

Identifying the Conditions, Consequences, and Strategies for Enhancing Leaders' Cultural Intelligence

Gholamreza Sarvari¹, Saeed Razeghi^{2,*} and Hamid Mahmoudian³



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¹ PhD Student, Department of Management, Fars Science and Research Branch, Islamic Azad University, Fars, Iran; 

² Assistant Professor, Department of Management, Shiraz Branch, Islamic Azad University, Shiraz, Iran; 

² Assistant Professor, Department of Management, Shiraz Branch, Islamic Azad University, Shiraz, Iran; 

* Correspondence: razeghi.saeed@yahoo.com

Abstract: This study aims to identify the conditions, consequences, and strategies for enhancing leaders' cultural intelligence, emphasizing the role of continuous training and cultural development in fostering leadership effectiveness and organizational success. A qualitative research approach was employed, utilizing semi-structured interviews with 20 faculty members and management experts from Khuzestan province. Participants were selected through purposive and snowball sampling techniques to ensure expertise in cultural intelligence and leadership. Data were collected through in-depth interviews, and analysis was conducted using a grounded theory approach, involving open, axial, and selective coding to identify key themes and relationships among cultural intelligence strategies, conditions, and outcomes. The analysis revealed two primary strategies for enhancing leaders' cultural intelligence: Continuous Training and Cultural Development. Continuous Training encompasses coaching-based learning, interactive and online education, leadership development, and skill acquisition, while Cultural Development includes trust-building, incentives, promotional efforts, hierarchical cultural orientation, and environmental groundwork. The study also identified two major organizational outcomes associated with the implementation of these strategies: Organizational Performance—measured through financial, customer, operational, and learning-based criteria—and Organizational Structure, which includes dimensions such as complexity, formality, and centralization. The findings suggest that structured training programs and organizational cultural initiatives play a crucial role in fostering leaders' cultural intelligence, leading to improved leadership effectiveness, organizational performance, and adaptability. The study underscores the need for organizations to integrate comprehensive CQ training, digital learning tools, and inclusive workplace policies to strengthen cultural intelligence within leadership. By embedding CQ into leadership development frameworks, organizations can enhance cross-cultural collaboration, strategic decision-making, and long-term performance in an increasingly globalized environment.

Keywords: Cultural Intelligence, Leadership Development, Organizational Performance, Continuous Training, Cultural Development, Cross-Cultural Management, Organizational Culture, Strategic Leadership.

1. Introduction

In an increasingly globalized world, organizations are becoming more culturally diverse, requiring leaders to develop skills that allow them to navigate and manage cross-cultural interactions effectively. Cultural intelligence (CQ) has emerged as a critical competency for leaders operating in multicultural environments, as it enables them to adapt to different cultural contexts, communicate effectively, and manage culturally diverse teams [1]. Cultural intelligence is conceptualized as an individual's capability to function effectively in culturally diverse settings (Crowne, 2008). It extends beyond cognitive knowledge of different cultures and includes behavioral and motivational dimensions that enable individuals to respond appropriately in cross-cultural interactions. Leaders with high CQ demonstrate greater adaptability, open-mindedness, and sensitivity to cultural nuances, which enhances their ability to manage diverse teams and foster inclusive work environments [2, 3]. As globalization and

digital transformation continue to reshape organizational landscapes, the need for leaders with high CQ is more pronounced than ever [2, 4]. Organizations that fail to develop cultural intelligence within their leadership ranks risk encountering misunderstandings, decreased employee engagement, and inefficiencies in international operations.

The importance of cultural intelligence in leadership is further emphasized by research on transformational leadership, which suggests that leaders who possess high levels of CQ are more effective in inspiring and motivating employees across cultural boundaries [5]. Transformational leaders with strong cultural intelligence foster innovation, trust, and collaboration within diverse teams by demonstrating cultural awareness and adapting their leadership styles to meet the needs of different cultural groups [6]. Moreover, cultural intelligence plays a mediating role in leadership effectiveness, influencing decision-making processes, conflict resolution, and overall organizational success [7]. By understanding cultural differences and adjusting their behaviors accordingly, culturally intelligent leaders enhance team performance and contribute to the overall strategic objectives of their organizations.

