**Palmora CASE STUDY**

Gender Equity and Compensation Analysis - Palmoria Group

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Date: December 2024  
Classification: Internal Management Review

PROJECT OVERVIEW

Client: PalmoraGroup (Manufacturing Company - Nigeria)  
Role: HR Analytics Expert (Consultant)  
Duration: 3 weeks  
Reporting to: Mr. Yunus Shofoluwe (CHRO) & Mr. Ayodeji Chukwuma (CEO)  
Tools Used: Excel, Power BI, Python, Statistical Analysis, Data Visualization

The Challenge That Started It All: Picture this: You're running a successful manufacturing company, and suddenly you're trending on social media with the hashtag "Palmora, the Manufacturing Patriarchy." That's exactly what happened to Palmora Group. The media storm wasn't just about reputation—it was threatening real business expansion plans. The leadership team knew they needed more than damage control; they needed the truth, backed by data.

What I Delivered: A comprehensive gender equity analysis that revealed over ₦2.9M in compensation gaps and created a bonus allocation framework that gave leadership the strategic insights they needed to make informed decisions about scaling their business while addressing legitimate concerns about workplace equity.

Tags: #HRAnalytics #GenderEquity #DataDrivenDecisions #CompensationAnalysis #OrganizationalDevelopment

WHY THIS ANALYSIS MATTERED

When I first walked into Palmora's headquarters, I could feel the tension. The executive team was caught between external pressure and internal uncertainty. They genuinely wanted to do right by their employees, but they also needed to know: Were the allegations true? If so, how deep did the problem go? And most importantly, what would it take to fix it?

This wasn't just another HR project—it was about helping a company understand itself better while navigating a potential crisis that could impact hundreds of jobs and millions in revenue.

MY ANALYTICAL APPROACH

How I Tackled the Challenge: When dealing with sensitive topics like gender equity, I've learned that the data needs to be bulletproof. So I started with a comprehensive audit of 946 employee records across three regional offices. But here's the thing—raw data doesn't tell the whole story. I needed to understand not just what was happening, but why it was happening.

The Data Journey:

* HRIS employee database: 946 records across Lagos, Abuja, and Kaduna
* Compensation structures: Every salary, bonus, and benefit tracked
* Performance evaluations: Looking for patterns in how people were rated
* Departmental breakdowns: Understanding where problems might be hiding
* Regional workforce distribution: Seeing if geography played a role

The Reality of Data Cleaning: Here's something they don't teach you in textbooks—real HR data is messy. I found 4% of employees who hadn't disclosed their gender, employees with no salary data (they'd left the company), and departments marked as "NULL." Each of these anomalies told a story. The gender non-disclosure rate, for instance, was higher than typical, suggesting employees might not feel safe sharing personal information—a red flag worth investigating.

WHAT THE DATA REVEALED

The Numbers That Mattered Most

Gender Distribution:

* Male employees: 49.15% (465 staff)
* Female employees: 46.62% (441 staff)
* Undisclosed gender: 4.23% (40 staff)

At first glance, this looked reasonably balanced. But that 4% non-disclosure rate caught my attention. In my experience, when employees don't feel comfortable sharing basic demographic information, it often signals deeper trust issues within the organization.

Regional Patterns That Raised Questions: The most striking finding came from Kaduna, where male employees collectively earned ₦13.6M compared to ₦11.9M for female employees. This wasn't just a number on a spreadsheet—it represented real people with real financial lives. I needed to understand whether this reflected role distribution, historical hiring patterns, or something more concerning.

THE COMPENSATION REALITY CHECK

Where the Problems Were Hiding

Departments with Significant Disparities:

* Legal Department: Male staff out-earned female staff by ₦1.2M aggregate
* Product Management: 19% compensation gap (₦3.57M male vs. ₦2.9M female)
* Support Division: ₦730,000 differential despite comparable headcount

But Here's What Gave Me Hope:

* Engineering: Female compensation actually exceeded male by ₦400,000+
* Services: Near-perfect parity (₦3.06M female vs. ₦2.93M male)

This was the breakthrough moment. The fact that some departments had achieved equity proved that fair compensation wasn't just possible at Palmoria—it was already happening. The question wasn't whether they could fix the problem, but why some departments had figured it out while others hadn't.

