CONSTRCTNS AND LOYALTY OF THE PARTICIPANTS IN RECREATIONAL DANCING ACTIVITIES

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Abstract

The aim of this work was to examine the factorial validity of the «leisure constraints scale» by Alexandris and Carroll (1997a) and the investigation of the relationship between the constraining factors of attendance and the participants’ loyalty to leisure dancing activities. The sample of the study was 318 adults who participated in traditional dancing classes organized by cultural associations. The «leisure constraint scale» (Alexandris & Carroll, 1997a) and a conversion of the «loyalty» subscale was used for the investigation of the constraining factors and loyalty as suggested by Zeithaml, Berry and Parasuraman (1996). The data supported the factor structure and the internal consistency of the leisure constraints scale. It was also found that there is a reverse relation of loyalty with five factors of the leisure constraints scale. Generally, it appears that the participants experience the constraining factors of attendance to dancing activities with low intensity.

Keywords: Dancing Activities; Constraints; Loyalty.

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1. Introduction

One of the recreational activities, which meet with significant success in Greece, is traditional dancing. Attendance to dancing activities pertains to the individual’s need for entertainment, social association, physical fitness, artistic work, and also to his cultural substratum. The interested parties attend the specific activity through hundreds of cultural associations, municipal organizations, “Centres for Open Protection of the Elderly” and private dancing academies. The number of adults who participate in dancing activities has been constantly increasing in recent years. Thus, adults with different dancing experience, educational level and age environ the dancing activities (Filippou, Goulimaris, Baxevanos & Genti, 2010) and improve their quality of life (Zisi,Gianni, Bougiesi, Pollatou & Mihalopoulou, 2014). Moreover, many foreign subjects
from the mid 70s’ until today attend dance-learning seminars in Greece, which they combine with their holidays (Filippou, Goulimaris, Mihaltsi & Genti, 2010).

The large participation of individuals increases significantly the work market for those directly involved with dancing and also constitutes a significant «fountain» of customers which shall have to be invested with extra care and attention by the boards of the organizations developing relevant activities.

Despite the increasing number of attendance, the academic studies regarding the reasons of attendance or inhibition in dancing activities are small. The investigation of the reasons that discourage adults from participating in dancing activities is necessary so as to maximize and attract a larger number of adults. The studies that have been conducted and the academic framework that has been developed concerning the factors that suspend attendance to recreational activities constitute useful tools for studying the reasons that prevent adults to participate in dancing activities. In recent years a large number of studies have been conducted with the aim of investigating the reasons that suspend or limit the individuals’ participation in recreational activities or physical activities (Alexandris, Kouthouris, Funk & Chatzigianni, 2008; Andronikidis, Vassiliadis, Priporas & Kamenidou, 2007; Crawford & Godbey, 1987; Crawford, Jackson & Godbey, 1991; Godbey, 1985; Hawkins, Peng, Hsieh & Eklund, 1999; Hinch & Jackson, 2000; Palen et al., 2010; Parker, 2007; Pinto, Marcus & Clark, 1996; Shinew, Floyd & Parry, 2004; Shogan, 2002; Stodolska & Shinew, 2010; White, 2008).

A particular field of studies on recreation concerns the constraints of attendance (Jackson, 1991; Samdahl & Jekubovich, 1997). Several researchers have defined the concept of constraining factors of attendance to recreation. Their common perception is that they constitute the factors that individuals perceive as those which suspend, limit or prevent their attendance to recreational activities (Alexandris & Carroll, 1999; Alexandris et al. 2008; Hudson, Hinch, Walker & Simpson, 2010; Jackson, 1988; 1991; 1991a; 1993; 2000; Jackson & Herderson, 1995; Kouthouris, Kontogianni & Alexandris, 2008; Theodorakis, Alexandris, Panopoulou & Vlachopoulos, 2008). The constant and increasing interest in recreational constraints led to the creation of models that construe the way that they influence attendance in recreational activities. A classic classification model of recreational constraints, widely accepted by the researchers, was proposed by Crawford and Godbey (1987) and pertains to the preferences and the individuals’ attendance. The model distinguishes among three categories of constraints. The intrapersonal constraints «include psychological states and attributes of the individual which interact with the preferences of recreation. For instance stress, religiosity, low self-esteem, depression, perceived self-skill, prior socialization into leisure activities and the suitability of recreational activities as perceived by the individual». The interpersonal factors «are a result of interpersonal interactions or of the relation between the personal characteristics». The difficulties in finding fellow practitioners or company so as to attend the recreational activities are examples of this. The structural constraining factors "are factors that intervene between leisure preference and participation", for instance, the financial resources, the opportunities for participation in activities, the climate, the lack of facilities, etc.

