

Relationship between Workspace Design and Administrative Effectiveness in Nigerian Organizations Empirical Review

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Abstract	<i>Journal of Policy and Development Studies (JPDS)</i>
<i>This research explores the factors influencing administrative efficacy within Nigerian institutions, specifically examining the connections among the organizational climate, data management protocols, and leadership style focused on inspiring change. A quantitative approach was adopted, employing a standardized survey distributed to 460 personnel and managers from diverse industries. Regression analysis was used to evaluate three central propositions. The results indicate significant positive correlations for all studied variables. Data management protocols exhibited the greatest explanatory capacity ($\beta = 0.955$, $p < 0.05$), accounting for 91.2% of the variability in organizational output. Leadership promoting change ($\beta = 0.929$, $p < 0.05$) and the organizational climate ($\beta = 0.627$, $p < 0.05$) were also considerably impactful. The study suggests that a comprehensive approach, incorporating a supportive physical setting, well-defined data management systems, and motivational leadership, is critical for improving administrative effectiveness and achieving superior institutional performance in Nigeria. Recommendations include strategic allocation of resources to ergonomic design, the establishment of formal data governance structures, and extensive leadership training programs to cultivate qualities associated with inspirational change. This investigation offers practical knowledge for decision-makers and organizational heads aiming to improve performance within a complex operational environment.</i>	Vol. 19 Issue 2 (2025) ISSN(p) 1597-9385 ISSN (e) 2814-1091 Home page: https://www.ajol.info/index.php/jpds ARTICLE INFO: Keywords: Keywords: Office environment, Workforce productivity, Management practice, Administrative effectiveness Received: 15th August 2025 Revised: 17th September 2025 Accepted: 1st October, 2025 DOI https://dx.doi.org/10.4314/jpds.v19i2.10

1. Introduction

The structure of the work environment is a crucial factor influencing administrative efficiency and overall organizational achievement. In Nigerian contexts, where operational performance is often hampered by infrastructural limitations and established management approaches, understanding the relationship between workplace design and administrative performance is essential. The office environment encompasses the physical workspace arrangement, ergonomic considerations, technological integration, and data management practices, all of which affect employee performance (Ojo & Olaniyan, 2020). Current research suggests that a well-organized work atmosphere enhances job satisfaction, reduces stress, and promotes collaboration, thereby improving organizational outcomes (Adeoye & Elegunde, 2022).

Employee performance is significantly affected by workplace conditions, including lighting, ventilation, and spatial arrangement. Research indicates that personnel in poorly designed workspaces experience increased levels of fatigue and reduced concentration, leading to inefficiencies (Aluko, 2021). Conversely, ergonomic office designs that prioritize comfort and functionality have been associated with higher work productivity and decreased absenteeism (Ekechukwu & Okeke, 2023). Furthermore, effective data management practices contribute to streamlined administrative processes, ensuring that critical information is readily accessible, thereby minimizing delays and errors (Okafor & Eze, 2021).

Leadership style also moderates the impact of workplace design on administrative effectiveness. Transformational leaders who support employee well-being and modern office infrastructure tend to foster a more productive workforce (Ibrahim Email: jakpagrace@gmail.com

& Ufua, 2022). Conversely, bureaucratic leadership styles that disregard environmental improvements may hinder innovation and efficiency. Organizational success is thus a result of multiple factors, including workplace design, managerial strategies, and operational policies (Ajala, 2023).

In Nigeria, where many entities continue to operate with outdated office structures, the need for strategic workplace redesign cannot be overemphasized. Studies indicate that enterprises investing in modern, adaptable workspaces report increased employee engagement and improved service delivery (Okorie & Adeyemo, 2023). However, challenges such as limited resources, resistance to change, and a lack of awareness impede the adoption of optimal workplace designs (Akinlabi et al., 2022). Overcoming these impediments requires a collaborative effort from organizational leaders, policymakers, and human resource managers.

This investigation examines the association between workplace design and administrative effectiveness within Nigerian organizations, drawing insights from contemporary scholarly literature. By analyzing elements such as office environment, data management, leadership influence, and employee performance, the investigation seeks to provide actionable recommendations for enhancing organizational achievement. Given the evolving nature of work dynamics, particularly with the increasing prevalence of hybrid work models, Nigerian organizations must prioritize workplace optimization to maintain competitiveness within a globalized economy (Okafor et al., 2023).