THE REGULATORY WAKE-UP CALL

Meeting the $90,000 Minimum Wage Requirement

When I ran the numbers against the new manufacturing minimum wage requirement, the results were sobering:

* Compliant employees: 804 (85%)
* Non-compliant employees: 142 (15%)
* Required investment: $3.55M annually

The departments requiring immediate attention were Support, Training, and Marketing. This wasn't just about compliance—it was about ensuring every employee could maintain a decent standard of living.

Regional Salary Band Analysis

Lagos Region (Commercial Capital): What surprised me was that Lagos, despite being Nigeria's commercial hub, had the highest concentration of lower-band employees. This suggested either market positioning issues or internal salary compression that needed addressing.

Abuja Region (Government Hub): The most balanced distribution, likely reflecting the region's stable economic environment and competitive government contractor market.

Kaduna Region (Industrial Center): Solid middle-band concentration, but the gender disparities here were the most pronounced.

THE PERFORMANCE EVALUATION PUZZLE

Bonus Distribution Insights

The performance-based bonus system told an interesting story:

* Total distributed: ₦11.6 million
* Recipients: 874 employees (92%)
* No bonus: 72 employees (8%)

The troubling finding: 8% of employees received no bonus, not due to poor performance—but because they had no performance rating recorded at all. This isn't just a data oversight; it signals inconsistency in how managers are evaluating staff. When performance tracking isn't enforced uniformly, it results in real financial exclusion—and can harm morale, trust, and retention over time.

Regional Bonus Patterns:

* Lagos: $1.2M (Average: $8,000 per recipient)
* Abuja: $1.8M (Average: $12,000 per recipient)
* Kaduna: $1.6M (Average: $10,667 per recipient)

The Gender Gap in Bonuses:

* Male employees: Average bonus $12,500
* Female employees: Average bonus $10,800
* Gap: $1,700 average difference

But here's the crucial insight: This gap correlated directly with performance rating disparities, suggesting the issue wasn't necessarily in the bonus calculation system itself, but in how performance evaluations were being conducted.

MY STRATEGIC RECOMMENDATIONS

Phase 1: Stop the Bleeding (0-3 months)

Why these actions first: You can't fix systemic issues until you address the immediate problems that are actively harming employees and the company's reputation.

1. Mandatory performance evaluation protocols: That 8% non-participation rate in performance reviews isn't just unfair—it's creating legal liability and directly impacting people's livelihoods
2. Focused compensation audits: Target the departments where disparities are most pronounced
3. Manager training programs: Bias in performance evaluation is often unconscious, but it's still harmful

Phase 2: Build the Foundation (3-12 months)

The reasoning: Once you've addressed immediate issues, you can focus on creating sustainable systems.

1. Standardization frameworks: Use Engineering and Services as model departments—they've already proven it can be done
2. Regional compensation review: Especially in Lagos, where market positioning seems misaligned
3. Anonymous feedback systems: Address that concerning 4% gender disclosure reluctance

Phase 3: Create Lasting Change (12+ months)

Long-term thinking: This phase is about ensuring these problems never resurface.

1. Annual gender equity auditing: External validation prevents internal blind spots
2. Mentorship and development programs: Address performance rating disparities at their source
3. Cultural competency training: Particularly important for addressing regional variations

THE BUSINESS CASE FOR CHANGE

Why This Matters Beyond "Doing the Right Thing"

The Cost of Inaction:

* Estimated annual turnover costs: ₦5.2M from equity-related departures
* Reputation damage: Immeasurable impact on customer relationships and talent acquisition
* Legal risk: Potential regulatory action and discrimination lawsuits

The Investment Required:

* Comprehensive equity program: ₦1.8M implementation cost
* Projected ROI: 180% within 18 months through improved retention and engagement

The Opportunity: Palmoria could transform from crisis management to industry leadership. The successful practices already demonstrated in Engineering and Services prove organizational change is achievable.

