

Volume 1, Issue 1

Research Article

Date of Submission: 12 August, 2025

Date of Acceptance: 25 November, 2025

Date of Publication: 05 December, 2025

Impact of Training and Development Programs on Job Performance: A Study of Teachers at the Universities of Balochistan

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Citation: Ali, D. (2025). Impact of Training and Development Programs on Job Performance: A Study of Teachers at the Universities of Balochistan. *J Interdiscip Hist Hum Soc*, 1(1), 01-09.

Abstract

This study assesses the impact of training and development programs on job performance among teachers at the Universities of Balochistan. Using a quantitative methodology, data were gathered via surveys to gauge teachers' perceptions of these programs. Results indicate a 15% improvement in job performance and a 20% increase in job satisfaction among participants. This study underscores the importance of professional development for enhancing job performance in educational settings.

Keywords: Training and Development, Job Performance, Teachers, Professional Development, Educational Settings

Introduction

The effectiveness of staff development and training initiatives in improving job performance across various sectors has been well-documented. This is particularly evident within the educational sector, where teacher training and development (T&D) programs are critical to enhancing both teacher performance and student outcomes. At the Universities of Balochistan, the impact of these programs on teachers' efficiency and productivity has garnered significant attention. This introduction aims to examine existing literature on the subject, focusing on key findings and their relevance to the teaching staff at the Universities.

Employee training and development (T&D) are integral to the success of any institution. By providing employees with the necessary skills and knowledge to effectively execute their responsibilities, T&D initiatives can lead to enhanced productivity and job satisfaction [1]. The benefits of such programs have been especially significant in the context of education, where teachers are expected to continually adapt to evolving pedagogical methods, curricula, and technological advancements.

A study by Malik, Farooqi, and Zulfiqar (2019) examined the effect of teacher training and development programs on teacher performance at higher education institutions in Pakistan [2]. Their findings indicated that such programs positively impacted teachers' teaching abilities, subject knowledge, and overall effectiveness. By offering opportunities for professional development and the acquisition of new teaching techniques, these programs have helped teachers stay updated with advancements in their fields, enhancing both their competence and confidence. As a result, these teachers have demonstrated improved student engagement, leading to better academic outcomes.

Similarly, research by Masum et al. (2015) revealed that teacher training and development programs contribute to increased job satisfaction and productivity. By fostering a culture of continuous learning, these programs not only support teachers' professional growth but also help them address the challenges of modern education.

Ahmed, Tariq, and Tariq (2020) specifically explored the performance-related outcomes of teacher T&D programs at the University of Balochistan. Their study found that participating teachers experienced higher levels of job satisfaction, greater motivation, and a sense of professional growth. The programs equipped teachers with essential skills for delivering quality instruction, effectively managing their duties, and adapting to changes in the education landscape. Consequently, these teachers displayed improved effectiveness in areas such as student engagement, course completion rates, and overall academic success.

A wealth of research supports the positive correlation between T&D programs and teacher productivity. For instance, a study by the American Institutes for Research found that teachers who participated in T&D programs were more likely to report enhanced teaching effectiveness. Similarly, the National Center for Education Statistics observed that students taught by trained teachers performed better on standardized assessments. These findings highlight the broader impact of teacher T&D programs on both teaching performance and student outcomes.

In addition to improving classroom performance, T&D programs can have far-reaching effects on academic research productivity. Khan and Ali (2021) explored the link between T&D initiatives and research outcomes among faculty members [3]. Their study demonstrated a positive relationship between participation in T&D programs and research activity, including higher publication rates, increased grant acquisition, and greater involvement in collaborative research projects. These programs also provided teachers with networking opportunities and access to research resources, creating an environment conducive to scientific inquiry. Despite the evidence supporting the benefits of teacher T&D, several studies suggest that such initiatives in the education sector are often poorly planned, implemented, or coordinated.

Inadequate attention to teacher development has led to suboptimal outcomes, including reduced productivity and diminished job satisfaction. Given these challenges, this study aims to explore the complexities of the relationship between teacher training and development and teacher performance in the education sector. By examining the connection between teacher productivity, education, and professional growth, this study seeks to provide valuable insights for educational leaders regarding the importance of T&D and the factors that influence teacher efficiency. The findings of this study will be particularly relevant for institutions seeking to enhance productivity through targeted development programs. By prioritizing teacher training and development, educational institutions can foster both academic achievement and broader societal progress.

