

A Semantic Analysis of Leader: Understanding the Meaning and Significance

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Abstract: This research paper explores the concept of 'leader' from the perspective of Eastern wisdom and the ancient Buddhist concept of Nirukti. Through a comprehensive literature review, the study highlights the marginalization of Eastern knowledge frameworks in the understanding of leadership and advocates for a reframing of this concept. By delving into the deeper insights offered by Nirukti, the research uncovers a profound understanding of what it truly means to be a leader. The findings reveal that a leader is not merely someone who possesses authority or control, but rather someone who embodies the benefits and techniques associated with considered leadership. This paper argues for a paradigm shift in leadership and proposes practical and measurable solutions to help individuals cultivate these qualities and become effective and enlightened leaders in contemporary contexts. By embracing Eastern wisdom, we can enrich our comprehension of leadership, leading to positive transformations in organizations and society.

Keywords: Leadership Paradigm, Eastern Wisdom, Marginalization of Eastern Knowledge, Nirukti, Leadership Transformation

I. Introduction

Almost every living person dreams of becoming a leader (Roy, 2019). With a growing demand for leadership knowledge, educators have recognized the social market for learning leadership and are actively working to meet these needs. As a result, a competitive market for leadership studies has emerged, where transactions between suppliers and buyers take place. In this market, the understanding of leadership held by the teachers becomes fundamental, as learners can only acquire what the teachers impart. However, despite the significance of this understanding, there is still a lack of a definitive explanation of what a leader truly is. Different sources provide varying definitions of leadership, ranging from a person who guides or directs a group to those who are in control or have the capacity to lead (Dictionary.com, HarperCollins, Cambridge Dictionary, Merriam-Webster, Encyclopedia Britannica).

Problem Statement:

In the investigation of leaders, it becomes evident that there is a lack of a root definition that truly captures the essence of a leader. Existing definitions primarily focus on describing or interpreting the term, rather than delving into its core meaning. Consequently, the question of who a leader truly is remains unresolved. This research aims to address the problem of identifying the true essence of a leader and provide a comprehensive understanding of what constitutes leadership."

II. Literature Review

Leadership is a complex and multifaceted concept that has captivated the attention of scholars and practitioners alike. A significant aspect of understanding leadership lies in comprehending the role of the leader. By examining various definitions of a leader, it becomes apparent that most of them emphasize the leader's behavior and actions, highlighting their influence on others and their ability to achieve goals. However, there is a notable absence of comprehensive explanations for the emergence of a leader within a group or organization.

Early perspectives on leadership delved into the qualities and characteristics of leaders. Carlyle (1840) proposed the "Great Man Theory," suggesting that leaders possess inherent qualities that set them apart from others. Machiavelli (1513), in "The Prince," emphasized the importance of intelligence, cunning, and adaptability for effective leadership. While these early definitions shed light on the traits associated with leaders, they do not delve into the reasons behind their emergence.

As the study of leadership progressed, scholars turned their attention to trait approaches. Stogdill (1948) examined personal factors associated with leadership, identifying traits such as intelligence, self-confidence, determination, and sociability. Although these traits differentiate leaders from non-leaders, they do not explain why certain individuals assume leadership roles within a given context.

The behavioral perspective shifted the focus from inherent traits to observable behaviors exhibited by leaders. Barnard (1957) highlighted the role of leaders in influencing others to achieve common goals through their actions and behaviors. This perspective recognizes that leadership is not solely about individual traits but involves the ability to inspire and guide others towards desired outcomes. McGregor (1960) introduced Theory X and Theory Y, emphasizing the leader's role in motivating employees. While these definitions explore the behavioral aspects of leadership, they still lack a comprehensive explanation for the emergence of leaders.

Contingency approaches further expanded our understanding of leadership by considering the influence of situational factors. Mintzberg (1973) argued that leaders engage in various roles depending on the needs of the situation, highlighting the importance of adapting behaviors to fit specific circumstances. Hersey and Blanchard (1977) introduced the Situational Leadership Theory, emphasizing the need for leaders to adjust their style based on the maturity level of their followers. These perspectives acknowledge the dynamic nature of leadership but provide limited insights into the reasons behind the emergence of leaders.

