



Structural Equation Modeling of Transformational Leadership Style and Organizational Effectiveness whit Mediating Role of Organizational Commitment in the General Directorate of Youth and Sports of North Khorasan Province

M.Tavakkol¹ and H.Fahim Devin²

1. Department of Physical Education and Sport Science, Islamic Azad University, Mashhad Branch, Mashhad, Iran

2. Department of Physical Education and Sport Science, Islamic Azad University, Mashhad Branch, Mashhad, Iran

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ABSTRACT

The purpose of this study was structural equation modeling of transformational leadership style and organizational effectiveness whit Mediating Role of Organizational Commitment in the General Directorate of Youth and Sports of North Khorasan Province. The statistical population included 70 employees that using census, the total population was considered as the sample. Data collection method based on three questionnaires of leadership style MLQ, organizational effectiveness based on four essential functions of the social system of Parsons (AGIL) and organizational commitment of Allen and Meyer was done. Data analysis by using structural equation modeling whit software LISREL 8.8 and Smart PLS 2 in two parts, of the measurement model and structural section was performed. In the structure part, structure of the model coefficients were used to examine the hypotheses. The results indicate a significant and positive impact on organizational effectiveness of leadership style on the one hand and on the other hand a significant impact on relationship of commitment as mediating variable between transformational leadership style and organizational effectiveness.

Keyword:

leadership style,
organizational
commitment,
organizational
effectiveness

*** Corresponding author: Tavakkol**

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INTRODUCTION

The concept of effectiveness of the most important issues in the field of organizational behavior (Chaldory and Hauger, 1991). Experts and scholars believe that the main theme in all the analyzes of organizational effectiveness and organizational perspective without effectiveness is difficult (Kazemi, 1995). The effectiveness of the authorities' attention to the development of organizational theory (Payadymtrv and Taylor, 2000) and effectiveness consider the main issue on the physical environment (Kazemi, 1995). Management and Organizational Behavior scholars said Effectiveness to define the achievement of organizational goals (Mian et al., 2008). Sports organizations, as custodians of the sport, playing the main role in the development, promotion and development of sports, in both the sport for all and the championship. Required to achieve the objectives listed, in sports organizations, is that these organizations operate effectively, and act effectively, they will be able to successfully manage the country's sports system, and be close to optimal effectiveness (a Vityoatanakhoan, 1998). Due to vast changes in the world today, and intensifying competition, considered by many researchers to design appropriate strategies for effective and prompt implementation and effective organization that has been drawn. Sports organizations is also not an exception. From the most important factors influencing the effectiveness of organizations can be referred to the commitment and leadership styles. Due to the performance and effectiveness of employees affected by various factors such as job satisfaction and organizational commitment and more. Organizations need effective and efficient commitment of staff and employees so they can achieve their goals for growth and comprehensive development. (Ismaili, 1995). Luke and Latham (1999) acknowledged, when in some people feel an aversion to work, has no interest in serving the customer and organizational effectiveness is reduced and thereby reducing their commitment to the organization, low productivity and ultimately the wrong absence and displacement increases (Mac Dormot et al., 1996). It seems that between organizational commitment and efforts of employees as well as the relationship between organizational commitment and performance exist. Increasing organizational commitment makes people work better and have a better performance. Logically, one can assume that the tendency of employees to participate in organizational effectiveness and help it influence the nature of the commitment that possess (Ashraf, 1994). Research findings Orovyn and colleagues (1990) demonstrated competence and commitment should be added to variables that can affect work performance. Director is located in top of the organization as the official representative of the organization to coordinate and increase the efficiency. Success in achieving the goals depends on how effective management and leadership styles of manager. Director of the organization's leadership role, will can select different styles in guiding staffing. Administers behavioral patterns in any organization, creates strong motivation and morale among the staff, and increases the satisfying them from the their profession. Administrators can use the leadership style and organizational commitment to employee effectiveness and productivity of their