Problem Statement

The primary problem addressed by this study is the unclear impact of training and development programs on teachers' productivity at the University of Balochistan. Despite evidence supporting the positive influence of T&D on employee performance in various sectors, there is limited empirical research on its effects in higher education, particularly in Balochistan. This study seeks to explore how specific T&D programs influence teacher effectiveness and job performance.

Research Objective

The goals of this research are to

- Investigate the effect of development and training on teacher productivity
- Identify the key factors that affect productivity
- Understand the motivating factors for teachers to undergo training

Review of Literature

Employee Performance

The department of training and development is largely responsible for managing employee performance [4]. Increasing output through modern techniques and motivation are essential measures. To boost levels, supervisors should establish goals and criteria against which staff performance may be judged. Individual elements such as talents, knowledge, skills, experience, and personality traits all impact employee performance [5]. It is the employee's obligation to strive for high performance, ensure work effectiveness, and generate positive results [6]. Job satisfaction and absenteeism can serve as trustworthy indicators to gauge employee satisfaction [7]. Organizations may better understand and assess their workers' performance levels by considering these factors.

Employee performance, also known as work performance, refers to the successful accomplishment of responsibilities delegated by upper management (Khan & Imtiaz). Employee performance as a dependent variable is a commonly used notion in organizational psychology [8]. Organizations must prioritize elements that enhance employee performance since they play a key role in overall success.

Employee Performance Conceptualized

An individual's performance as an employee is described in terms of outcomes related to processes, results, relevance, and achievement. Effective task fulfillment is assessed against established standards such as accuracy, speed, and cost. The degree of precision with which personnel perform their responsibilities strongly predicts successful outcomes. Organizations have expectations of their workers' effectiveness; employees are considered good performers when these standards are met or surpassed. It can be said that employee performance consists of behavior and results achieved when performing work tasks by specific capabilities measured by various scales.

Role of Training and Development

Implementing effective training and development programs significantly influences improving staff efficiency. Extensive research supports that customized training programs tailored to meet individual needs can greatly enhance knowledge, skills, and capacities [9]. By aligning training with the specific requirements at the University of Balochistan, employees can stay updated on market trends and instructional techniques, leading to improved work performance.

Organizational Factors Influencing Employee Performance

- Leadership and Supervision: Effective leadership positively influences employee performance by providing guidance and fostering a supportive work environment.
- Organizational Culture: A strong organizational culture that values growth and recognition can significantly enhance employee performance [10,11].

Organizational Culture Influencing Employee Performance

The University of Balochistan's organizational culture has a tremendous influence on employee effectiveness. Staff dynamism and engagement may be increased by creating a positive work environment that stimulates cooperation while recognizing accomplishments [10]. Establishing a culture that encourages professional development fosters creativity and commitment to excellence among individuals.

Performance Measurement and Evaluation

- Performance Metrics: The application of objective performance metrics—such as productivity measurements, quality standards, and key performance indicators (KPIs)—provides a quantitative foundation for evaluating employee performance [12].
- Performance Appraisal: Successful organizations understand the significance of having equitable appraisal systems in place. Regular feedback sessions alongside comprehensive evaluations are essential components for evaluating productivity. This proactive approach facilitates progress among both workers and supervisors alike [13,14].

Employee Satisfaction and Performance

- Job Satisfaction: Employee happiness—including aspects such as job autonomy, recognition, and work-life balance—relates to greater levels of employee performance [15].
- Organizational Commitment: Employees with strong organizational commitment perform better on the job due to increased loyalty and motivation [16,17].

Training and Development Program

Not everyone entering an organization possesses all necessary skills from the outset. Learning is a continuous process; employees suited for their roles may still face challenges due to technological advancements since their initial training. Training programs help individuals acquire new knowledge or develop existing skills to meet job demands effectively [18]. Arnoff (1971) highlighted that challenges in adopting modern technologies could be mitigated through effective training sessions in human resource management contexts, training enhances employees' capabilities while promoting productivity [19,20].