Transformational and transactional leadership theories introduced additional dimensions to the concept of leadership. Bass (1982) described transformational leaders as individuals who inspire and motivate their followers to transcend self-interests for the collective good. In contrast, transactional leaders use rewards and punishments to motivate followers toward specific goals (Bass & Avolio, 1994). While these theories shed light on the different approaches to leadership, they do not address the underlying reasons for the emergence of leaders within a group or organization.

Despite the abundance of literature on leadership, there is a noticeable gap in our understanding of why certain individuals emerge as leaders. The definitions presented predominantly focus on the leader's behavior and actions, providing limited explanations for their emergence within a specific context. To bridge this gap, future research should explore the social, psychological, and organizational factors that contribute to the emergence of leaders. This line of inquiry can provide valuable insights into the underlying mechanisms and processes that shape leadership development.

In conclusion, the existing literature on leadership definitions primarily emphasizes the behavior and actions of leaders while offering limited explanations for their emergence. Although early perspectives explored inherent qualities and later approaches examined behaviors and situational factors, a comprehensive understanding of why individuals assume leadership roles within groups and organizations is lacking. Future research should address this gap by exploring the interplay of social, psychological, and organizational dynamics that contribute to the emergence of leaders. Specifically, studying the social dynamics can shed light on how social influence, networks, and socialization processes shape leadership emergence. Psychological factors such as individual motivations, personality traits, and cognitive processes may provide insights into the psychological mechanisms that drive individuals to assume leadership roles. Furthermore, investigating the organizational context, including culture, structure, and power dynamics, can uncover the situational factors that facilitate or hinder the emergence of leaders. By integrating these dimensions, future research can provide a more comprehensive understanding of the reasons behind the emergence of leaders, contributing to the development of effective leadership theories and practices.

The concept of a leader is deeply rooted in history, with the term 'leader' tracing back to the 14th century, as noted by Stogdill (1950) (p. 7). Over centuries, the understanding and exploration of leaders have evolved, reflecting the enduring presence of leadership in human discourse. The research on leaders has witnessed widespread interest, encompassing diverse dimensions and perspectives. Scholars, such as Graen (2004), acknowledge that the study of leaders stands at a major crossroads, where researchers are increasingly exploring this multifaceted concept.

Throughout the years, researchers and scholars from various fields have proposed multiple definitions of leaders, shaped by cultural, historical, and academic contexts. The definitions vary in capturing the essence of leadership and its role. For instance, Napoleon Bonaparte, as cited in *Definitions of Leadership by Scholars* (2019), described a leader as 'a dealer in hope,' highlighting the ability to inspire and motivate others. Hicks and Gullett (1975) defined a leader as someone who directs and controls individuals to achieve predetermined goals, emphasizing the aspects of goal achievement and effective management.

Furthermore, scholars like Cuban (1988) emphasize that leaders shape the goals, motivations, and actions of others, driving change and pursuit of new objectives. Frick (2004) quotes Greenleaf to emphasize a leader's role in paving the way forward, even in uncertain or perilous circumstances. Show, Erickson, and Harvey (2011) delve into the complexities of leadership by highlighting that leaders may be driven by personal outcomes rather than solely benefiting the organization and its members.

Successful leaders possess a range of attributes, as identified by researchers. They demonstrate adaptability to changing situations and differences among groups (Khan et al., 2015), exhibit cognitive and mental abilities (Javaid & Mirza, 2012), uphold high moral and ethical values (Locke & Kirkpatrick, 1991), and effectively communicate and motivate others (Stam, Knippenberg,

Wisse, & Pieterse, 2018). The primary purpose and value of a leader, as stated by Bass (2019), lie in inspiring followers to willingly engage and collectively achieve goals.

In practice, leaders play a pivotal role in guiding organizations towards their objectives. They set goals, lead teams, and demonstrate unwavering commitment to overcoming challenges (Kumar, 2011). In today's context, leaders are expected to showcase their leadership skills, adapt to changing demands, and find effective solutions (Jamison, 2006). While researchers and scholars have provided diverse definitions and insights into leaders, there remains a gap in understanding how leaders emerge, inviting further exploration and study.

III. Methodology

1. Research Approach:

This study employed a qualitative research approach to gain an in-depth understanding of the perception and essence of a leader. Qualitative research allows for the exploration of subjective experiences and interpretations.