1.2 Objective of the Study

1. To examine the manner in which the workplace environment impacts employee productivity within Nigerian organizations. .
2. To explore the connection between records management practices and administrative effectiveness within Nigerian organizations.

To determine the moderating influence of :transformational leadership style on the workplace design and organizational performances.

1.3 Research Questions:

1. In what ways does the workplace environment influence employee productivity within Nigerian organizations?
2. What is the nature of the relationship between records management practices and administrative effectiveness within Nigerian organizations?
3. To what degree does transformational leadership style alter the effect of workplace design on organizational performance?

1.4 Hypotheses

H₁: There is no discernible relationship between the workplace environment and employee productivity in Nigerian organizations.

H₂: Records management practices have no considerable influence on records management practices and administrative effectiveness within Nigerian organizations.

H₃: Transformational leadership style does not substantially alter the association between workplace design and organizational performance in Nigerian organizations.

2. Review of Related Literature

Office Environment

The physical workspace has a substantial effect on workplace output, employee contentment, well-being, and overall health (Colenberg et al., 2021). Office structures represent a significant financial commitment for organizations (Appel-Meulenbroek, 2010) and serve as critical resources that support the requirements

of their occupants (Baldry & Barnes, 2012). These environments foster interaction, knowledge exchange, and collaborative creation; however, their design can either facilitate or impede these activities (Haynes, 2007). Therefore, the physical office environment should be viewed as a crucial strategic asset that needs to be appropriately functional and aligned with the needs of its users (Berthelsen et al., 2018; Danielsson & Bodin, 2009).

Various office layout models, including private offices, open-plan configurations, and adaptable designs, have been implemented to achieve distinct goals, such as boosting cooperation, fostering innovation, or achieving cost savings (Appel-Meulenbroek, 2010; Baldry & Barnes, 2012; Wilhoit et al., 2016). While private offices offer enhanced privacy and flexibility for focused work and communication, they may not be conducive to collaborative efforts (Parkin et al., 2011; Pinder et al., 2009). Open-plan offices (OP), characterized by shared workspaces, offer cost-effectiveness and adaptability for future organizational modifications (Berthelsen et al., 2018; Wilhoit et al., 2016). These configurations vary in size, ranging from smaller OP (4–9 individuals) to larger OP (24+ individuals) (Danielsson & Bodin, 2009). Designed to encourage interaction and collaboration, their inherent openness can also lead to challenges related to noise and privacy (Baldry & Barnes, 2012). Flexible office arrangements, such as Activity-Based Workplaces (ABW) and Combi-offices, present a range of spaces accommodating various activities and tasks, including areas for interaction, collaboration, and focused work (Cobaleda-Cordero et al., 2020; Nooij et al., 2023). These designs seek to enhance output, adapt to evolving needs, and achieve cost efficiencies through the shared use of space (Appel-Meulenbroek, 2010; Häne et al., 2020; Nooij et al., 2023).

The rise of open-plan and more adaptable office layouts has been driven by the demands for space optimization, cost reduction, and enhanced productivity, alongside a continuous trend towards increased collective work through heightened collaboration and interdisciplinary teamwork (e.g., Baldry & Barnes, 2012; Berthelsen et al., 2018; Macdonald et al., 2022; Nooij et al., 2023). The implementation of more open or flexible office designs has been a sustained discussion point within scholarly circles (Häne et al., 2020). Given their successful implementation in other industries, questions arise as to why academic institutions should differ (Berthelsen et al., 2018). Studies examining these designs in universities have revealed mixed outcomes, with opportunities for interaction sometimes conflicting with the necessity for focused concentration (e.g., Cobaleda-Cordero et al., 2020; Muhonen & Berthelsen, 2021).

Workplace Productivity

Scholarly investigations into the administrative effectiveness of workplace design remain limited (Wilhoit et al., 2016). Literature reviews conducted by Häne et al. (2020) and Nooij et al. (2023) have primarily centered on the adoption of activity-based working within higher education environments. Häne et al. (2020) identified factors driving and impeding new work approaches, suggesting that ABW may be appropriate for office environments. It can promote interaction, provide designated quiet areas for focused work, and offer flexibility to future changes. Nooij et al. (2023) developed a framework based on Lefebvre's spatial triad and found that the negative aspects of ABW are related to the perceived space,

and if employees are not supported in their practices, their lived space experiences pressure, potentially leading to reduced commitment to the workplace output and loss of professional identity.