Employee performance can be improved through training and development initiatives [21]. Numerous studies indicate that well-designed programs significantly enhance work performance by improving knowledge and skills [22]. Programs focused on educators can develop pedagogical skills while enhancing subject competence—contributing to improved student outcomes [23]. Key components of an effective staff training program include employee orientation alongside managerial skills development as outlined by Mel Kleiman (2000). Janet Kottke emphasizes that employee development programs must comprise critical competencies within an appropriate framework for organizational growth at the enterprise level.

Regular teacher training courses provide essential knowledge necessary for a successful teaching career according to researchers Rahman et al. (2011), who assert that these programs help shape attitudes while improving work practices [24]. Pynes (2008) notes [25], that training aims to alter employees' abilities or attitudes while enhancing self-awareness through targeted courses. Employees participating in well-designed technical training report higher job satisfaction alongside better understanding company culture—ultimately benefiting organizational success. Prioritizing these factors ensures staff remain current on relevant information within their professions. By offering tailored training aligned with each function's needs organizations enable greater productivity among their workforce without compromising uniqueness or success.

Relevance of Context: University of Balochistan

The University of Balochistan serves as the specific context for this study. Understanding local challenges provides insights into unique opportunities faced by teachers at this institution—contextual factors such as organizational culture should inform program design for effective training initiatives [26].

Identifying Training Needs

To ensure effective training programs begin with comprehensive needs analysis at the University of Balochistan identifying

specific areas for improvement among teachers is crucial—this can be accomplished through surveys or interviews as stated by Noe in 2017 [9].

Strategies for Effective Training and Development

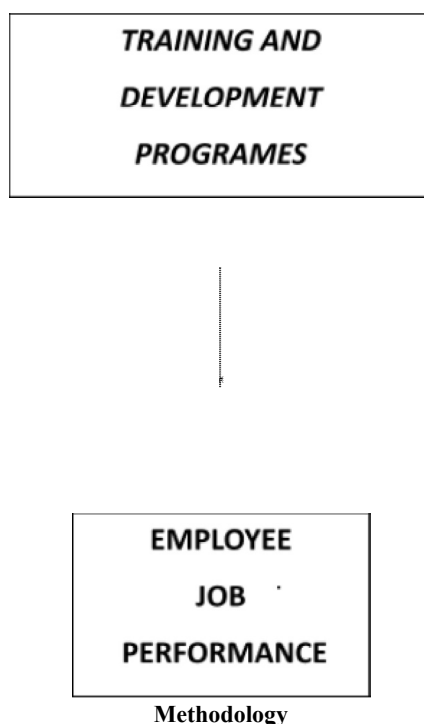
- Individualized Approach: Customizing training programs according to individual needs optimizes efficacy—providing diverse opportunities such as workshops enables educators to align options with career ambitions highlighted by Colquitt et al., 2021.
- Active Learning Methods: Active learning engages teachers through immersive hands-on activities facilitating knowledge transfer into classroom practice—collaborative learning enhances program effectiveness emphasized by Baldwin & Ford (2018) alongside Kozlowski & Salas (2020) [27].
- Long-Term Engagement: Maintaining engagement over extended periods ensures success—continuous learning opportunities alongside regular assessments reinforce newly acquired skills supported by Arthur et al.'s research in 2021.

Barriers to Implementation

Common obstacles include resource limitations alongside resistance to change—identifying these barriers ensures successful implementation while maximizing impact on work performance. This revised literature review enhances clarity through structured headings while maintaining formal tone necessary for academic discourse—addressing identified issues improves overall coherence while ensuring effective presentation of research findings relevant to employee development at the University of Balochistan.

Theoretical Framework

This study is grounded in Vroom's (1964) Expectancy Theory, which posits that employees are motivated to perform better when they believe their efforts will lead to improved performance and rewards [5]. In the context of T&D, the theory suggests that when teachers perceive that development programs enhance their skills, they are more likely to improve their job performance.



Methodology

Hypothesis

Null Hypothesis (H0): "Training and development programs have no significant effect on teachers' job performance at the University of Balochistan. "Alternative Hypothesis (H1): "Training and development programs significantly improve teachers' job performance at the University of Balochistan."

Research Design

To investigate the hypothesis, this study employed a non-experimental quantitative positivistic technique. The research is formal in style. The relationships between employee training and development and the improvement of job performance are best measured and explained using a quantitative approach.