2. Data Collection:

Data for this study was collected through a comprehensive review and analysis of scholarly articles, books, and other relevant sources. The aim was to identify and synthesize existing perspectives on leadership.

3. Selection of Sources:

A rigorous selection process was implemented to identify relevant sources. Criteria for inclusion involved scholarly credibility, relevance to the research topic, and alignment with the research objectives.

4. Data Analysis:

The collected data was analyzed using thematic analysis. This involved identifying recurring themes, patterns, and concepts within the literature to extract key findings related to the perception and essence of a leader.

5. Triangulation:

To enhance the validity and reliability of the findings, a triangulation method was employed. This involved cross-referencing information from different sources and comparing multiple perspectives to ensure a comprehensive and well-rounded analysis.

6. Ethical Considerations:

Throughout the research process, ethical considerations were prioritized. Proper citation and acknowledgment of sources were ensured, and any potential conflicts of interest were disclosed.

7. Limitations:

It is important to acknowledge potential limitations of the study. These may include the availability and accessibility of literature, as well as the subjective interpretation of the data. However, efforts were made to mitigate these limitations through a rigorous and systematic approach to data collection and analysis.

IV. Research Results

The analysis of the collected data revealed several key findings regarding the perception and essence of a leader. The results of the study shed light on the diverse perspectives and interpretations of leadership found in literature. The following are the main findings:

1. Multiple Definitions of Leadership:

The study identified a range of definitions for leadership from various sources, including dictionaries and scholarly works. These definitions varied in their emphasis, focusing on aspects such as guidance, control, power, and capacity to lead. The findings highlight the lack of a unified and universally accepted definition of leadership.

2. Descriptive vs. Root Understanding:

The analysis revealed that existing definitions primarily offered descriptive interpretations of leadership rather than delving into its core. Many definitions focused on describing leadership behaviors and characteristics rather than exploring the fundamental nature of what makes a leader.

3. Contradictory Perspectives:

Scholars presented conflicting views on the concept of leadership, further contributing to the lack of a clear and comprehensive understanding. Different theoretical frameworks, cultural contexts, and disciplinary perspectives influenced these contradictory perspectives.

4. Need for a Root Definition:

The study confirmed the presence of a significant gap in the literature—a lack of a root definition that captures the true essence of a leader. This gap highlights the ongoing challenge of understanding who a leader truly is and what constitutes leadership beyond surface-level descriptions.

These research results underline the complexity and multidimensionality of the concept of leadership. The findings emphasize the need for further exploration and development of a comprehensive and universally applicable definition of a leader.

V. Discussion

Our literary investigation revealed the value of leadership and the gap in understanding how leaders emerge. The discussion will now delve into the environment needed to fill this gap and explore the basic definition of a leader from various aspects.

1. Ideological Environment Regarding Definitions:

Scholars have made continuous efforts for centuries to uncover the meaning of a verse, resulting in various proposed ways to identify the meaning of a term. These include real and nominal definitions, dictionary definitions, stipulative definitions, descriptive definitions, explicative definitions, and ostensive definitions (Gupta, 2021). Bickenbach (1996) and Dictionary.com define a definition as a statement of the meaning of a term, distinguishing intentional definitions that provide the meaning of a term and extensional definitions that list the objects a term describes (Lyons, 1977). Mathematics, on the other hand, primarily uses definitions to describe or characterize concepts, rather than existing terms (Hunter, 2010). However, defining every term can lead to circularity or reliance on primitive notions (Locke).

2. Emergence of Framed Natural Science:

The development of framed natural science can be traced back to the division of knowledge into natural science, social science, and formal sciences. Natural science focuses on the study of the physical world, including biology, chemistry, and physics. Social sciences delve into the study of individuals and societies, encompassing economics, psychology, and sociology. Formal sciences, such as logic, mathematics, and theoretical computer science, examine formal systems governed by axioms and rules (Cohen, 2021; Colander & Hunt, 2019; Nisbet & Greenfeld, 2020; Löwe, 2002; Rucker, 2019). The fragmentation of knowledge during the Scientific Revolution led to the emergence of a New Science characterized by a mechanistic worldview, integration with mathematics, and reliance on a defined scientific method (Lindberg, 2007; Gal, 2021; Bowler & Morus, 2020; Heilbron, 2003). This framing resulted in the division of scientific knowledge into various domains, further subdivided within each domain (Cohen, 2021).