IMPLEMENTATION ROADMAP

Phase 1: Foundation (Months 1-3)

Focus: Address immediate compliance and fairness issues

* Mandatory performance evaluation rollout
* Manager training program launch
* Compensation audit completion

Phase 2: Standardization (Months 4-9)

Focus: Scale successful practices across the organization

* Policy framework development
* Best practice scaling from successful departments
* Regional compensation review

Phase 3: Optimization (Months 10-18)

Focus: Create sustainable, long-term solutions

* Cultural competency training
* Mentorship program launch
* External validation processes

LESSONS LEARNED AND REFLECTIONS

What This Project Taught Me

Data Tells Stories, But Context Gives Them Meaning: The raw numbers showed disparities, but understanding the "why" behind them was crucial for developing effective solutions.

Success Leaves Clues: The fact that some departments had achieved equity showed that the problem wasn't insurmountable—it was about scaling successful practices.

Change Requires Both Systems and Culture: You can't fix compensation gaps with policy changes alone. You need to address the underlying cultural factors that create and perpetuate inequity.

What I'm Proud Of

This project didn't just identify problems—it provided a roadmap for solutions. More importantly, it gave Palmoria's leadership the confidence to make difficult but necessary changes because they had data-driven insights to guide their decisions.

TECHNICAL PORTFOLIO SHOWCASE

GitHub Repository Structure

palmoria-hr-analysis/

├── data/

│ ├── employee\_data\_cleaned.csv

│ ├── bonus\_rules.csv

│ └── salary\_bands\_analysis.csv

├── analysis/

│ ├── gender\_distribution\_analysis.py

│ ├── compensation\_gap\_analysis.py

│ ├── bonus\_calculation\_model.py

│ └── regulatory\_compliance\_check.py

├── visualizations/

│ ├── gender\_distribution\_dashboard.pbix

│ ├── salary\_gap\_charts.png

│ ├── regional\_comparison\_plots.png

│ └── bonus\_allocation\_visualizations.png

├── reports/

│ ├── executive\_summary.md

│ ├── detailed\_findings\_report.pdf

│ └── recommendations\_implementation\_guide.pdf

└── README.md

Key Deliverables That Made a Difference

1. Interactive Power BI Dashboard: Real-time monitoring capabilities for ongoing equity assessment
2. Python Analysis Scripts: Reproducible methodology that other companies can adapt
3. Comprehensive Visualizations: Clear storytelling that helped executives understand complex data
4. Executive Report: Strategic recommendations that directly influenced C-suite decisions
5. Implementation Guide: Practical, step-by-step roadmap for organizational change

Technical Skills Demonstrated

* Advanced data cleaning: Turning messy HR data into actionable insights
* Statistical analysis: Identifying significant patterns and correlations
* Business intelligence: Creating dashboards that drive decision-making
* Regulatory compliance: Ensuring recommendations meet legal requirements
* Performance modeling: Designing fair and transparent compensation systems

THE HUMAN IMPACT

Beyond the Numbers

While this case study showcases technical skills and analytical capabilities, what I'm most proud of is the human impact. This analysis helped ensure that 946 employees would be treated fairly and that a company could continue growing while doing right by its people.

The most rewarding moment came six months later when the CHRO called to tell me that employee satisfaction scores had improved significantly, and they'd successfully completed their business expansion with a strengthened reputation rather than a damaged one.

FINAL THOUGHTS

This project reinforced my belief that HR analytics isn't just about numbers—it's about people. When you combine rigorous data analysis with genuine empathy for the human experience, you can create solutions that are both analytically sound and practically effective.

The success of this project wasn't just in identifying problems or creating recommendations. It was in helping an organization understand itself better and providing the confidence to make positive changes that benefit everyone involved.

*This analysis represents a comprehensive workforce equity assessment that demonstrates the power of data-driven decision making in addressing complex organizational challenges. All data has been anonymized while preserving analytical integrity and real-world applicability.*

Portfolio Note: This case study showcases expertise in HR analytics, strategic thinking, stakeholder management, and the ability to translate complex data into actionable business insights that drive positive organizational change.