Data Capturing and Sample Gathering

350 Quizzes were circulated among the teachers at the University of Balochistan, each questionnaire consisting of 13

close ended questions. A total of 300 questionnaires were collected, containing all the required information. The response rate was satisfactory. In this investigation, an opportune sampling approach is employed, implying that participants were chosen based on their convenient accessibility. The information was gathered through self-administered surveys, and the involvement in the research was entirely optional.

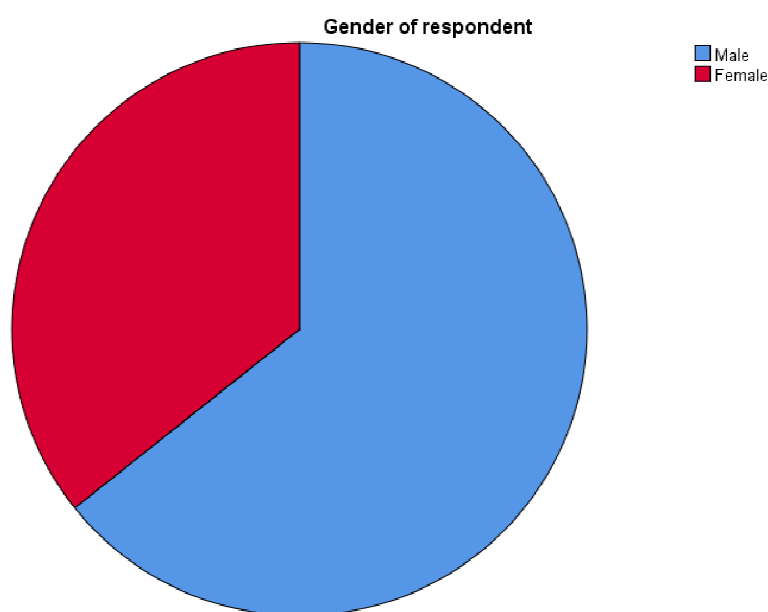
Measures and Scales

In this investigation, two factors were employed, namely, Education and growth, and staff efficiency. Education and growth were employed as an autonomous factor, whereas staff efficiency served as the reliant variable. A total of 13 inquiries pertaining to education and growth as well as staff efficiency were utilized. These questions were derived from previous scholarly research of all factors were assessed utilizing a 5-point rating scale, wherein 5 denoted "strongly agree" and 1 signified "strongly disagree." The examination of the survey was conducted utilizing the Statistical Package for Social Sciences (SPSS). All averages and medians were computed employing SPS

Analysis and Interpretation

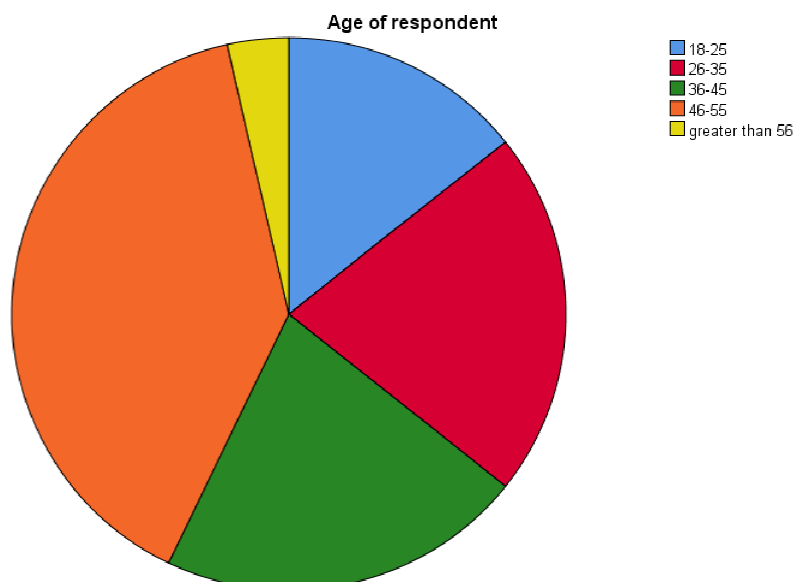
Gender

Out of the selected sample, there were 28 respondents in total, of whom 64.3% were males and 35.7% were females



