

Impact Of Democratic Behavior On Cognitive Performance And Personality Development

Junaid-Ur-Rehman¹, Dr. Noor Muhammad², Dr. Hamid Masood Khan³, Dr. Nafid Khan⁴ & Abdul Basit¹

Abstract

This study explores the impact of democratic behavior on cognitive performance and personality development, focusing upon students in higher education institutions. The democratic behavior, characterized by inclusiveness, participatory decision-making, and mutual respect, is believed to foster environments helpful to personal evolution and intellectual growth. The research employs a quantitative approach, integrating quantitative surveys to assess relationship amid democratic leadership styles, students' cognitive abilities, and personality traits such as openness, resilience, and emotional intelligence. The findings in this regard, data was¹ collected from students hailing from higher institutions of Punjab, Pakistan. The findings indicate that the democratic behavior positively influences performance by promoting critical thinking, problem-solving and collective learning. Besides, students exposed to democratic environment exhibit notable improvements in the personality development, particularly in areas like self-confidence, adaptability, and social skills. The study highlights the role of institutions in nurturing democratic practices to enhance academic and personal growth, offering insights for the policymakers and educators to cultivate holistic development.

Keywords: *Democratic Behavior, Cognitive Performance, Personality Development & Students.*

INTRODUCTION

This study aims to explore relationship between democratic behavior in sports settings and its impact upon cognitive performance and personality growth of individuals. Explicitly, it explores role of psychological capital and effective commitment as potential mediators in relationship [1]. The research hypothesizes that democratic behavior within the sports positively influences both cognitive performance and personality development of employees. It posits that psychological capital and effective commitment mediate this relationship, elucidating underlying mechanisms through that democratic behavior exerts its effects [2]. The quantitative conducted to offer the deeper insights into subjective experiences of individuals within a democratic dynamic leading environment [3]. The democratic behavior refers to the leadership dynamics branded by shared decision-making and participative decision-making processes [4]. The research suggests that the leadership fosters sense of empowerment, engagement, and commitment among individuals as it inspires creativity, problem-solving, and innovation by allowing diverse views to be heard and considered [5].

¹PhD Scholar, Department of Sports Sciences & Physical Education, Gomal University, Pakistan

²Department of Sports Sciences & Physical Education, Gomal University, D. I. Khan, Pakistan

³Assistant Professor, Institute of Computing & Information Technology, Gomal University

⁴Assitant Professor, Institute of Business Administration, Gomal University, D. I. Khan

The cognitive performance refers to the efficiency and effectiveness of mental processes involved in tasks like learning, problem-solving, decision-making and memory. The studies have shown that a supportive and empowering environment, such as one fostered by democratic leadership positively impact cognitive performance by reducing stress, enhancing motivation [6], enduring patterns of views, feelings, behaviors that extract individuals from one another. The democratic environments can contribute to positive personality development by promoting the traits like openness to experience, conscientiousness and agreeableness [7]. Over chances for participation, feedback, teamwork, individuals may develop greater self-awareness, emotional intelligence, and interpersonal skills, as capital refers to a student positive psychological state of growth branded by hope, efficacy, and resilience [8]. The democratic behavior enhances employees' psychological capital by nurturing sense of trust, empowerment, and confidence in their abilities [9]. The high levels of psychological capital have been linked to improved job performance, job satisfaction, and well-being.

Likewise, the refers to a deep sense of attachment and loyalty to an organization or group based on mutual respect, shared values, and eloquent engagement. By encouraging sense of ownership, participation in decision-making, and alignment with the objectives and values of organization, democratic practices can enhance effective commitment [10]. Thus, worker commitment to the company is more likely when they are treated with respect and feel valued, which boosts output, retention, and performance. The results can better our understanding of psychological dynamics that exist within sports and guide implementation of democratic policies that improve player cognitive function and positive personality development [11]. Thus, personality describes long-lasting patterns of emotions, ideas and actions [12]. The democratic organizational cultures have been proposed to support the healthy personality development by inspiring characteristics like openness to experience. The democratic practices have potential to enhance employees' self-awareness and interpersonal change by providing them with chances for autonomy, teamwork and feedback [13].