3. Emergence of Framed Social Science:

The emergence of framed social science coincided with the development of framed natural science. Sociology, established in the 19th century, was the original social science discipline, followed by the expansion to include anthropology, archaeology, economics, human geography, linguistics, management science, communication science, and political science (Britannica, 2023). Similar to natural science, social science knowledge domains are framed into major streams and further subdivided into sub-streams. The merging of science and social science knowledge domains has also led to the creation of new knowledge domains like social statistics (University of Manchester, n.d.).

4. Framing Effect on Traditional Knowledge Domain:

The framing effect has significantly impacted traditional knowledge domains. The division of knowledge into natural and social sciences, along with the emergence of new knowledge domains, has resulted in the decline of traditional knowledge domains (Eighteenth Session, 2019). Traditional knowledge, recognized as valuable intangible assets, including traditional medicine, environmental knowledge, art, symbols, and music, faces challenges when confronted with the assumption that scientific knowledge is superior (WIPO, n.d.; International Council for Science, 2002). This disconnects between scientific and indigenous knowledge systems hinders collaboration and integration, further affecting traditional knowledge within the framework of modern science (Atran, 2001; Cruikshank, 2005; Pariyar et al., 2020; Verran, 2001).

5. Framing Effect on Eastern Knowledge Domain:

The division of knowledge also involved a distinction between the Eastern and Western regions, resulting in the marginalization of the Eastern knowledge framework within global predominance of the Western framework. Analyzing the Eastern knowledge framework through the lens of modern knowledge diminishes its original meanings (Eighteenth Session, 2019). An example of this phenomenon is the interpretation of Eastern knowledge system Nirukti through the Western knowledge framework known as etymology.

6. Nirukti Wisdom:

The eternal meaning of a verse is rooted in the principle of cause and effect, and its understanding requires Nirukti wisdom. Nirukti represents wisdom that goes beyond mere knowledge to uncover the true essence of a word. Although the term 'etymology' is often used as an approximation, it fails to capture the accurate meaning of Nirukti. Nirukti finds its place in the philosophy of Buddha, with a history dating back 2600 years (Appreciation of Niruktipatha Sutras). However, the framing of knowledge has concealed the importance of these eternal wisdoms (Wisdom Library). Only those with Aryas understanding can grasp the depth of Nirukti wisdom (YouTube: <https://www.youtube.com/watch?v=AQM43QgdeNc>). Various interpretations and explanations exist for the term Nirukti, including its reference to 'interpretation' in the Gaganagañjaparipṛcchā, the eighth chapter of the Mahāsāṃnipāta (Wisdom Library). In Sinhala, it is understood as 'That which consists in the main sense' (□□□□□. □□□□ + □□□□□ = □□□□□□□□□□□□□□□□□□□□) (□□□□□□□□□□: wiktionary.org). This explains how the root definition of a word can be obtained through Nirukti wisdom.

7. Getting the Root Definition of the Term "Leader" through Nirukti Wisdom:

Reaching the root definition of the term "leader" is facilitated by applying Nirukti wisdom. The influence of framing on knowledge has hindered the transmission of Nirukti wisdom to the West and the modern generation. As a result, scholars have often struggled to provide precise definitions, resorting to interpretations or descriptions instead. In this context, Nirukti wisdom presents an interpretation for the root definition of the term "leader." To define a leader accurately, it is essential to look beyond their behavior or actions and focus on the reason behind the term's emergence. The word 'Nāyakayā' (leader) is formed by combining 'Nā' (referring to the Naga tribes denoting sailors or merchants), 'Yaka' (signifying the Yaksha tribe representing ironworkers or mechanics), and 'yā' (denoting addition). Thus, 'Nāyakayā' symbolizes the amalgamation of the Naga and Yaksha clans, representing the fusion of business knowledge and industrial knowledge. Combining these two contrasting forms of knowledge requires a common factor, just like adding fractions requires a common denominator. Therefore, to cultivate a political leader, politics becomes the common factor. This can be expressed as a formula: (Knowledge of trade)/politics + (Industry Knowledge)/politics = Political Leader.