Academic work is distinctly characterized by alternating needs for solitary work to facilitate analytical reflection and collaborative interaction with colleagues to foster idea development (Muhonen & Berthelsen, 2021; Van Sprang, 2012). This work is multifaceted, involving diverse activities such as teaching, research, student mentoring, and administrative duties (Macdonald et al., 2022). A study identified a key differentiating factor between academic work and conventional knowledge work as the constant shifts between work activities (Indergård & Hansen, 2024). This underscores the significance of workplace design and the importance of comprehending the specific activities and work processes within academia (Häne et al., 2020; Nooij et al., 2023; Toivanen et al., 2023).

The COVID-19 pandemic fundamentally altered work patterns globally, as meetings and work tasks transitioned online, facilitated by advanced technology (Widar et al., 2022). This resulted in greater work flexibility and autonomy; employees have been recognized as some of the most frequent teleworkers (Widar et al., 2022). Studies indicated that employees experienced diminished connectivity and productivity while working remotely, and boundaries between professional and personal life became blurred for many (Marzban et al., 2021). The primary driver for employees' desire to return to the physical office was the social aspects and face-to-face interactions with colleagues (Marzban et al., 2021). A survey conducted in the US revealed that workers desired greater space, reduced desk sharing, and amplified support for mobile and virtual work arrangements upon returning to the office (Gensler, 2020).

Employee Productivity

Employee productivity, a long-recognized concept in management (Palmer & Dean, 1973), has evolved into a multifaceted construct (Adeinat & Kassim, 2019). It is now linked to elements such as motivation, work-life balance, the work environment, internet accessibility, the service profit chain, and remuneration. Consequently, organizations are increasingly focused on strategies to enhance employee productivity (Burke & Hsieh, 2006; Yunus & Ernawati, 2018). Existing scholarship suggests a positive correlation between employee productivity and organizational performance; improved employee productivity is associated with superior organizational outcomes (Yunus & Ernawati, 2018; Iqbal et al., 2019).

Yunus and Ernawati (2018) define employee productivity as the capacity to generate goods and services in pursuit of organizational objectives. Similarly, Iqbal et al. (2019) characterize employee productivity as being related to interpersonal confidence; a deficit of trust between employees and employers may diminish employee productivity, thereby hindering organizational success.

Furthermore, employee productivity is influenced by a range of variables, with the work environment being particularly salient (Awan & Tahir, 2015; Al-Shammari, 2015). An employee's productivity reflects their level of efficiency, indicated by the duration required to complete a specific task. Productive employees typically execute tasks more efficiently and effectively within a given timeframe. Conversely,

unproductive employees require more time, leading to increased expenses. Finally, employee productivity is significantly shaped by employee commitment, satisfaction (Adeinat & Kassim, 2019), well-being (Sharma et al., 2016), and engagement (Lee et al., 2017).

Contemporary Workplaces

According to Vidhyaa and Ravichandran (2022), the contemporary workplace is a flexible work structure that integrates in-office, remote, and mobile employees, empowering them to operate where and when they achieve peak efficiency. The contemporary workplace prioritizes employees, promoting increased productivity and job satisfaction while addressing challenges related to remote work, such as social isolation and a sense of community. Employees in this model benefit from increased flexibility, working from home or any location conducive to productivity.

The workplace transcends the traditional office setting, encompassing employees working in co-working spaces and in the office (Cook et al., 2020). Team members may transition between various locations depending on their work requirements. For example, some employees work on-site, while others work remotely, and these groups could involve the same individuals alternating between locations. While many are satisfied with their remote arrangements, only about 43% feel engaged. Surveys indicate that 80% of human resources (HR) administrators and managers prefer the contemporary workplace, but 64.6% require support in implementing this framework effectively.