organization (Ismaili, 1995). History of leadership also shows, emphasis on proven methods in all positions, and his rejection of organizational changes did not correlate with the development and even the existence of the organization. Director or Head of behavior that must assume a leadership role can be based on thoughts, feelings and desires affect the employees under their supervision. These thoughts and feelings stimulate and guide the behavior of the employees, so leadership as a catalyst and motivate employees affects the efficiency of the work (Bahrololumi, 1998). The results of research show that transformational leadership has created a great incentive on their followers, will can improve their performance (Amir Kabir et al., 1385). Also, this type of leadership increases confidence and attention followers, is to stimulate their intrinsic motivation (Young, 2007). And that they are thus led them beyond their personal needs, with the ability to achieve their organizational goals (Burka and Collins, 2001). The results of research shows that transformational leadership, in contrast to other styles of leadership have significant positive effect on the work motivation, performance, organizational success, job satisfaction, organizational commitment, efficiency, effectiveness and organizational productivity. Burton and Pichi findings (2009) showed that sports leaders with transformational style, in contrast to sports leaders with a pragmatic style to organizational outcomes (satisfaction, effectiveness and extra effort) should achieve. Similarly, the results Zyrasger, Samuels and Astoskof (2005) showed that transformational leadership style compared to other leadership styles (functional and nonfunctional) and a stronger significant positive correlation with efficacy, job satisfaction and the extra effort. The findings of Negan and colleagues (2006) showed that transformational leadership on organizational outcomes (such as organizational behavior, organizational commitment, job satisfaction, organizational effort and performance) affect a significant effect. In general, the results, and Roald Rohman (2009), Burton and Pichi (2009), Zyrasger et al (2005), Hesu (2002) and Doherty and Daniel Chuck (1996) showed that transformational leadership significantly stronger positive impact on its effectiveness.

According to the research literature and previous study mentioned earlier, some researches know the effectiveness of transformational leadership style influence, direct or indirect (through organizational commitment). Some research, impact on the effectiveness of organizational commitment, verification, and others have rejected. The majority of research on the effect of transformational leadership style and organizational commitment, organizational effectiveness, individually researched, and the effects have not been studied at all three variables together. Since the departments of Youth and Sports are the main sports authorities, it seems to variables such as organizational commitment, leadership style and effectiveness in these organizations be investigated. According to the literature because literature, it seems appropriate interaction between organizational commitment and leadership styles will lead to enhance organizational effectiveness in sport organizations and youth.

METHODOLOGY

This descriptive correlation study that was conducted using structural equation modeling. 66 people of the total 70 (96%) of the Directorate General of Youth and Sports of North Khorasan Province, were selected as samples, and transactional leadership standard questionnaire Bass and Avolio (1990), reliability (0.89) , questioning the effectiveness of Parsons et al (1385) with downstream (0.82) and organizational commitment questionnaire Allen and Meyer (1990), reliability (0.92) responded. To analyze the data, descriptive statistics, mean, standard deviation, frequency, percentage and graphs and tables to summarize

and classify data were used. To examine data distribution of Kolmogorov - Smirnov (k-s) and to evaluate the homogeneity of variance Levene test was used. In order to assess the validity from credibility factor is used. To investigate the relationship between latent (hidden) and the observed variables the confirmatory factor analysis and to examine the structural model (the relationship between latent variables) were used path analysis. Data analysis software LISREL and PLS 2 smart with a confidence level of 95% was used.

FINDING

Table 1. Descriptive statistics for the variables studied in this research

	Mean	Standard Deviation	1	2	3
organizational commitment	3.12	0.492	0.96		
Transformational leadership	2.71	0.491	0.540	0.92	
Organizational Effectiveness	3.01	0.704	0.732	0.637	0.96

KMO and Bartlet test

Factor analysis is required before performing the following assumptions be met:

1. To determine the adequacy of the sample size of test Kaiser - Meyer - Okin (KMO) was used. Since KMO value

for all three instruments used were larger than 0.6 (Table 3), so factor analysis can be performed.

2. Minimum requirement for factor analysis using Bartlett's test. According to Table 3 indicate that in all three cases is significant Bartlett's test, so there are minimum requirements for factor analysis.

Table 2. KMO and Bartlet test

Index	suitable amount	Values obtained		
		Transformational leadership	Organizational commitment	Organizational Effectiveness
KMO	More than 0.6	0.000	0.000	0.000
Bartlet	Less than 0.05	0.954	0.956	0.974
Result		Suitable	suitable	Suitable

Next, using the software LISREL, confirmatory factor analysis was used to assess measurement models study. If these conditions are met, the model has a good fit:

- Achieved a significant level of chi-square test (P-value) is greater than 0.05.
- Ratio chi-square test to be less than 3 degrees of freedom.
- Value and root mean square error of approximation (RMSA) is less than 0.05.
- The comparative fit index (CFI), fit index (GFI), a modified fitness index (AGFI) and non-soft fit index (NNFI) is greater than 0.9.