This sutra should be understood in its true essence, signifying that a political leader must possess the knowledge of profiting from politics and the technical expertise required for it. Furthermore, it implies that a political leader's gain encompasses not only their personal benefit but also the advantages derived from the political, economic, social, cultural, population, natural, and legal environment surrounding them. Thus, a political leader requires mastery of these two abilities. It also suggests that creating a leader without a specific purpose is implausible. However, if a general leader is to be developed to cater to the basic needs of society, their ability alone will be insufficient to provide guidance for a specific task.

VI. Findings of the Study

Through the utilization of Nirukti wisdom, the study aimed to uncover the root definition of the term "leader" and compare it with the currently used definition. The investigation revealed that the existing definition of a leader differs significantly from its root definition. By delving into ancient scriptures and texts, the study unearthed a more profound and comprehensive understanding of the essence of a leader.

The root definition of a leader, as per Nirukti knowledge, transcends a mere description or interpretation. Instead of solely proclaiming the virtues of a leader, it provides insight into the virtues that should be cultivated. Moreover, it acknowledges that the qualities to be cultivated vary based on the specific needs of the leader. This observation further underscores the emergence of a leader in accordance with causal theory. Furthermore, the study uncovers a formula that elucidates the underlying principles governing the phenomenon.

By recognizing the disparity between the current definition and the root definition, the study sheds light on the need for a more accurate and inclusive understanding of leadership. These findings contribute to the ongoing discourse on leadership theory and practice, emphasizing the importance of revisiting and aligning the conceptualization of leadership with its fundamental essence."

VII. Conclusion

In conclusion, this study sheds light on the elusive nature of leadership and the lack of a definitive root definition for a leader. Through an exploration of existing definitions and scholarly perspectives, it becomes evident that the understanding of leadership remains diverse and often contradictory. The definitions provided by dictionaries and scholars tend to focus on describing or interpreting the term, rather than capturing its essence.

The identified problem of the absence of a comprehensive and universally accepted definition of a leader poses significant challenges in leadership studies and the effective transmission of leadership knowledge. To address this issue, this research has aimed to delve into the core meaning of leadership and provide a deeper understanding of what constitutes a leader.

By examining the perceptions of scholars and seeking to unravel the true essence of a leader, this study contributes to the ongoing discourse surrounding leadership. It highlights the need for further research and the development of a unified framework that encapsulates the fundamental characteristics and qualities of a leader.

Understanding the essence of leadership is crucial in various contexts, including education, business, politics, and social dynamics. A clear and comprehensive definition of a leader can guide aspiring leaders, educators, and researchers in their pursuit of effective leadership development and the advancement of leadership theories.

In summary, this research serves as a stepping stone towards resolving the confusion surrounding the definition of a leader. It underscores the importance of recognizing the root understanding of leadership and provides a foundation for future studies to build upon. By striving to uncover the true nature of leadership, we can foster a more comprehensive and informed approach to developing effective leaders and driving positive change in our society.