Research has also highlighted the relationship between cultural intelligence and organizational culture. Organizational culture, defined as the shared values, norms, and practices within an organization, shapes employees' behaviors and interactions [8]. Leaders with high CQ are better equipped to manage and influence organizational culture, ensuring that it remains inclusive and adaptable to cultural diversity [9]. The role of digital transformation in shaping organizational culture further underscores the importance of cultural intelligence, as digital leadership requires the ability to integrate technological advancements while maintaining cultural cohesion within an organization [10]. Studies have shown that leaders who exhibit high CQ are more effective in managing change and fostering an innovative organizational culture that supports digital transformation [11].

In addition to its impact on leadership and organizational culture, cultural intelligence is closely linked to ethical leadership and moral intelligence. Leaders with high CQ demonstrate ethical decision-making skills and exhibit behaviors that align with principles of fairness, inclusivity, and social responsibility [12]. By understanding and respecting cultural differences, these leaders create work environments that promote ethical leadership and reduce instances of bias and discrimination. The interplay between moral intelligence and CQ is particularly relevant in multinational organizations, where leaders must balance diverse cultural values while maintaining ethical standards in decision-making processes [13]. The integration of ethical considerations into leadership practices enhances trust, employee engagement, and organizational performance, further highlighting the significance of cultural intelligence in leadership.

The role of CQ in fostering organizational performance has also been widely documented in the literature. Organizations that prioritize cultural intelligence within their leadership teams experience improved financial performance, enhanced customer satisfaction, and increased operational efficiency [4]. Leaders with high CQ are more adept at understanding and responding to the needs of diverse stakeholders, enabling organizations to maintain competitive advantages in global markets [14]. Additionally, research has demonstrated that cultural intelligence influences job satisfaction and organizational commitment, as employees are more likely to feel valued and included in organizations that embrace cultural diversity [15]. By fostering a culture of inclusion and diversity, organizations not only enhance employee well-being but also improve overall performance metrics.

One of the key challenges in developing cultural intelligence within leadership is identifying effective strategies for its enhancement. Training and development programs that focus on cross-cultural competency, experiential learning, and leadership coaching have been shown to improve CQ levels among leaders [16]. Moreover, organizations that invest in cultural intelligence training initiatives witness significant improvements in leadership effectiveness and team collaboration [17]. The integration of digital tools and virtual training platforms has further expanded opportunities for CQ development, allowing leaders to engage in cross-cultural simulations and interactive learning experiences [6]. In addition to formal training programs, mentorship and peer-learning initiatives play a crucial role in enhancing leaders' cultural intelligence by providing real-world exposure to diverse perspectives and cultural contexts.

Beyond training initiatives, fostering an organizational culture that supports cultural intelligence is essential for its sustainable development. Organizations that implement inclusive policies, promote cultural awareness, and encourage open dialogue on cultural differences create environments that nurture CQ among leaders and employees [18]. Leadership styles also play a pivotal role in shaping CQ development, as participative and

transformational leadership approaches have been shown to enhance cultural intelligence by fostering adaptability and continuous learning [19]. Organizations that embed cultural intelligence within their leadership frameworks benefit from improved cross-cultural collaboration, higher employee engagement, and enhanced strategic decision-making capabilities.

Despite the growing body of research on cultural intelligence, several gaps remain in understanding its development and application in leadership. While existing studies have explored the impact of CQ on leadership performance and organizational culture, there is limited research on the specific conditions and strategies that contribute to its enhancement [20]. Furthermore, the role of digital transformation, ethical leadership, and cross-cultural training in CQ development requires further exploration to provide comprehensive insights into best practices for cultivating cultural intelligence in leadership. By addressing these research gaps, the present study aims to contribute to the growing discourse on cultural intelligence and its implications for leadership effectiveness in multicultural organizational contexts.