Table 3. Goodness of Fit conceptual model

AGFI	0.944
GFI	0.940
X2	113.55
Degree of freedom	51
X2 on Degree of freedom	2.23
RMSA	0.028
P-value	0.072

The P-value equal to 0.072, the RMSA statistics 0.028, and the chi-square (113.55) on the degrees of freedom (51) is also 2.23 and also less than 3. output results show the GFI and AGFI obtained 0.944 and 0.940 of the value of and the measurement models of the three main research structures have an acceptable fit. Cause and effect relationship between leadership style and organizational effectiveness, leadership style and commitment and ultimately organizational commitment and organizational effectiveness in terms of the structural model and smart PLS 2 has been measured.

As Figure 2 shows, the relationship between the three main structure of meaningful and direct; thus, leadership style, on organizational effectiveness positive impact significant (H1), which according to standardized coefficients output software smart PLS, 0.72 of changes in organizational effectiveness leadership style is forecast. The impact of leadership on organizational commitment (hypothesis 2) as well as the effectiveness of organizational commitment (Hypothesis 3) is significant and positive. Coefficients causal pathway between the main structure of research showing the impact of direct and indirect (through mediator variable of organizational commitment) is effective on leadership style. So that a direct impact on the amount of 72%, indirect impact on the amount of 20% (49% × 41%) and the total impact of 92% (20% + 72%) has been explained. To confirm the hypothesis of the command Bootstrapping, software was used smart PLS, which shows the output coefficients t (Figure 3). When the values of t, the interval is more than 96/1 + and less than 96 / -1 are indicative of the significance of the relevant parameters, and subsequently supported the hypothesis (, Esposito-Vinzi et al2010). As Figure 5 shows, t coefficients between research structures, all of 96.1, which indicates the acceptance of the research hypothesis.

Figure 1. Standardized coefficients

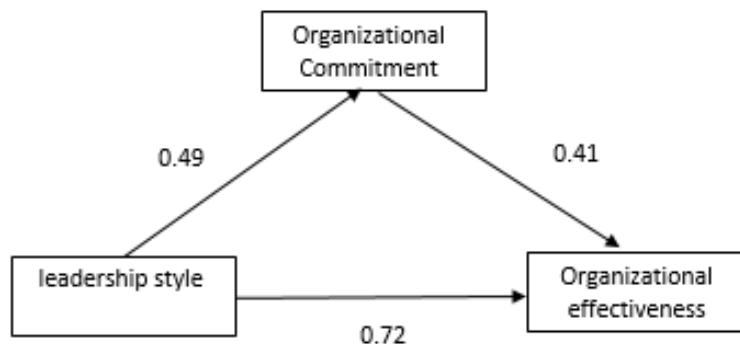
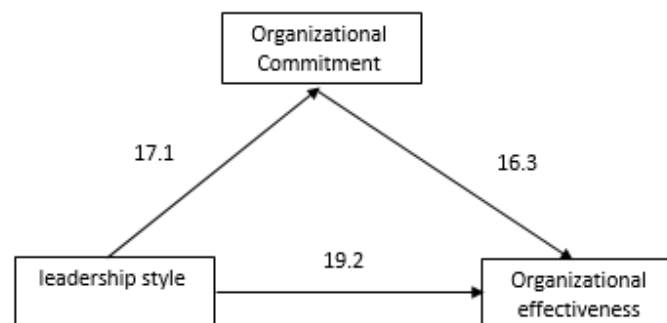


Figure 2. T coefficients



CONCLUSION

Organizations with increased environmental dynamism as well as today's competitive world, have to change their internal structure to adapt better to the environment. Survival of the organization in such a competitive environment requires flexibility and agility of organizations. One of the important indicators that managers always faced at the top level organization, accepting the organization's values, and involvement in the organization, and motivation and desire to continue working in the organization, by employees, which will look at the concept of commitment. On the other hand, the organizations to compete in today's turbulent world and existence and hope for progress in the future requires organizational effectiveness to maintain their competitive advantage. And this occurs through managers with appropriate leadership style that will help rather than a hindrance to the growth of organizational commitment.