Objectives & Hypotheses

1. To examine association amid democratic behavior, cognitive performance & personality development (H1 = Correlation).
2. To examine the influence of democratic behavior on cognitive performance of students in higher educational context (H2 = Regression).
3. To examine the influence of democratic behavior on personality development of students in higher educational context (H3 = Regression).

LITERATURE REVIEW

The study explores the impact of democratic behavior on cognitive performance and personality development, exactly focusing on psychological capital and effective commitment as mediators, is still growing field [26]. So, some studies have explored how participation in decision-making processes, which is a characteristic of democratic behavior, can influence cognitive performance [27]. These studies investigate effects of autonomy, empowerment, and involvement in decision-making on cognitive abilities such as problem-solving, creativity, and critical thinking. Research in personality examines how various factors, including social interactions and environmental influences, shape personality traits [28]. The democratic cultures value liberty, cooperation, and respect for varied lookouts may aid in development of personality qualities like agreeableness, openness, and conscientiousness. The psychological wealth is the student positive psychological condition of development, that includes resilience, optimism, hope, and self-efficacy [29]. Some research has looked into how participation in

democratic processes might boost psychological capital by allowing people to exercise autonomy, gain self-confidence, and develop a feeling of purpose and hope [30].

Effective commitment is defined as an individual's emotional attachment and dedication to an organization or because that extends beyond simply compliance or responsibility [31]. Besides, doing literature reviews and meta-analyses in adjacent domains like organizational psychology, educational psychology, and social psychology may shed light upon the mechanisms behind the connections between these factors that are vital in determining the attitude and behaviors of the concerned students. The democratic behavior inside organizations has a significant impact on individuals' cognitive performance and personality development, with psychological capital and effective commitment serving as key mechanisms for achieving these effects [32]. Understanding the intricate interplay of leadership styles, psychological processes, and individual results help organizations promote healthy work environments and maximize employee potential [33]. The study calls leadership style that promotes member participation and inclusion. The performance refers to variety of mental activities, including attention, problem solving, decision making, as well as creativity [20].

The democratic behavior in businesses can have a major impact on cognitive performance and personality change, environment inspires the open discussion and varied opinions. The cognitive performance mediates the relationship between democratic behavior, personality development, and organizational effectiveness [21]. By understanding how organizational practices influence cognitive functioning, allows firms to apply tactics that encourage the culture of cooperation, empowerment, innovation, ultimately leading to improved performance and well-being amid employees [26]. In the relationship between democratic behavior, personality development, and cognitive performance, cognitive performance serves as a mediator. It acts as a mechanism over which the positive effects of democratic behavior translate into improved cognitive functioning & positive personality traits [30]. Democratic cultures promote cognitive flexibility, problem-solving ability by fostering decision-making participation appreciating varied sentiments. The personality development is long-term process by which people learn develop enduring patterns of ideas, feelings, behaviors that create their particular features and traits [22]. This atmosphere promotes development of favorable personality traits like openness to experience, agreeability, and emotional stability [11].

The personality development serves as link amid democratic conduct, cognitive performance, and organization success. Institutions can use link between democratic conduct and personality development to foster pleasant and active workplace culture. Personality development is critical for mediating relationship amid democratic conduct, cognitive performance, and organizational outcomes [30]. Understanding how personality traits allows to develop methods positive work culture that inspires individual growth. The democratic behavior inside organization is linked with higher psychological capital. Improved cognitive function is associated with higher levels of psychological capital [7]. Psychological capital promotes personality of good characteristics like openness to experience, carefulness, agreeableness, and emotional stability [18]. Democratic behavior is linked to higher commitment. The students are likely to be devoted to transparent, and supportive [30]. The students who are passionately devoted to their goals and values are more likely to invest effort and energy into their tasks [24]. Both psychological and effective commitment for desired relationships between democratic behavior, cognitive performance, and personality development.