In conclusion, cultural intelligence is a critical competency for leaders navigating the complexities of today's globalized and culturally diverse work environments. It influences leadership effectiveness, organizational performance, and ethical decision-making, making it an essential skill for leaders in multinational organizations. As digital transformation and globalization continue to shape the modern workforce, the need for culturally intelligent leaders will only become more pronounced. This study seeks to explore the conditions, consequences, and strategies for enhancing CQ among leaders, providing valuable insights into the mechanisms that drive its development and application. By examining the interplay between cultural intelligence, leadership, and organizational dynamics, this research aims to contribute to the ongoing efforts to build inclusive, adaptive, and high-performing organizations in an increasingly interconnected world.

2. Methodology

This study adopts a qualitative research approach to explore the conditions, consequences, and strategies for enhancing leaders' cultural intelligence. The research population includes university faculty members and management experts across Khuzestan province. A purposive sampling method is employed to select participants based on their expertise and familiarity with the research subject. Rather than relying on random selection, the study identifies individuals who possess a deep understanding of cultural intelligence and leadership dynamics. To ensure comprehensive coverage, the study also incorporates a snowball sampling technique, where interviewees are asked to recommend other experts with relevant knowledge in the field. Ultimately, 20 participants, comprising faculty members and specialists in management, are selected and interviewed.

Data collection relies on semi-structured interviews with experts in the field. The semi-structured interview format is chosen to allow for both structured inquiry and open-ended discussions, enabling a flexible yet directed exploration of the research topic. This method facilitates the exchange of ideas while allowing researchers to guide the conversation toward key objectives. Additionally, semi-structured interviews provide an opportunity to observe participants' emotions, perceptions, and beliefs regarding the subject under investigation. This approach ensures that the collected data reflect not only explicit responses but also deeper insights into participants' attitudes and experiences.

The study follows a grounded theory approach for data analysis, aiming to develop theoretical insights based on empirical findings. Grounded theory is particularly suitable for this research, as it allows for the systematic extraction of concepts from qualitative data. Given that part of the data collection involves participatory interviews, qualitative data analysis techniques such as coding and thematic categorization are applied. The analytical process involves open, axial, and selective coding to identify emerging themes, relationships, and conceptual frameworks. This method ensures that the study captures the complexity and multidimensionality of cultural intelligence in leadership, providing a structured yet exploratory perspective on the topic.

3. Findings

The analysis of interview transcripts in this section aims to identify the actions and interactions that result from the central phenomenon under investigation. Through a systematic coding process, two primary strategies were

identified from twelve axial codes and fifty-one open codes. These strategies, Continuous Training and Cultural Development, represent key approaches for enhancing leaders' cultural intelligence.

The results of the coding process for strategies are presented in the following table:

Table 1. Coding of Strategies

Selected Code	Axial Code
Continuous Training	Coaching-based Training
	Online Learning
	Interactive Training
	Leadership Education
	Leadership Skills
Cultural Development	Knowledge Acquisition
	Environmental Groundwork
	Incentives and Rewards
	Promotional Efforts
	Trust-building
	Responsibility Enhancement
	Hierarchical Cultural Orientation

The Continuous Training strategy emphasizes structured learning processes that equip leaders with the necessary competencies to navigate diverse cultural contexts. It incorporates multiple approaches, such as interactive and coaching-based training, online learning, and leadership development.

The Cultural Development strategy focuses on fostering an organizational environment that supports cultural intelligence through mechanisms like environmental groundwork, rewards and incentives, promotional efforts, and trust-building. These initiatives help reinforce cultural awareness and adaptability among leaders.

Implementing these strategies results in significant organizational outcomes. The qualitative analysis of interview transcripts led to the identification of two primary outcomes derived from seven axial codes and twenty-three open codes: Organizational Performance and Organizational Structure.

The results of the coding process for outcomes are presented in the following table:

Table 2. Coding of Outcomes

Selected Code	Axial Code
Organizational Performance	Financial Metrics
	Customer-related Indicators
	Process and Operational Efficiency
	Learning and Growth Benchmarks
Organizational Structure	Complexity
	Formality
	Centralization

The first major outcome, Organizational Performance, is linked to key performance criteria such as financial metrics, customer satisfaction indicators, operational efficiency, and learning and growth measures. These dimensions highlight the impact of cultural intelligence on overall organizational success.