The main hypothesis is that leadership style has an impact on organizational effectiveness: effective leadership style should be a path to the efforts of all employees to accomplish the goals of the organization. Without leadership may be the link between individual and organizational objectives is weak and fragmented. This can lead to undesirable situations where individual work, only to be done in order to achieve the individual goals, and meanwhile, the organization lost its effectiveness and

efficiency, and failed to the achievement of its objectives. This hypothesis has been confirmed in this study, because as has been indicated, leadership styles, on organizational effectiveness, has a significant positive impact, and according to Standard output coefficients software smart PLS, 72% of the effectiveness of the changes predicted by the leadership style. So an organization that managers' leadership style appropriate to their own organization, can increase staff efficiency and increased organizational effectiveness.

As a result of the first hypothesis, has shown leadership style has an effect on organizational commitment. The first step in the organization's commitment, set goals, values and beliefs of the organization, and values of the organization and individual employees fit together by the leaders of the organization. And after that there was a commitment to the organization, to create a similar experience for staff, from within the organization, measures taken to preserve it. In fact, the leaders of the organization through words and actions, specifies benchmarks. This benchmarks is that relation to how much the staff cares? How to give employees freedom, and so on. Items listed makes the commitment form that can increase efficiency and productivity. This hypothesis has been confirmed in this study because, as results showed a positive and significant impact of leadership on organizational commitment that standard software output coefficients smart PLS, 49% of

change of organizational commitment is expected by leadership style.

In this regard, we can say that transformational leadership would be valuable results, including the leaders, with a vision, goals and fundamental values improve empowerment, development of skills, team building, change, organizational learning and as well as the strategic orientation. Thus, it can be concluded that the Director-General examined to benefit from transformational leadership style can help with the development of organizational commitment to grow the organization. The results of this hypothesis with the findings of Winter and Soros (2002), Slegrez and Dnyson (2006), Volamba (2005), Tamrin (2012) is consistent.

Consequently, the second hypothesis, suggests the influence of organizational commitment on organizational effectiveness. The Organizational effectiveness is one of the goals and aspirations. And organizations in the field, should create the necessary context, and most important factors that have a significant role, is organizational commitment. In general, organizations can agree on values and beliefs of the organization, create acceptance for change, coordinating and aligning individual and organizational objectives, to increase the effectiveness. Planners also can not measure the increase organizational effectiveness, regardless of organizational commitment. Because increasing the effectiveness of the individual, if the individual has the commitment of his organization is to be found, and in fact organizational commitment is a key element in increasing or decreasing organizational effectiveness. This hypothesis has been confirmed in this study because, as results showed a positive and significant impact on organizational effectiveness commitment that the standard output coefficients software smart PLS, 41% of the effectiveness of the changes is predicted by the commitment. Therefore, organizational commitment can be achieved through employee empowerment, namely giving autonomy, initiative and ability to handle the job, align staff values with the values of the organization, ensuring organizational justice, and create an emotional attachment between employees and the organization, led to employees feel responsible And this causes the staff to meet organizational goals and interests and their serious effort. Also, as a means of increasing organizational effectiveness, having knowledge of the issues by staff, organizations can develop the capabilities of their employees, so that they are sustainable in the competition.

According to the findings, offered suggestions to the Directorate General:

Through intellectual stimulation attempt to challenge the thoughts, imagination and creativity and knowledge of the values and beliefs of the followers. This requires that leaders, followers lead towards retesting the traditional way to solve problems.

Through the establishment of system of offers and think, ideas, experiences, successful or unsuccessful, solutions and innovations and new strategies in this area collected and evaluated certainties (This increases the commitment and effectiveness).