Record Management Practice

Records are indispensable to modern society, underpinning the operations of businesses, organizations, governments, institutions, and individuals. Effective records management encompasses the creation, classification, prioritization, storage, security, archiving, preservation, retrieval, tracking, and disposal of superfluous documentation (Blake, 2014). Iwhiwhu (2005) characterizes records management as a systematic application of established techniques for controlling information sources generated internally by an organization through its activities. It is a management discipline dedicated to the methodical oversight of a record's entire lifespan: creation, receipt, maintenance, utilization, and ultimate disposition. This includes capturing and preserving evidence and data related to business operations and transactions.

Maintaining meticulous records is critical for effective institutional management. They form the bedrock of organizational administration, enabling sound planning, service implementation, and the effective monitoring of work progress. Wamukoya (2005) stresses that for records to fulfill their role in accountability and good governance, their management must span their entire existence, from inception to final disposition. Millar (2012) notes that records, created during organizational functions, individual activities, and personal lives, are maintained to bolster business operations, accountability, and cultural understanding. These records provide evidence of the actions taken by their creators and the surrounding context, reinforcing both individual and collective memory, and illuminating the past's influence on the

present. While record-keeping is a widespread practice, specialized knowledge and practices distinguish records management as a distinct professional discipline.

The public sector generates diverse records requiring adequate storage and retrieval, including archival materials and statistics in both physical and digital formats. Thus, it is crucial to capture and preserve judicial records and information securely, safeguarding their integrity. Optimizing this process requires registry personnel to stay abreast of global technological advancements, possessing the computer literacy and skills necessary to manage public sector records throughout their life cycle. Implementing effective records management practices is fundamental to the efficient operation of any country's public sector.

Administrative Effectiveness

Effectiveness involves a shared understanding of goals and objectives, along with the collective capacity to achieve them. Organizational goals are realized when its components function in a coordinated manner. Resource management, personnel organization, data handling, knowledge dissemination, and timely goal attainment are also related to administrative effectiveness (Amah, Daminabo-Weje, & Dosunmu, 2013).

Administrative effectiveness pertains to work processes and represents the degree to which administrative objectives are met. Organizational effectiveness is attained through collaborative efforts aimed at achieving shared goals rooted in the organization's mission. It serves as a measure or predictor of an organization's success in fulfilling its stated objectives and mission. Ultimately, administrative effectiveness is a positive response to administrative initiatives and actions designed to accomplish predefined goals (Ademilua, 2012).

Transformational Leadership Styles

Leadership style, understood and applied variably, plays a vital role across diverse sectors like politics and business, impacting the success of any endeavor. Crucially, the specific leadership style employed significantly influences organizational outcomes. A leadership style embodies a blend of attributes and behaviors that leaders utilize in their interactions with subordinates. Effective leadership serves as a powerful catalyst for enhancing organizational performance, with the chosen leadership approach directly affecting how well an organization functions.

Research by Shahzad et al. (2022) indicates that transformational leadership positively and significantly enhances firm performance and is a strong predictor of innovative work behavior. Experienced leaders often prioritize this style, especially when making hiring and promotion decisions. While leadership roles, individual values, and capabilities are crucial for operational success and productivity, Cugno et al. (2021) emphasize the importance of interpersonal leadership, teamwork, and entrepreneurial skills. Furthermore, transformational leadership fosters organizational innovation, a key driver of firm performance. By encouraging creative thinking and challenging established norms, transformational leaders cultivate an environment where innovation can thrive. Jansen et al. (2006) provide empirical evidence of this

connection, demonstrating that transformational leadership contributes significantly to exploratory innovation, promoting a culture of risk-taking and a forward-thinking vision.

Research investigating transformational leadership and organizational performance in Malaysian public universities by Wahab et al. (2016) found a favorable, significant, and medium correlation. Danso et al. (2018) demonstrate that transformational leadership is more valuable for SMEs in China, underscoring its effectiveness compared to transactional leadership for organizational performance.

Studies conducted in various regions, including Pakistan and Malaysia, have found a significant link between transformational leadership and organizational success, with innovation acting as a mediator (Arif & Akram, 2018; Wahab et al., 2016). Research in China indicates that transformational leadership is particularly valuable for small and medium enterprises, as it is more effective than transactional leadership in driving organizational performance (Danso et al., 2018). Therefore, encouraging managers to adopt a transformational leadership style can foster a more creative and productive work environment.