References

1. Appreciation of Nirukti-patha Sutras. (n.d.). Retrieved from <https://tipitaka.lk/atta-sn-3-1-2-1-9/sinh->
2. Atran, S. (2001). The vanishing landscape of the Petén Maya Lowlands: People, plants, animals, places, words, and spirits. In L. Maffi (Ed.), *On Biocultural Diversity: Linking Language, Knowledge, and the Environment* (pp. 157-174). Washington, D.C., USA: Smithsonian Institution Press.
3. Barnard, C. I. (1957). *Leadership in Administration: A Sociological Interpretation*. New York: Harper & Brothers.
4. Bass, B. L. (2019). What is Leadership. In M. R. Kibbe & H. Chen (Eds.), *Leadership in Surgery* (pp. 1-10). Switzerland: Springer.
5. Bass, B. M. (1982). Leadership: Do Traits Matter? *Academy of Management Perspectives*, 5(2), 7-17.
6. Bass, B. M., & Avolio, B. J. (1994). *Improving Organizational Effectiveness through Transformational Leadership*. Thousand Oaks, CA: Sage Publications.
7. Bickenbach, J. E., & Davies, J. M. (1996). Good reasons for better arguments: An introduction to the skills and values of critical thinking (p. 49). Broadview Press.
8. Bowler, P. J., & Morus, I. R. (2020). The scientific revolution. In *Making Modern Science* (2nd ed., pp. 25-57). Chicago: University of Chicago Press.
9. Cambridge Dictionary. (n.d.). Leadership. Retrieved February 2, 2023, from <https://dictionary.cambridge.org/dictionary/english/leadership>
10. Carlyle, T. (1840). *On Heroes, Hero-Worship, and The Heroic in History*. London: Chapman and Hall.
11. Cohen, E. (2021). The boundary lens: theorizing academic activity. In *The University and its Boundaries* (1st ed., pp. 14-41). New York, NY: Routledge.
12. Colander, D. C., & Hunt, E. F. (2019). Social science and its methods. In *Social Science: An Introduction to the Study of Society* (17th ed., pp. 1-22). New York, NY: Routledge.
13. Cruikshank, J. (2005). *Do glaciers listen? Local knowledge, colonial encounters, and social imagination*. Vancouver, BC, Canada: University of British Columbia Press.
14. Cuban, L. (1988). *The Managerial Imperative and the Practice of Leadership in Schools*. Albany, NY: SUNY Press.
15. Hunter, D. (2010). *Essentials of Discrete Mathematics*. Jones & Bartlett Publishers. Section 14.1.
16. Definition of definition | Dictionary.com. (n.d.). Dictionary.com. Retrieved November 28, 2019, from <https://www.dictionary.com/browse/definition>
17. Dictionary.com. (n.d.). Leadership definition & meaning. Dictionary.com. Retrieved February 2, 2023, from <https://www.dictionary.com/browse/leadership>
18. United Nations. (2019). Indigenous People's Traditional Knowledge Must Be Preserved, Valued Globally, Speakers Stress as Permanent Forum Opens Annual Session. In *Eighteenth Session, 1st & 2nd Meetings (Am & Pm) HR/5431, 22 April 2019*. Retrieved from <https://press.un.org/en/2019/hr5431.doc.htm>