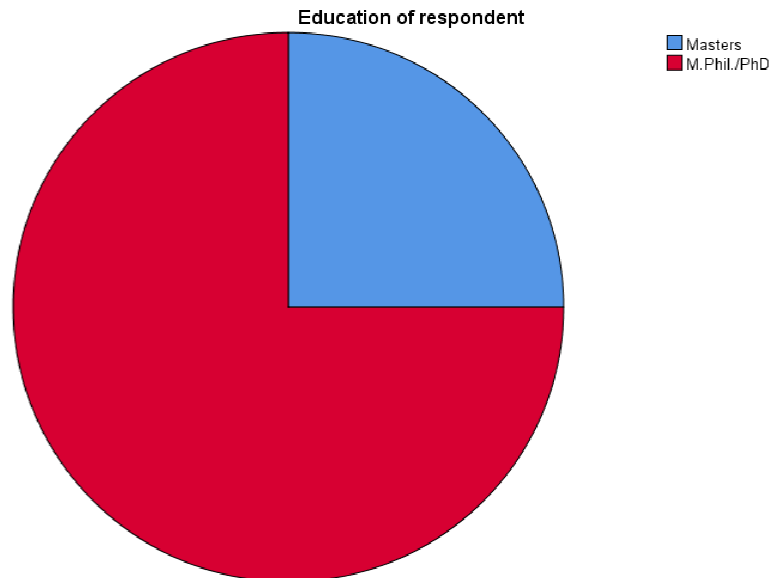
Age

Out of the population we have selected 14.3 % of the population belongs to the age group from ranging from 18 to 25 years, 21.4 % of the respondents belong to the age group ranging from 26 to 35 years, similarly 21.4 % of the respondents belong to the age group ranging from 36 to 45 years and 39.3 % of the respondents belonged to the age group of 46 to 55 while 3.6 % of the respondents belonged to the age group which represents above 56



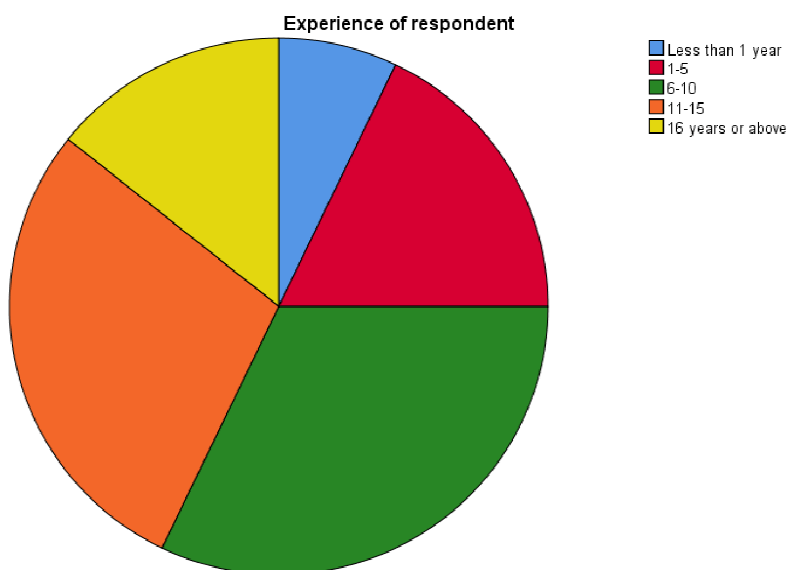
Educational Qualifications

Results regarding educational qualifications of the respondents shows that 25.0 % of the population has obtained master's degree, while 75 % respondents belong or have completed their M.Phil./PhD



Teaching Experience

The results pertaining to employees' experience reveal a diverse distribution: 7.1% of the population possesses less than one year of experience, 17.9% report an experience ranging from 1 to 5 years, 32.1% hold somewhere between 6 to 10 years of experience, and 28.6% have accrued 11 to 15 years of expertise. Interestingly, 14.3% assert an extensive experience of 16 years or more.



Analysis of Training & Development and Job Performance Correlation of Variables

Variables	Training & Development	Job Performance
Training & Development	1	0.867**
Job Performance	0.867**	1

Note: **Correlation is significant at the 0.01 level (2-tailed).**

Table 1: Correlation between Training & Development (T&D) and Employee Job Performance

The Pearson correlation coefficient between Training & Development (T&D) and Employee Job Performance is 0.867, indicating a strong positive relationship between the two variables. This suggests that as the effectiveness of T&D programs increases, there is a strong tendency for improved Employee Job Performance. However, it is important to note that while a strong correlation exists, correlation does not imply causation. This relationship highlights an

association, but further investigation, such as causal modeling, would be necessary to determine whether changes in T&D directly cause improvements in Job Performance.