Organizational Performance

In a globalized context, Morelos-Gómez et al. (2023) highlight the strategic importance of innovation for competitiveness. Ayinaddis (2023) explores the link between innovation and the performance of micro and small manufacturing enterprises, examining the impact of product, process, marketing, and organizational innovation. Kitenga et al. (2024) demonstrate that dynamic capabilities directly enhance performance, mediated by firm competence, particularly learning capability. Thanh Nhon et al. (2020) assert that developing learning capability through internal human resources programs and external alliances is essential for improving firm competence.

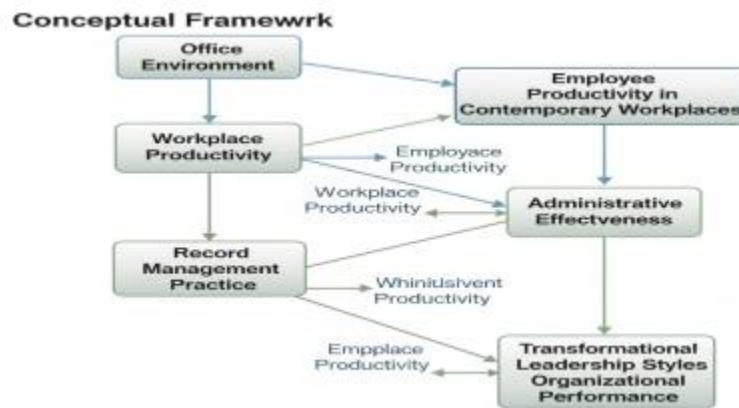
Jensen et al. (2020) confirm that transformational leadership positively influences firm performance indicators, including subordinate perceptions of leader effectiveness, leader performance, sales, and profitability. Prabhu & Srivastava (2023) suggest that a transformational leadership style in CEOs can provide a competitive advantage for manufacturing SMEs in leveraging an agile supply chain. The relationship between transformational leadership and firm performance is of significant interest. However, a gap remains in understanding the mediating roles of dynamic capabilities and organizational innovation. Despite evidence that transformational leadership fosters innovation and adaptability, the translation of these factors into tangible performance outcomes is not fully explored. Eisenhardt and Martin (2000) emphasize the importance of dynamic capabilities, but the role of leadership in their development requires further investigation.

There is a lack of consistency in the conceptualization and measurement of dynamic capabilities and organizational innovation in relation to transformational leadership. Therefore, a systematic literature review is necessary to synthesize existing research and critically examine how transformational leadership influences firm performance through dynamic capabilities and organizational innovation. Al Mulhim (2020) suggests that businesses must foster an environment conducive to tacit knowledge to address challenges related to creativity and effectiveness, ultimately enhancing organizational performance.

According to Debebe's (2020) research, a well-designed workplace can enhance performance by fostering employee dedication to the organization's values and principles. A strong organizational culture facilitates teamwork, decision-making, and communication, leading to high-level performance and highlighting the substantial impact of leadership styles on organizational performance.

A study conducted in Pakistan reveals the significant impact of transformational leadership on organizational performance through the mediating role of innovation. Arif & Akram (2018) highlight the substantial link between transformational leadership and organizational success, encouraging managers to cultivate this style and fostering an environment where leaders stimulate and encourage employees.

Figure 1: A framework developed to understand how the independent variables and dependent variables work.



Source: Created by the author.

Theoretical Framework

This investigation utilizes activity-based working (ABW) theory as its foundation. ABW, a framework for workplace design, proposes providing a diverse selection of work environments tailored to accommodate different activities and endeavors (Veldhoen, 1994). Though popularized by Dutch expert Erik Veldhoen's work, "The Demise of the Office," and further developed in "The Art of Working" (Veldhoen, 2004), its beginnings can be traced back to the early 1980s through the work of American designer Robert Luchetti. ABW acknowledges the evolving spatial requirements of employees, considering both differences between individuals and changes within an individual throughout the workday. Fundamentally, it emphasizes providing personnel with the option to select a workspace best suited to their current requirements. The implementation of ABW necessitates a detailed evaluation of organizational work processes, leading to the development of efficient spatial features that promote both employee well-being and enhanced performance. The objective is to create a varied collection of spaces

capable of supporting a wide range of requirements, from concentrated individual tasks to collaborative group initiatives.