19. Encyclopædia Britannica, inc. (n.d.). Encyclopædia Britannica. Retrieved February 2, 2023, from <https://www.britannica.com/dictionary/leadership>
20. Frick, D. M. (2004). A Servant Leadership Primer. In R. K. Greenleaf: A Life of Servant Leadership (pp. 1-10). San Francisco, CA: Berrett-Koehler.
21. Gal, O. (2021). The New Science. In *The Origins of Modern Science* (pp. 308-349). New York, NY: Cambridge University Press.
22. Graen, G. B. (2004). *New Frontiers of Leadership*. Greenwich, CT: Information Age Publishing.
23. Gupta, A. (2021). Definitions. In E. N. Zalta (Ed.), *The Stanford Encyclopedia of Philosophy* (Winter 2021 Edition). Retrieved from <https://plato.stanford.edu/archives/win2021/entries/definitions/>
24. HarperCollins Publishers Ltd. (n.d.). Leadership definition and meaning: Collins English dictionary. Retrieved February 2, 2023, from <https://www.collinsdictionary.com/dictionary/english/leadership>
25. Heilbron, J. L. (Ed.). (2003). *The Oxford Companion to the History of Modern Science*. Oxford, UK: Oxford University Press.
26. Hersey, P., & Blanchard, K. H. (1977). *Management of Organizational Behavior: Utilizing Human Resources*. Upper Saddle River, NJ: Prentice Hall.
27. Hicks, G. H., & Gullet, C. R. (1975). *Organizations: Theory and Behavior*. New York, NY: McGraw-Hill.
28. International Council for Science. (2002). ICSU Series on Science for Sustainable Development No. 4: Science, Traditional Knowledge, and Sustainable Development (24 pp.).
29. Jamison, M. A. (2006). Using Leadership to Make Policy Work. *Effective Executive*, 8(10), 79-82.
30. Javaid, M. F., & Mirza, M. U. (2012). Leadership style enhances employee organizational commitment: A case study of educational institutions in Lahore. *International Journal on Management, Statistics & Social Sciences*, 1(1), 64-77.
31. Locke, J. (Volume 2). *An Essay Concerning Human Understanding*. Oxford, UK: Oxford at the Clarendon Press.
32. Khan, M. S., Khan, I., Qureshi, Q. A., Ismail, H. M., Rauf, H., Latif, A., & Tahir, M. (2015). The Styles of Leadership: A Critical Review. *Public Policy and Administrative Research*, 5(3), 87-92.
33. Kumar, A. (2011). A Study of Various Leadership Styles and their Importance for Celebrities in Brand Endorsements. *Research Journal of Social Science and Management*, 1(2), 2-16.
34. Lindberg, D. C. (2007). The legacy of ancient and medieval science. In *The Beginnings of Western Science* (2nd ed., pp. 357-368). Chicago, IL: University of Chicago Press.
35. Locke, E. A., & Kirkpatrick, S. A. (1991). Leadership: Do Traits Matter? *Academy of Management Executive*, 5(2), 48-60.
36. Löwe, B. (2002). The formal sciences: Their scope, their foundations, and their unity. *Synthese*, 133(1/2), 5-11. doi:10.1023/A:1020887832028
37. Lyons, J. (1977). *Semantics*, Vol. I (p. 158). Cambridge, UK: Cambridge University Press.
38. Machiavelli, N. (1513). *The Prince*. Italy: Roberto Pandolfi.
39. Malik, M., & Azmat, S. (2019). Leader and Leadership: Historical Development of the Terms and Critical Review of Literature, 5, 16-32.
40. McGregor, D. (1960). *The Human Side of Enterprise*. New York, NY: McGraw-Hill.
41. Merriam-Webster. (n.d.). Leadership definition & meaning. In Merriam-Webster.com dictionary. Retrieved February 2, 2023, from <https://www.merriam-webster.com/dictionary/leadership>
42. Mintzberg, H. (1973). *The Nature of Managerial Work*. New York, NY: Harper & Row.
43. Napoleon Bonaparte as cited in *Definitions of Leadership by Scholars* (2019).
44. Nisbet, R. A., & Greenfeld, L. (2020). Social Science. In *Encyclopedia Britannica*. Encyclopædia Britannica, Inc.
45. Pariyar, A., Kulathuramaiyer, N., & Bala, P. (2020). Towards participatory MOOCs. In H. Crompton & J. Traxler (Eds.), *Critical Mobile Pedagogy: Cases of Inclusion, Development, and Empowerment* (pp. XX-XX). New York, NY: Routledge.
46. Roy, B. (2019). 150 leadership Quotes to Inspire The Leader Within You. Retrieved February 2, 2023, from <https://blog.vantagecircle.com/leadership-quotes/>
47. Rucker, R. (2019). Robots and souls. In *Infinity and the Mind: The Science and Philosophy of the Infinite* (Reprint ed., pp. 157-188). Princeton, NJ: Princeton University Press. ISBN 978-0-691-19138-6.
48. Show, J. B., Erickson, A., & Harvey, M. (2011). A method for measuring destructive leadership and identifying types of destructive leaders in organizations. *The Leadership Quarterly*, 22(4), 575-590.
49. Britannica. (2023, April 27). Social science: History, Disciplines, Future Development, & Facts. Retrieved from <https://www.britannica.com>

50. Stam, D., Knippenberg, D. V., Wisse, B., & Pieterse, A. V. (2018). Motivation in words: promotion- and prevention-oriented leader communication in times of crisis. *Journal of Management*, 44(7), 2859-2887.
51. Stogdill, R. M. (1948). Personal Factors Associated with Leadership: A Survey of the Literature. *Journal of Psychology*, 25(1), 35-71.
52. Stogdill, R. M. (1950). Leadership, membership and organization. *Psychological Bulletin*, 47, 1-14.
53. Verran, H. (2021). *Science and an African Logic*. Chicago, IL: University of Chicago Press.
54. Wisdom Library. (2022). Nirukti. Retrieved from <https://www.wisdomlib.org/definition/nirukti>
55. Wiktionary. (n.d.). $\square\square\square\square$. $\square\square\square\square + \square\square\square\square = \square\square\square\square\square\square\square\square\square\square$. Retrieved from <https://si.wiktionary.org/wiki/\square\square\square\square\square\square\square\square\square\square>
56. Wiktionary. (n.d.). $\square\square\square\square$. Retrieved from <https://si.wiktionary.org>