RESEARCH METHODOLOGY

In research, designing a study for research involves careful consideration of various elements to ensure the study is well-structured, methodologically sound, and capable of addressing

research questions and hypotheses [33]. Thus, developing a comprehensive research strategy is crucial for conducting effective and meaningful research. A well-thought-out strategy helps guide research process, ensures that research objectives are met, and enhances validity and reliability of the findings [34]. The research approach refers to strategy, plan that guides researcher in conducting the study. The choice of research approach is influenced by the nature of the research question, the available resources, and goals of current study [35]. In research, defining the population and determining the sampling strategy are critical steps that influence generalizability and validity of study [36]. Population is entire group of individuals, cases, or elements that meet the criteria for inclusion in study [38]. It represents larger group to which the research findings are intended to be applied. The population of interest in this study consists of students (2788) hailing from higher institutions, Punjab, Pakistan. The 350 sample was selected by using statistical formula for sample-size determination to select appropriate sampling wherein 340 questionnaires were recollected for analysis.

RESULTS OF STUDY

The results of study are presented in this section that are mainly the outcomes of the statistical procedures that are used to examine relationships among the research variables of study in order to extract the desired information and making the required decisions about relationships among research variables.

Table 1 Descriptive Statistics

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Democratic Behaviour	340	1.30	4.80	3.2143	.75604
Cognitive Performance	340	1.33	4.67	3.1333	.78313
Personality Development	340	1.63	4.70	3.3468	.61542
Valid N (listwise)	340				

Table 2 Correlation Analysis (H1)

Correlations				
		[1]	[2]	[3]
Democratic Behaviour [1]	Pearson Correlation	1	.297**	.636**
	Sig. (2-tailed)		.000	.000
	N	340	340	340
Cognitive Performance [2]	Pearson Correlation	.297**	1	.297**
	Sig. (2-tailed)	.000		.000
	N	340	340	340
Personality Development [3]	Pearson Correlation	.636**	.297**	1
	Sig. (2-tailed)	.000	.000	
	N	340	340	340
**. Correlation is significant at the 0.01 level (2-tailed).				

The association was hypothesized through first hypothesis that was examined over correlation to confirm strength & direction in association amid research variables like predictor (democratic behaviour), and criterion variables (cognitive performance & personality development). The results revealed that there exists significant association among research variable like democratic behaviour & personality development ($R = .636$ & $P = .000$), democratic behaviour and cognitive performance ($R = .297$ & $P = .000$), and personality development and cognitive performance ($R = .297$ & $P = .000$). and consequently, hypothesis about association is accepted from correlation results and outcomes.

Table 3 Regression Analysis (H2)

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of Estimate
1	.297a	.088	.085	.74893

Table 4 Regression Analysis (H2)

ANOVA						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	18.322	1	18.322	32.667	.000b
	Residual	189.582	338	.561		
	Total	207.904	339			

Table 5 Regression Analysis (H2)

Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.145	.178		12.075	.000
	Democratic Behavior	.308	.054	.297	5.715	.000
a. Predictors: (Constant), Democratic Behavior						
b. Dependent Variable: Cognitive Performance						

The prediction of cognitive performance was confirmed through regression procedure to further assure the cause-&-effect relationship through predicting variable like democratic behavior. The results of regression procedure provide important information in reaching the decision wherein significant results are predicted like 08.8% variance is occurred in cognitive performance over democratic behavior ($\beta = .308$ & P -values = .000), and hypothesis is accepted from the regression procedure and outcomes.

Table 6 Regression Analysis (H3)

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of Estimate
1	.297a	.277	.086	.74885

Table 7 Regression Analysis (H3)

ANOVA					
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Model		Sum of Squares	df	MS	F	Sig.
1	Regression	18.363	1	18.363	32.746	.000b
	Residual	189.541	338	.561		
	Total	207.904	339			

Table 8 Regression Analysis (H3)

Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	SE	Beta		
1	(Constant)	1.868	.225		8.305	.000
	Personality Development	.478	.166	.397	5.722	.000
a. Predictors: (Constant), Democratic Behavior						
b. Dependent Variable: Personality Development						

The prediction of personality development was confirmed over regression procedure to further assure the cause-&-effect relationship through predicting variable like democratic behavior. The results of regression procedure provide important information in reaching the decision wherein significant results are predicted like 27.7% variance is occurred in personality development over democratic behavior ($\beta = .478$ & P-values = .000), and hypothesis is accepted from the regression procedure and outcomes.