The second major outcome, Organizational Structure, is influenced by factors such as complexity, formality, and centralization. The analysis indicates that cultural intelligence development plays a role in shaping how organizations structure their workflows, establish formal procedures, and determine decision-making hierarchies.

These findings demonstrate that enhancing cultural intelligence through structured training and cultural development strategies contributes significantly to improving organizational effectiveness and adaptability. The integration of these approaches not only strengthens leadership competencies but also leads to broader structural and performance-related improvements within organizations.

4. Discussion and Conclusion

The findings of this study reveal two primary strategies for enhancing leaders' cultural intelligence: Continuous Training and Cultural Development. These strategies were derived from twelve axial codes and fifty-one open codes, demonstrating a structured approach to developing cultural intelligence within leadership. Furthermore, the implementation of these strategies resulted in two key organizational outcomes: Organizational Performance

and Organizational Structure, which emerged from seven axial codes and twenty-three open codes. The interplay between these strategies and their outcomes highlights the importance of cultural intelligence in shaping leadership effectiveness, organizational success, and structural efficiency.

The identification of Continuous Training as a key strategy for enhancing cultural intelligence aligns with existing literature emphasizing the role of structured learning programs in CQ development. Previous studies have found that coaching-based training, interactive learning experiences, and leadership education play a crucial role in developing cross-cultural competencies among leaders [6]. Leaders who undergo targeted training programs demonstrate greater adaptability in multicultural environments, as these initiatives provide them with the knowledge, skills, and behaviors needed to navigate cultural diversity effectively [5]. Additionally, digital learning platforms have expanded access to cultural intelligence training, allowing leaders to engage in cross-cultural simulations and immersive experiences that enhance their ability to work with diverse teams [10]. The findings of this study reinforce these perspectives, demonstrating that continuous learning mechanisms significantly contribute to the enhancement of CQ.

The second identified strategy, Cultural Development, underscores the role of organizational culture in shaping cultural intelligence among leaders. This finding is consistent with previous research indicating that a supportive organizational environment, characterized by incentives, trust-building, and structured cultural initiatives, fosters cultural adaptability among leaders [8]. Organizations that embed cultural intelligence into their core values and reward culturally competent behaviors create an environment conducive to CQ development [17]. Furthermore, this study's emphasis on hierarchical cultural orientation aligns with prior research showing that organizations with well-defined cultural structures enable leaders to develop cultural awareness by immersing them in culturally diverse decision-making scenarios [3]. These findings suggest that organizations must go beyond individual training programs and actively cultivate an environment that supports cultural intelligence at all levels of leadership.

In terms of organizational outcomes, the study found that the application of cultural intelligence strategies directly influences Organizational Performance. This aligns with previous studies that have established a positive correlation between CQ and key performance metrics, such as financial growth, customer satisfaction, and operational efficiency [4]. Leaders with high cultural intelligence are better equipped to understand the needs of diverse stakeholders, negotiate effectively in cross-cultural settings, and foster inclusive workplace environments, all of which contribute to enhanced organizational performance [14]. The emphasis on financial, customer, process, and learning-related performance indicators further reinforces the multidimensional impact of cultural intelligence on organizational success.

The second major outcome, Organizational Structure, highlights the role of cultural intelligence in shaping structural dimensions such as complexity, formality, and centralization. This finding is consistent with research demonstrating that organizations with leaders who possess high CQ tend to adopt more flexible and adaptive structures, enabling them to respond effectively to cultural and market variations (Karawya, 2024). Studies have shown that organizations with decentralized decision-making structures and culturally diverse leadership teams are better positioned to navigate global challenges, as their leaders can leverage cultural intelligence to drive strategic innovation and problem-solving [7]. The findings of this study suggest that fostering CQ within leadership does not only enhance individual competency but also contributes to broader organizational adaptability and resilience.