REFERENCES

- Al- Hawari, M., Hartley, N., & Ward, T. (2005). Measuring banks' automated service quality: A confirmatory factor analysis approach. *Marketing Bulletin* 16, 1–19.
- Avolio, B. J., Bass, B.M., & Jung, D. I. (1995). MLQ multifactor leadership questionnaire, Technical Report, Redwood city, CA: Mindgarden.
- Blackhurst, A.E., Brandt, J.E., and Kalinowski, J.(1998). Effect of career development on the organizational commitment and life satisfaction of women student affairs administrators. *NASPA journal.*, 36, 19-34.
- Burke, S. & Collins, K.M. (2001). Gender differences in leadership styles and management skills. *Women in Management Review*, 16(5), 244-256.
- Burton, L. J., & Peachey, J. W. (2009). Transactional or transformational? Leadership preferences of Division III Athletic Administrators. *Journal of Intercollegiate Sport*, 2, 245-259.
- Chelladurai, P., & Haggery, T. R. (1991). Measures of organizational effectiveness of Canadian national sport organizations. *Canadian Journal of Sport Science*, 16(2), 126-133.
- Doherty, A.J., & Danylchuk, K. E. (1996). Transformational and Transactional Leadership in Interuniversity Athletics Management. *Journal of Sport Management*, 10(3), 292-309.
- Hair, J.F., Black, B., Babin, B., Anderson, R.E., Tatham, R.L. (2005). *Multivariate Data Analysis*, sixth ed. Pearson Education Prentice- Hall, Upper Saddle River, NJ.
- Hsu, C. H (2002). The structural equation modeling analysis of transformational leadership, organizational culture and organizational effectiveness. (Doctoral dissertation). Retrieved from ProQuest Dissertation and Theses database. (UMI No. 3068062).
- Lock, E. A. , & Lathman, G. P. (1990). Work motivation and satisfaction: Light at the end of the tunnel. *Psychological Science*, 1(4), 240-246 .
- McCormick, C. A.(2000). A Study of the job Attitudes (job Satisfaction, Organizational Commitment, and Career Commitment) and Career Adaptability of Members of the Library and Information Science Profession. Unpublished doctoral dissertation , Virginia : George Mason University, Fairfax.
- McDermott, K. , Laschinger, H. K. S. , & Shamian, J. (1996). "Work empowerment and organizational commitment". *Nursing Management*, 27(5), 44-47 .
- Mian, Z., Hai, L., & Jun, W. (2008). Examining the relationship between organizational culture and performance: The perspectives of consistency and balance. *Front Business Research China*, 2(2), 256–276.
- Mowday , R.T.(1998) .Reflections on the study and relevance of organizational commitment. *Human resource management review*, 4 , 8.
- Mowday, R., Steers, R., & Porter, L. (1979). The measurement of organizational commitment. *Journal of Vocational Behavior*, 14, 224- 247.
- Nunnally, J.C., & Bernstein, I. H. (1994). *Psychometric Theory*. McGraw-Hill, New York.

- Papadimitriou, D., Taylor, P. (2000). Organisational effectiveness of Hellenic national sports organisations: A multiple constituency approach, *Sport Management Review*, 3, 23–46.
- Rehman Toor, S., & Ofori, G. (2009). Ethical leadership: Examining the relationships with full range leadership model, employee outcomes, and organizational culture. *Journal of Business Ethics*, DOI 10.1007/s10551-009-0059-3.
- Riaz, A., & Haider, M. H. (2010). Role of transformational and transactional leadership on job success and career satisfaction. *Business and Economic Horizons*, 1(1), 29-38.
- Rowold, J., & Rohmann, A. (2009). Relationships between leadership styles and followers' emotional experience and effectiveness in the Voluntary Sector. *Nonprofit and Voluntary Sector Quarterly*, 38(2), 270- 286.
- Shim , S., Lusch , R.F., and Goldberry , E.,(2002).Leadership style profiles of retail managers.personal,organizational and managerial characteristics. *International journal of retail distribution management*,4 ,4.
- Tejeda, M.J., Scandura, T.A., & Pillai, R. (2001). The MLQ revisited: Psychometric properties and recommendations. *Leadership Quarterly*, 12(1), 31-52.
- Thamrin,H.M.(2012). The influence of transformational leadership and organizational commitment on job satisfaction and employee performance. *International Journal of Innovation,Management and technology*,5, 3.
- Vinitwatanakhun, W. (1998). Factors Affecting Organizational Effectiveness of Nursing Institutes in Thailand. The National Institute of Development Administration, Bangkok, Thailand.
- Walumbwa, F.O., Orwa, B., and Wang, P., and Lawler, J.J.(2005).Transformational leadership,organizational commitment, and job satisfaction: a comparative study of Kenya and U.S. financial firms . *Human resource development quarterly*,2 ,16,235-256.
- Winter, R., Sarros, J.(2002).The Academic Work Environment in Australian Universities: A Motivating Place to Work?. *Higher Education Research and Development*,3, 21 , 241-258.
- Xirasagar, S., Samuels, M. E., & Stoskopf, C. H. (2005). Physician Leadership Styles and Effectiveness: An Empirical Study. *Medical Care Research Review*, 62(6), 720-740.
- Yang, Y. N. (2007). A study of the relationship between students' perceptions of goal orientation and physical education teacher leadership styles in Taiwan.(Doctoral Dissertation). Retrieved from ProQuest Dissertation and Thesesdatabase. (UMI No. 3297163).