However, ABW goes beyond simply creating spaces dedicated to specific, task-related actions. It also includes designing areas that cater to individuals' personal and professional necessities. This involves rethinking the purpose of conventional office elements, such as rest areas and kitchen facilities, to convert them into functional spaces. In essence, activity-based work design requires a complete examination of all facets of the office environment, striving to transform it into workspaces that facilitate numerous work styles and functions.

3. Methodology

Research Design

This study employed a quantitative methodology to investigate the association between workplace design and administrative effectiveness within Nigerian organisations. Utilizing a survey instrument, data were gathered from personnel and managerial staff across diverse industries to evaluate the impact of office environment, records management practices, transformational leadership style, employee productivity, and overall organisational performance on administrative effectiveness in the Nigerian context.

Population and Sampling

The target population of 200 consists of employees and administrative staff in Nigerian organizations across different industries (e.g., banking, education, healthcare, and government agencies). A **stratified random sampling technique** will be used to ensure representation from various sectors. The sample size of 150 will be determined using **Cochran's formula** for finite populations, ensuring statistical reliability.

Data Collection Methods

Structured Questionnaires – Designed using a **5-point Likert scale** to measure perceptions of workplace design (lighting, space, ergonomics), records management practices, leadership styles, and their impact on productivity, and workplace efficiency.

Variables and Measurement

- **Independent Variables:**
 - Office Environment
 - Records Management Practices
 - Transformational leadership Style
- **Dependent Variables:**
 - Employee Productivity
 - Organizational Performance (Non-financial)

Data Analysis Techniques

- **Inferential Statistics** (regression analysis) will test relationships between workplace design and administrative effectiveness.
- **Reliability Test** (Cronbach's Alpha) will ensure questionnaire consistency.
- **Hypothesis Testing** (ANOVA) will compare differences across sectors or leadership styles.

This methodology ensures a systematic investigation into how workplace design influences administrative effectiveness in Nigerian organizations, providing actionable insights for improved workplace policies.

Test of Hypotheses

Effects of Workplace Environment/Setting on Employee Performance/Staff Output

Hypothesis One

Ho: There is no significant relationship between workplace environment and employee performance in Nigerian organizations.

Hi: There is a significant relationship between workplace environment and employee performance in Nigerian organizations.

Model Summary^b

Model	R	R Square	Adjusted Square	RStd. Error of the Estimate	Durbin-Watson
1	.627 ^a	.393	.392	.03514	.143

a. Predictors: (Constant), Workplace Environment (Office Environment: Lighting, Space Layout, Noise Levels)

b. Dependent Variable: Employee Performance (Productivity: Effectiveness, Efficiency, Output, job Satisfaction)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	317.735	1	317.735	296.529	.000 ^b
	Residual	490.752	458	1.072		
	Total	808.487	459			

a. Dependent Variable: Employee Performance

b. Predictors: (Constant), Workplace Environment

Coefficients^a

	Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
		B	Std. Error	Beta		
1	(Constant)	.674	.080		8.416	.000
	Workplace Environment	.753	.044	.627	17.220	.000

a. Dependent Variable: Employee Performance

$$R = 0.627$$

$$R^2 = 0.393$$

$$F = 296.529$$

$$t = 17.220$$

$$DW = 0.143$$

Interpretation:

The regression sum of squares (317.735) is less than the residual sum of squares (490.752), which indicates that more of the variation in the dependent variable is not explained by the model. The significance value of the F statistics (0.000) is less than 0.05, which means that the variation explained by the model is not due to chance.

R, the correlation coefficient which has a value of 0.627, indicates that there is positive relationship between workplace environment and employee performance. R square, the coefficient of determination, shows that 0.393% of the variation in employee performance is explained by the model.

With the linear regression model, the error of estimate is low, with a value of about .03514. The Durbin Watson statistics of 0.143, which is not more than 2, indicates there is no autocorrelation.

The employee performance coefficient of 0.627 indicates a positive significance between workplace environment and employee performance, which is statistically significant (with $t = 17.220$). Therefore, the null hypothesis should be rejected and the alternative hypothesis accordingly accepted. Thus there is a significant positive relationship between workplace environment and employee performance in Nigerian organizations.