DISCUSSION

The individual performance and well-being inside businesses are significantly influenced by the psychological capital, which is made up of the positive psychological resources including self-efficacy, optimism, hope and resilience [14]. The studies indicate that executing the democratic practices in an organization can improve workers' psychological capital by creating the work environment that is both empowered and helpful [15]. Furthermore, the democratic practices may have an impact on the cognitive function and personality development through the effective commitment, is defined as employees' emotional attachment and dedication to the individuals' goals. The leadership, decision-making styles have emphasized participation, equality, inclusivity among group members [16]. In a democratic setting, individuals have a say in decision-making processes, and there's a collective effort to reach consensus or majority agreement [17]. This can include factors like temperament, character traits, attitudes & behavior as affective commitment refers to the psychological attachment or dedication that individuals have toward their roles, tasks, or organizations. It involves not only a sense of obligation or loyalty but also an emotional investment and identification with the goals and values of the group or organization toward the desired outcomes [18].

Now, to explore how democratic behavior might affect personality development, mediated by effective commitment. In democratic environments, individuals are encouraged to express their opinions, ideas, and preferences. This fosters a sense of autonomy and self-expression, which can contribute to the development of personality traits like confidence, assertiveness, and openness to new experiences. The democratic behavior promotes inclusivity and collaboration, leading individuals to feel a greater sense of belonging and identity within group and organization [19]. This sense of belonging strengthens effective commitment by fostering emotional connections and loyalty [20]. The participation in democratic decision-making processes involves statement, negotiation, and compromise. Through these experiences, individuals develop communication and conflict resolution skills, and professional growth

[21]. When the individuals feel that their opinions are valued and their contributions are meaningful, they are more likely to be motivated and engaged in their tasks or roles. As mentioned, democratic behavior refers to the leadership, decision-making styles characterized by inclusivity, participation and shared decision-making process [22]. In democratic environment, individuals have a voice, and emphasis on teamwork and equality [23].

Personality development encompasses the growth and changes in individual's personality traits, attitudes, and behaviors over time. The psychological capital refers towards individual positive psychological state of development characterized by key components: hope, efficacy, resilience, and optimism [24]. These components contribute to an individual's overall psychological well-being and resilience in the face of challenges. Thus, in democratic environments, individuals are often given opportunities to participate in decision-making processes and contribute their ideas and required perspectives. Consequently, higher levels of self-efficacy may support personality qualities including self-assurance, initiative, and tenacity [25]. A proactive diligent personality is developed over sense of efficacy and purpose. People's ideas and beliefs about justice, equality, and fairness be influenced by their exposure to the democratic ideals and practices [26]. These principles might become essential components of character, shaping their views and actions in different situations [27]. All things considered, there is complicated and nuanced relationship between behavior, personality growth, and commitment, while a students' personality can grow in democratic system.

CONCLUSION

The present study concludes that democratic behavior significantly contributes to both cognitive performance and personality development in students. In this linking, the democratic practices within educational settings, such as the participatory decision-making, respectful dialogue, and inclusivity, create an environment that encourages students to engage critically, take intellectual risks, and collaborate effectively. These practices positively impact the cognitive performance by enhancing skills like problem-solving, analytical reasoning, and adaptability. Furthermore, the exposure to democratic environments fosters essential personality traits, including emotional intelligence, resilience, and social awareness, that are integral to students' holistic development. The findings suggest that democratic behavior serves as a foundation for developing the well-rounded individuals equipped for both academic and personal success. This study highlights the importance of embedding democratic principles into the culture and leadership approaches of educational institutions to support students' intellectual and emotional growth. Consequently, embracing these practices may lead towards more engaged, thoughtful, and socially responsible graduates for success.

Recommendations

1. The institutions should adopt democratic behaviors in the classrooms and administrative operations. Inspiring collaborative decision-making, mutual respect fosters environment that enhances cognitive abilities and personality growth.
2. The programs should include content that emphasizes democratic values such as fairness, respect for diverse opinions, and collective responsibility. This thus can improve students' cognitive engagement and personal development.
3. Teachers and administrators should receive training on democratic leadership styles. This will help them create inclusive learning environments that promote student participation, critical thinking, and emotional intelligence.
4. Institutions should establish student councils and forums that allow students to actively participate in the decisions affecting their academic and social environment. This enhances their problem-solving skills and self-confidence.

