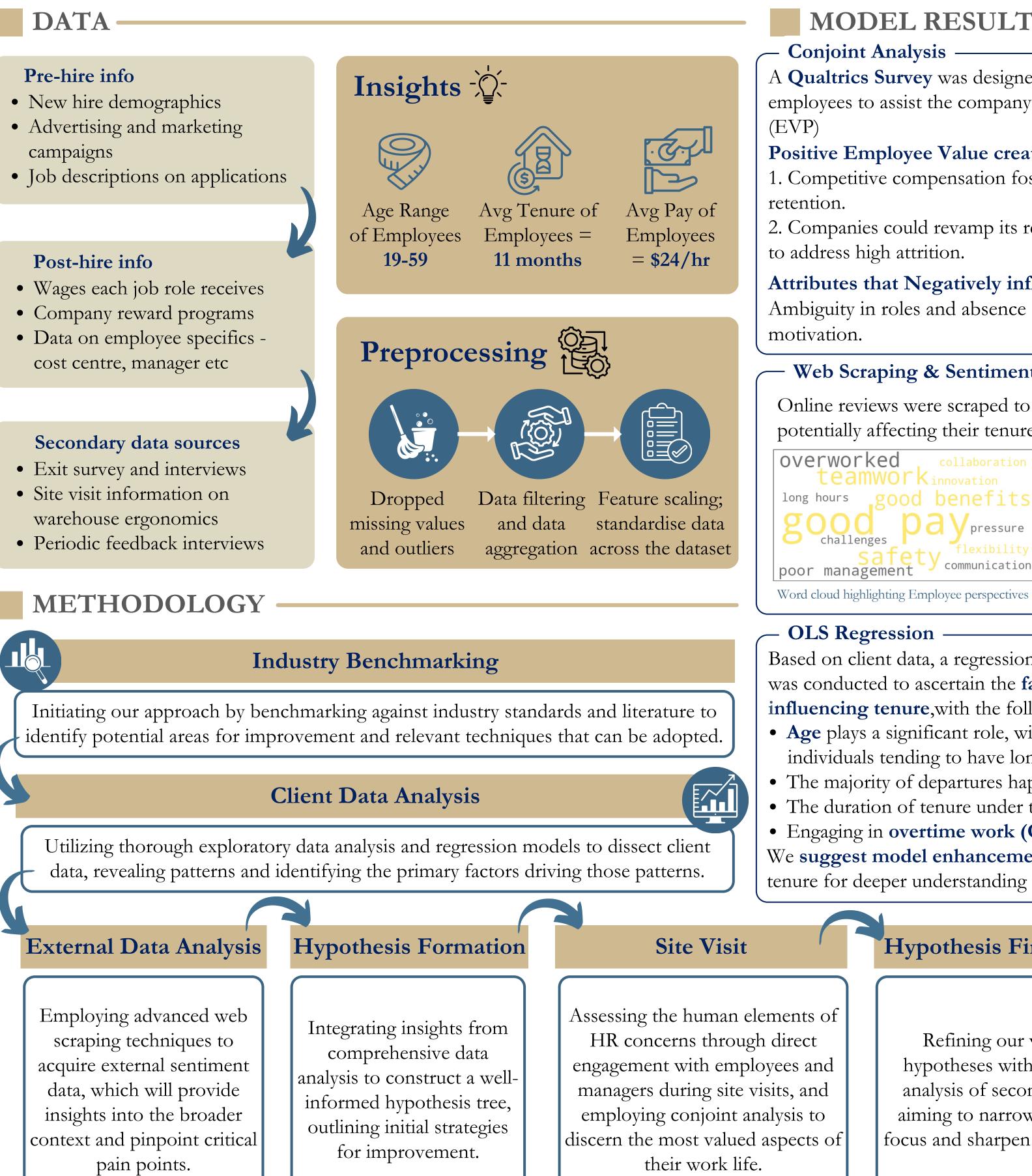
### How

The study seeks to utilize a comprehensive approach, integrating qualitative and quantitative analyses, to identify these factors and guide the development of compelling benefits package aimed at fostering longer employee tenures in consumer-packaged goods (CPG) warehouses.



#### Assumption

We assume zero correlation between the identified factors so improvements in any of these areas it is expected to singularly reduce turnover.



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### **MODEL RESULTS & KEY INSIGHTS**

A Qualtrics Survey was designed to gauge the key factors deemed important by employees to assist the company in crafting a compelling Employee Value Proposition

#### **Positive Employee Value creation:**

1. Competitive compensation fosters employee

2. Companies could revamp its rewards program

Attributes that Negatively influence EVP:

Ambiguity in roles and absence of structured growth plans diminish employee tenure

#### - Web Scraping & Sentiment Analysis

Online reviews were scraped to analyze factors impacting frontline worker opinions,

potentially affecting their tenure

**DOO DOV** pressure y communication



**Competitive Pay** and **Benefits** significantly boost tenure, as user reviews highlight their positive loyalty impact

Attribute Importance of Key Employee Value Factors

& Benefits Recognition Management Interaction Clarity Opportunitie

**Poor management**, including **overworking** and X lack of support, significantly impacts key reasons for turnover.

Based on client data, a regression analysis was conducted to ascertain the factors influencing tenure, with the following: • Age plays a significant role, with older individuals tending to have longer tenures

Factors	Coeffecient	p-value	
Age	0.2086	0.0001	
Exit Quarter Q2	0.6651	0.001	
Current Manager Tenus	3.6048	0.003	
OTR	1.5648	0.009	

The majority of departures happen during Q2, particularly in the summer months • The duration of tenure under the **current manager** emerges as a crucial factor • Engaging in overtime work (OTR) affects the length of tenure

We suggest model enhancement by including more employee characteristics affecting tenure for deeper understanding of driving forces.

#### Hypothesis Finalization

Refining our working hypotheses with a detailed analysis of secondary data, aiming to narrow down our focus and sharpen our insights.

#### Recommendations

Formulating concrete recommendations by leveraging our final hypotheses, applying innovative methods to effectively address the identified challenges.

### **DEPLOYMENT & LIFE CYCLE MANAGEMENT**

Upon reviewing model results and insights, our seven initial hypotheses were condensed into four final hypotheses. Implementing these recommendations, companies can make micro-changes to enhance employee experience and boost retention rates.



Implementing above recommendations could reduce turnover by 10%. Furthermore, stakeholders stated that the estimation of turnover reduction and proposed solutions are actionable and looks highly promising.

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- experiences.
- data collection.

Companies that cultivate a culture of continuous improvement and maintain vigilance over company benefits and policies are more likely to retain employees for extended periods

We thank Professor Lanham and our industry mentors for their project guidance.







C	onvert to an up-to-date and <b>attractive job description</b> can increase up to <b>14%</b> prospective applicants that meet at least <b>75%</b> of the criteria.
eı	Establish targeted mechanisms during the pre-hiring process by nhancing the method for identifying <b>employee characteristics</b> that influence tenure.
	Implement a <b>rewards program</b> for new joiners, incentivizing completion of personalized training modules and attainment of targeted <b>performance score</b> improvement percentages.
	<ul> <li>Implement QR code-based productivity tracking for employees' EP Score to enhance operational efficiency.</li> <li>Develop a warehouse floor map and deploy an indoor positioning system for optimized logistics management.</li> </ul>

### **FUTURE SCOPE**

• Integrating advanced AI to **personalize** • Incorporate gamification with achievement badges to encourage engagement and improve onboarding

• Embed **IoT sensors** across the warehouse for real-time performance