Hypothesis Two

Ho: There is no significant relationship between information governance procedure on records management practices and administrative effectiveness in Nigerian firms

Hi: There is a significant relationship between information governance procedures on records management practices and administrative effectiveness in Nigerian firms

Model Summary^b

Model	R	R Square	Adjusted Square	R Std. Error of the Estimate	Durbin-Watson
1	.955 ^a	.912	.912	.49380	.041

a. Predictors: (Constant), Information Governance Procedures

b. Dependent Variable: Organizational Performance

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
	Regression	1158.105	1	1158.105	4749.478	.000 ^b
1	Residual	111.678	458	.244		
	Total	1269.783	459			

a. Dependent Variable: Organizational Performance

b. Predictors: (Constant), Information Governance Procedures

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients		Sig.
		B	Std. Error	Beta	t	
	(Constant)	-.199	.040		5.019	.000
1	Information Governance Procedures	1.135	.016	.955	68.916	.000

Dependent Variable: Organizational Performance

R = 0.955

R² = 0.912

F = 4749.478

t = 68.916

DW = 0.041

Interpretation:

The regression sum of squares (1158.105) is greater than the residual sum of squares (121.187), which indicates that more of the variation in the dependent variable is explained by the model. The significance value of the F statistics (0.000) is less than 0.05, which means that the variation explained by the model is not due to chance.

R, the correlation coefficient which has a value of 0.955, indicates that there is positive relationship between information governance procedures and organizational performance. R square, the coefficient of determination, shows that 0.912% of the variation in organizational performance is explained by the model.

With the linear regression model, the error of estimate is low, with a value of about .51439. The Durbin Watson statistics of 0.041, which is not more than 2, indicates there is no autocorrelation.

The information governance procedures coefficient of 0.955 indicates a positive significance between information governance procedures and organizational performance, which is statistically significant (with $t = 68.916$). Therefore, the null hypothesis should be rejected and the alternative hypothesis accordingly accepted. Thus there is a significant positive relationship between information governance procedures and organizational performance in Nigerian firms.

Hypothesis Three

Ho: There is no significant positive relationship between transformational leadership style and organizational performance in the Nigerian firms under study.

Hi: There is a significant positive relationship between transformational leadership style and organizational performance in the Nigerian firms under study.

Model Summary^b

Model	R	R Square	Adjusted Square	R Std. Error of the Estimate	Durbin-Watson
1	.929 ^a	.863	.862	.54969	.063

a. Predictors: (Constant), Transformational Leadership Style

b. Dependent Variable: Organizational Performance

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	866.822	2	433.411	1434.354	.000 ^b
	Residual	138.089	457	.302		
	Total	1004.911	459			

a. Dependent Variable: Organizational Performance

b. Predictors: (Constant), Transformational Leadership Style

Coefficients^a

Model		Unstandardized Coefficients		Standardized t Coefficients		Sig.
		B	Std. Error	Beta		
1	(Constant)	-.788	.082		-9.643	.000
	Transformational Leadership Style	.904	.052	.621	17.275	.000
		.337	.036	.335	9.304	.000

a. Dependent Variable: Organizational Performance

R = 0.929

R² = 0.863

F = 1434.354

T = (17.275; 9.304)

DW = 0.063

Interpretation:

The regression sum of squares (866.822) is greater than the residual sum of squares (138.089), which indicates that more of the variation in the dependent variable is explained by the model. The significance value of the F statistics (0.000) is less than 0.05, which means that the variation explained by the model is not due to chance.

R, the correlation coefficient which has a value of 0.929, indicates that there is positive relationship between transformational leadership style and organizational performance. R square, the coefficient of determination, shows that 0.863% of the variation in organizational performance is explained by the model.

With the linear regression model, the error of estimate is low, with a value of about .55300. The Durbin Watson statistics of 0.063, which is not more than 2, indicates there is no autocorrelation.

The transformational leadership style coefficient of 0.929 indicates a positive significance between transformational leadership style and organizational performance, which is statistically significant (with $t = 17.275$; 9.304). Therefore, the null hypothesis should be rejected and the alternative hypothesis accordingly accepted. Thus there is a significant positive relationship between transformational leadership style and organizational performance in the Nigerian firms under study.

Discussion of Findings

The investigation into the proposed hypotheses unveils a compelling narrative regarding the primary influences on performance within Nigerian organizations. The outcomes consistently illustrate that the work setting, data administration, and leadership approach are not merely operative considerations but are fundamental, statistically significant determinants of both individual and institutional efficacy.