5. Schools and universities should implement programs that focus on emotional intelligence, social skills & conflict resolution. These programs can strengthen students' interpersonal relationships and personality traits.

REFERENCES

- [1] Rajan S. Rationalizing Democracy: The Perceptual Bias and (Un)Democratic Behavior. *American Political Science Review*, 117(2), 474-496 (2023).
- [2] Kent, S., Erkan, S., & Seyfeli, Y. Development of Democratic Behavior Scale: A Validity & Reliability Study. *Theory and Practice in Child Development*, 1(1), 56–70. (2021).
- [3] Avey, J. B., Luthans, F. & Jensen, S. M. Psychological Capital: A Positive Resource for Combating Employee Stress and Turnover. *Human Resource Management*, 48 (5), pp. 677-693. (2009).
- [4] Chen, D. J. Q. & Lim, K. G. Strength in Adversity: The Influence of Psychological Capital on Job Search. *Journal of Organizational Behavior*, 33, pp.811–839. (2012).
- [5] Kaya, Ş. D. & Zerenler, M. Model Proposed to Determine: The Effects of Career Planning on the Relation Between Psychological Capital and Occupational Commitment. *The Journal of International Social Research*, 34 (7) 34, 865-874. (2014a).
- [6] Luthans, F., Avey, B., Avolio, B. J., Norman S. M., & Combs, J. M. “Psychological Capital Development: Towards a Micro Intervention”, *Journal of Organizational Behavior*, 27, pp. 387-393 (2006).
- [7] Luthans, F. & Youssef, C. M. Human, Social, and Now Positive Psychological Capital Management: Investing in People for Competitive Advantage. *Organizational Dynamics*, 33 (2), 143-160. (2004).
- [8] Peterson, S. J., Luthans, F., Avolio, B. J. & Zhang, Z. Psychological Capital and Employee Performance: A Latent Growth Modeling Approach. *Personnel Psychology*, 64, pp. 427–450. (2011).
- [9] Gerber, A. S., Huber, A., Doherty D., Dowling M., Raso C. & Ha E. ‘Personality Traits and Participation in Political Processes. *Journal of Politics*, 73 (3), 682–706. (2011).
- [10] Hibbing M.V., Ritchie M. and Anderson M. R. Personality and Political Discussion. *Political Behavior*, 33 (4), 601–24. (2011).
- [11] Mondak J. J., Hibbing M. V., Canache D., Seligson A. & Anderson M. R. ‘Personality and Civic Engagement: An Integrative Framework for the Study of Trait Effects on Political Behavior’, *American Political Science Review*, 104 (1), 85–110. (2010).
- [12] Mondak J. J., Canache D., Seligson M. A. & Hibbing M. V. The Participatory Personality: Evidence from Latin America’, *British Journal of Political Science*, 41 (1), 211–21. (2011).
- [13] Verhulst B., Hatemi P. K. and Martin N. G. ‘The Nature of the Relationship between Personality Traits and Political Attitudes’, *Personality and Individual Differences*, 49 (4), 306–16. (2010).
- [14] Wolfe R. N. and Johnson S. D. ‘Personality as a Predictor of College Performance’, *Educational and Psychological Measurement*, 55 (2), 177–85. (1995),
- [15] Hofstede, Geert and McCrae, Robert R., “Personality and Culture revised; Linking traits and dimensions of culture.” *Sage. Cross-Cultural Research*, 38, 13. (2004).
- [16] Khaskheli, N. A., Darya, M. H., & Memon, M. A. Relationship of Democratic Coaching Style with Character Building of Student-Players. *Global Educational Studies Review*, V(III), 123-132. (2020).
- [17] Charles L. David P. Hampton J., Ismail M. Paul, C. & Thomas J. Broxter, The effects of occupational stress on cognitive performance in police officers, Pages 463-477. (2017).