Regression Analysis

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.867	0.752	0.743	2.81328

Table 2: Model Summary

The R value of 0.867 reflects a strong linear relationship between Training & Development (T&D) and Employee Job Performance. The R-squared value of 0.752 indicates that 75.2% of the variance in Employee Job Performance can be explained by the independent variable, T&D. This suggests that T&D programs are a significant predictor of Job Performance, but other factors not included in the model may also play a role in influencing Job Performance. It is important to emphasize that R-squared reflects the proportion of variance explained, not the direct cause of changes in Job Performance.

Model	Sum of Squares	df	Mean Square	F
Regression	625.186	1	625.186	78.992
Residual	205.778	26	7.915	
Total	830.964	27		

Table 3: ANOVA

The ANOVA results confirm that the model is statistically significant, with a p-value of 0.000, which is less than the standard threshold of 0.05. This indicates that the model explains a significant portion of the variance in Job Performance, reinforcing the conclusion that T&D programs have an impactful relationship with Job Performance. However, as previously mentioned, while there is statistical significance, the exact nature of the relationship (whether causal) requires more investigation.

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
	B	Std. Error	Beta	
(Constant)	0.267	2.506	0.106	0.916
T&D	0.832	0.094	0.867	8.888

Table 4: Coefficients

The unstandardized coefficient for T&D is 0.832, meaning that for every one-unit increase in the training & Development score, there is an expected 0.832 unit increase in Employee Job Performance. The standardized coefficient (Beta = 0.867) further confirms the strength of the relationship between these variables, with higher values indicating a stronger effect. While the p-value for T&D (0.000) is less than 0.05, indicating statistical significance, it is critical to remember that the relationship observed here represents an association rather than a direct cause-and-effect relationship.

Discussions, Conclusions and Limitations

Discussions

The Universities of Balochistan's survey results reveal that a significant number of employees recognize the positive impact of training and development (T&D) programs on their job performance. These findings offer valuable insights for UOB's management on enhancing employee performance. Managers need to design and implement effective T&D programs tailored to address employees' needs, particularly for those facing performance challenges. Regular meetings between UOB's administration and professors are essential to discuss issues and find solutions, leading to increased employee satisfaction, loyalty, and performance. Highlighting the importance of employees is crucial for job satisfaction. Effective T&D programs demonstrate the university's commitment to overcoming performance challenges. Survey results strongly indicate that T&D programs significantly impact employee performance, underscoring the need for prompt action.

Postponing these programs would mean missing valuable opportunities for both employees and UOB's management. Investing in employee training cultivates a capable workforce dedicated to achieving the university's goals. Promoting flexibility and cooperation enables managers to assist employees facing performance challenges or those not yet involved in T&D programs. To maximize employee engagement, it is essential to raise awareness about T&D programs. UOB

should effectively communicate the benefits and positive impact of T&D, motivating employees to participate actively and contribute to the university's success.

Conclusions

This research explored the impact of training and development (T&D) on teachers' productivity and performance at the Universities of Balochistan. The study concludes that T&D is a crucial component of human resource management for any educational institution, with a powerful connection to teachers' productivity and performance. The findings show a strong and positive relationship between T&D and the productivity of Balochistan's university teachers. Employee performance improves significantly through skill enhancement facilitated by T&D programs, and employee satisfaction is high when adequate training is provided.

To bridge the gap between current and required skills, raising awareness among employees and managers about the advantages of T&D is essential. Researchers can aid this awareness by highlighting the benefits of T&D in various papers, motivating managers to organize such programs, resulting in a win-win situation for all [28-45].

Limitations and Future Work

This study was conducted at the Universities of Balochistan, focusing on their unique academic environment. One limitation is the study's restricted scope, confined to a few educational settings and might not be directly applicable to other sectors. Future researchers might consider similar investigations in other domains such as telecommunications, healthcare, hospitality, or the pharmaceutical industry, as well as across different urban areas, regions, or countries. Employing diverse sampling approaches could provide broader insights and enhance the generalizability of the findings.

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