Initially, Hypothesis 1 corroborated a noteworthy positive correlation between the work setting and individual performance ($R=0.627$, $p<0.05$). This outcome aligns with established organizational behavior theories, such as Herzberg's Two-Factor Theory, which asserts that contextual elements (hygiene factors) are vital for averting individual discontent and establishing a groundwork for productivity. The disparity between the residual sum of squares and the regression sum of squares suggests that while the work setting is a critical factor, a considerable portion (over 60%) of what influences individual performance is attributed to other variables not encompassed in this model. This emphasizes the intricacy of human performance, alluding to the impact of factors such as intrinsic drive, remuneration, and career progression prospects.

Subsequently, the results for Hypothesis 2 were particularly pronounced, demonstrating an exceptionally strong positive correlation between data administration protocols and institutional performance ($R=0.955$, $p<0.05$). With an R-squared value of 0.912, the model elucidates over 91% of the variance in institutional performance, a remarkably high proportion. This indicates that within the context of Nigerian organizations, robust record keeping and data administration are not merely supportive functions but are pivotal to administrative effectiveness and overall achievement. This outcome strongly supports the Resource-Based View (RBV) of the firm, where data, when administered effectively, becomes a valuable, scarce, and inimitable strategic asset that confers a significant competitive advantage.

Finally, Hypothesis 3 also revealed a very strong positive correlation between transformational leadership style and institutional performance ($R=0.929$, $p<0.05$). This result is consistent with the extensive body of leadership literature that advocates transformational leadership—which inspires, motivates, and intellectually stimulates individuals—as a key driver of superior institutional results. Leaders who articulate a compelling vision, promote innovation, and focus on developing their personnel appear to be directly catalyzing performance within the Nigerian context. This outcome reinforces the notion that leadership is a critical catalyst that translates organizational assets and frameworks (such as a beneficial setting and robust data systems) into tangible outcomes.

Conclusion

In conclusion, this study provides compelling empirical substantiation that to augment performance, Nigerian organizations must embrace a holistic strategy that addresses fundamental, structural, and human leadership components simultaneously.

The fundamental component is a favorable work setting, which lays the foundation for individual productivity and well-being.

The structural component is effective data administration, which functions as the central nervous system of the organization, ensuring efficiency, compliance, and data-driven decision-making that significantly enhances administrative effectiveness.

The human catalyst is transformational leadership, which energizes the workforce, aligns them with the institutional vision, and unlocks their potential to achieve exceptional results.

The synergy between these three elements is likely the true key to performance. A transformational leader is needed to champion a positive culture and implement strong data administration systems. Conversely, even the most inspiring leader will be hindered by a detrimental environment or dysfunctional data flows. Therefore, the most significant conclusion is that these factors are interdependent and collectively form the cornerstone of organizational excellence in Nigeria.

Recommendations

Based on the Findings the following are the Recommendations:

1. **Cultivate Positive Work Environments:** Given the established correlation between the work setting and individual performance, organizations should prioritize initiatives that foster a positive and supportive work environment. This may involve improvements to physical infrastructure, promotion of healthy work-life balance, and the creation of a culture that values employee well-being.
2. **Strengthen Data Management Practices:** Considering the pivotal role of data administration in institutional performance, organizations should invest in developing and implementing robust data management protocols. This includes establishing standardized record-keeping procedures, implementing data governance frameworks, and providing training to employees on effective data management practices.
3. **Promote Transformational Leadership:** Recognizing the significant impact of leadership style on institutional performance, organizations should cultivate transformational leadership capabilities among their leaders. This can be achieved through leadership development programs that focus on inspiring vision, motivating employees, fostering innovation, and developing personnel.

4. Integrate Performance Factors: Acknowledge and account for the myriad of factors influencing individual performance. While the work setting is critical, aspects such as intrinsic drive, compensation structures, and opportunities for career development significantly impact overall output. By focusing on these elements, organizations can make their employees feel more aligned with the organization's goals and vision.

Further Research: It is recommended that future research:

Investigate the "other factors" that explicate individual performance beyond the work setting.

Conduct a qualitative study to explore the specific mechanisms through which data administration protocols lead to improvements in administrative effectiveness.

Examine the interaction between these three variables to develop an integrated model of institutional performance for the Nigerian business sphere.

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