- [18] Baydar Arıcan, H. Ö. & Gökyürek, B. The Effect of Mental Training Skills on the Prediction of Athlete Students' Sports Commitment Level, *International Journal of Eurasian Education and Culture*, 7(18), 1562-1580. (2022).
- [19] Allemand, M., Hill, P. L., & Lehmann, R. Divorce and personality development across middle adulthood. *Personal Relationships*, 22, 122–137. (2015).
- [20] Bleidorn, W., Kandler, C., Riemann, R., Angleitner, A., & Spinath, F. M. Patterns and sources of adult personality development. *Journal of Personality and Social Psychology*, 97, 142–155. (2009).
- [21] Chapman, B. P., Hampson, S., & Clarkin, J. Personality-informed prevention and intervention for healthy aging. *Developmental Psychology*, 50, 1426–1441. (2014).
- [22] Hudson, N. W., & Fraley, R. C. Volitional personality trait change: Can people choose to change their personality traits, *Journal of Personality and Social Psychology*, 109, 490–507. (2015).
- [23] Lucas, R. E., & Donnellan, M. B. Personality development across the life span: Longitudinal analyses with a national sample from Germany. *Journal of Personality and Social Psychology*, 101, 847–861. (2011).
- [24] Roberts, B. W., & Jackson, J. J. Sociogenetic personality psychology. *Journal of Personality*, 76, 1523–1544. (2008).
- [25] Hoberts, B. W., Wood, D., & Caspi, A. The development of personality traits in adulthood. In O. P. John, R. W. Robins, & L. A. Pervin (Eds.), *Handbook of personality: Theory and research* (3rd ed., pp. 375–398). New York: Guilford Press. (2008).
- [26] Bandura A. *Social Foundations of Thought and Action: A Social Cognitive Theory*, Prentice-Hall, Englewood Cliffs, NJ. (1986).
- [27] Frega, R. Firms as coalitions of democratic cultures: Towards an organizational theory of workplace democracy. *Crit. Rev. Int. Soc. Political Philos.* 25, 1–24. (2022).
- [28] John L. Sullivan, Patricia G. Avery, Kristina Thalhammer, Wood & Bird. Education and Political Tolerance in the United States: The Mediating Role of Cognitive Sophistication, Personality, and Democratic Norms. *Review of Education, Pedagogy, and Cultural Studies*, 16:3-4, 315-324, (1994)
- [29] Charles L. Gutshall, David P. Hampton Jr., Ismail M. Sebetan, Paul C. Stein & Thomas J. Broxtermann The effects of occupational stress on cognitive performance in police officers, *Police Practice and Research*, 18:5, 463-477. (2017).
- [30] Lee, F. Mark bevir's democratic governance in radical democratic perspective. *International Journal of Organization Theory & Behavior*, 14(4), 554–575. (2011).
- [31] Emerson, R. M. The social exchange theory: Theory and practice. *Annual Review of Sociology*, 2, 335–362. (1976).
- [32] Yamane, T. *The Statistics: An Introductory Analysis*, 2nd Edition, The New York: Harper and Row. (1967).
- [33] Saunders, M., Thornhill, A., & Lewis, P. *Research methods for business students* (4th Edition), London: Financial Times Prentice Hall. (2007).
- [34] Zikmund, G., Babin, B., Carrid, C., & Griffin, M. *Business research methods* (8th Edition). Cengage Learning. (2010).
- [35] Ridenour, S., & Newman, I. *Mixed methods research: Exploring the interactive continuum*. Carbondale: Southern Illinois University Press. *Journal of Mixed Methods Research*. 3. 197-198. (2008).
- [36] Patton, Q. *Qualitative research & evaluation methods: Integrating theory and practice* (4th ed.). Thousand Oaks, CA: SAGE Publications. (2015).
- [37] Chawla, D., & Sondhi, N. *Research methodology: Concepts and cases*. New Delhi, India: VIKAS Publishing House. (2011).
- [38] Bryman, A., & Bell, E. *The Business research methods*. The Oxford University Press, USA. (2015).

- [39] Preacher, K. J., & Kelley, K. Effect size measures for mediation models: quantitative strategies for communicating indirect effects. *Psychological Methods*, 16(2), 93. (2011).