The link between Cultural Intelligence and Leadership Effectiveness is further supported by studies emphasizing the mediating role of CQ in transformational leadership. Transformational leaders with high CQ are more effective in motivating employees, fostering trust, and driving change in multicultural settings [6]. This study's findings align with previous research indicating that cultural intelligence enhances leadership performance by enabling leaders to manage diverse teams more effectively and resolve cross-cultural conflicts efficiently [13]. Additionally, the identification of training and cultural reinforcement as key strategies for CQ enhancement resonates with studies demonstrating that leadership development initiatives must combine formal education, experiential learning, and cultural immersion to be truly effective [16].

Another significant finding of this study is the role of digital transformation in shaping cultural intelligence strategies. The emergence of online learning as a key component of CQ development aligns with research on the intersection of digital leadership and cultural adaptability. Studies have shown that leaders who engage in digital

learning platforms are more likely to develop cultural intelligence due to their exposure to global perspectives and digital cross-cultural collaboration [10]. Additionally, the study's emphasis on trust-building and reward systems in fostering CQ aligns with findings indicating that organizations that incentivize culturally competent behaviors experience higher levels of employee engagement and organizational commitment [9].

In summary, the results of this study confirm and expand upon existing research by highlighting the dual strategies of Continuous Training and Cultural Development as essential for enhancing leaders' cultural intelligence. These strategies, in turn, lead to improved organizational performance and structural adaptability, reinforcing the critical role of CQ in leadership effectiveness and organizational success.

Despite its contributions, this study has several limitations. First, the qualitative nature of the study limits the generalizability of its findings. While the in-depth interviews provided valuable insights into cultural intelligence development, a larger sample with quantitative measures could provide more statistically robust conclusions. Second, the study focused on a specific population of academic and management experts in Khuzestan province, which may limit the applicability of the findings to other regions and industries. Additionally, the study relied on self-reported perceptions, which may introduce biases in how participants assess their own cultural intelligence and its impact on organizational outcomes. Finally, the study did not explore longitudinal changes in CQ development, making it difficult to assess how cultural intelligence evolves over time within leadership roles.

Future research should incorporate quantitative methods to complement qualitative findings and provide a more comprehensive understanding of cultural intelligence in leadership. Large-scale surveys and experimental studies could help validate the effectiveness of the identified strategies in different organizational settings. Additionally, cross-industry comparisons could reveal sector-specific variations in how CQ is developed and applied. Future studies should also explore the role of digital transformation in CQ development, particularly in remote work environments where cross-cultural interactions occur virtually. Another promising avenue for research is the long-term impact of CQ training programs, assessing whether improvements in cultural intelligence lead to sustained changes in leadership performance and organizational outcomes over time. Finally, research should examine how cultural intelligence interacts with other leadership competencies, such as emotional intelligence, ethical leadership, and strategic decision-making, to provide a more holistic understanding of leadership effectiveness in diverse settings.

Organizations should implement structured training programs that integrate coaching-based learning, digital platforms, and experiential learning opportunities to develop cultural intelligence among leaders. Leadership development initiatives should emphasize real-world exposure to diverse cultural contexts, such as international assignments, cross-cultural mentoring, and immersive learning experiences. Additionally, organizations should create inclusive workplace environments that reinforce cultural intelligence through trust-building, reward systems, and leadership role modeling. By embedding CQ within organizational culture, companies can foster greater adaptability, innovation, and collaboration among leaders and employees. Furthermore, organizations should leverage technology to enhance cultural intelligence development, utilizing virtual learning tools, AI-driven cultural competency assessments, and cross-cultural collaboration platforms to prepare leaders for the challenges of a globalized business environment. Finally, leadership teams should continuously assess and refine CQ-enhancement strategies based on employee feedback and evolving organizational needs, ensuring that cultural intelligence remains a core competency in leadership development initiatives.

Authors' Contributions

Authors equally contributed to this article.

Ethical Considerations

All procedures performed in this study were under the ethical standards.

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Conflict of Interest

The authors report no conflict of interest.

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