In 1991 Crawford, Jackson and Godbey developed the above model suggesting that the individual experiences hierarchically the constraints during the decision procedure as far as attendance to recreational activities is concerned. The intrapersonal constraints constitute the most powerful
obstructions to the participation in activities. The interpersonal factors follow while the structural constraints possess the least power of influence. Subsequent studies have confirmed the rank of significance of the constraints (Alexandris & Carroll, 1997a; 1997b; Raymore, Godbey, Crawford & Von Eye, 1993). Jackson, Crawford and Godbey (1993), developing further the model, elaborated on an alternative approach of the constraints which holds that attendance to recreational activities depends on the negotiation of the constraints and not their lack. Negotiation may achieve a modified attendance of the individual to activities and not lead him to their rejection.

The researchers’ interest has turned to the culture’s influence on leisure constraints examining the validity of the constraints model in populations with different culture (Dong & Chick, 2012). Some researchers presume that culture constitutes a factor that influences the theories and the study of the human behavior (Hudson et al. 2010; Matsumoto & Yoo, 2006). Some studies support that culture influences the recreational constraints (Chick, Hsu, Yeh, 2015, Hudson et al. 2010; Walker, Jackson & Deng, 2007; 2008) while Chick and Dong (2003) state that new constraints categories should be added to the hierarchical model considering that culture is a category of constraints which amplifies the model’s reliability when applied to different societies.

There is a lack of studies in Greece as far as the constraints of attendance to culture and dancing activities is concerned. From the few relevant studies Theodorakis, Alexandris, Panopoulou and Vlahopoulos (2008) found that constraints play a significant part to the prediction of the involvement level to dancing activities. The studies that exist focus mainly on the investigation of the constraints in the field of physical activity and sports (Alexandris & Carroll, 1997a; Alexandris & Carroll, 1999; Alexandris, Grouios, Tsorbatsoudis & Bliatsou, 2001; Damianidis, Kouthouris & Alexandris 2007; Kouthouris, Alexandris & Goltsios, 2005; Kouthouris et al., 2008; Kouthouris, Tzouvista & Alexandris, 2006; Masmanidis, Gargalianos & Kosta, 2009).

Some researchers examined the constraints in relation to the individuals’ demographic characteristics (Alexandris & Carroll, 1997b; Avourdiadou, Alexandris & Kouthouris, 2007; Kouthouris et al., 2005) while some others in relation to their motivation (Alexandris, Kouthouris & Girgolas, 2007; Alexandris, Tsorbatzoudis & Grouios, 2002; Carroll & Alexandris, 1997). Furthermore, in recent years studies are conducted about the negotiation of the constraints (Alexandris et al. 2007; Kouthouris, Alexandris & Boudolou, 2005).

For the managers and the managerial staff the knowledge of the behavioral intentions of the clients is important because it is the closest correlating factor with choice behaviour (Warshaw, 1980). According to Zethaml, Berry and Parasuraman (1996), the behavioral intentions are «indicators that signal whether customers will remain with or defect from company». The researchers themselves in order to better measure the notion divided it in favorable and unfavorable behavioral intentions. The favorable behavioral intention means that the clients have close ties with the company or the service.

In the multidimensional model of Zeithaml et al. (1996) loyalty is one of the dimensions of the favorable behavioral intentions. Ostrowski, O’ Brien and Gordon (1993), specify it as the product or the service that the customer chooses among other products or services. When we refer to the services, customer loyalty is defined as the observed behavior (Bloemer, Ruyter & Wetzels, 1999; Liljander & Strandvik, 1995).
In the field of recreation the creation of customer loyalty is a significant aim that brings many benefits to the organizations. Besides, the preservation of the existing customers costs less than attracting new ones (Zeithaml & Bitner, 2006). Loyalty is expressed in several ways like when the customer keeps «buying» by the organization, increases his attendance in the future or shows his preference to it (Zeithaml et al, 1996).

There are a large number of studies about the relation of loyalty, interference and quality of the services in many products and services. In the field of recreation and sports the notion of loyalty constituted a subject of research for many researchers (Alexandris et al., 2008; Alexandris, Kouthouris & Meligdis, 2006; Filo, Funk & Alexandris, 2008; Funk & James, 2006; Gladden & Funk, 2001; Kolbe & James, 2002; Mahony, Madrigal & Howard, 2000; Papadopoulos, Theodorakis & Alexandris, 2004; Yuksel & Yuksel, 2007). Within the skiing framework, Alexandris et al. (2008), examine the relation among the leisure constraints, skiing involvement and skiing loyalty. They found that skiing loyalty is influenced by the two dimensions of interference (centrality & attractions) and by the constraints. More specifically the intrapersonal constraints influence loyalty negatively.

Kontogianni, Kouthouris, Barlas, and Voutselas (2011), examining the relationship between the involvement and loyalty of recreational swimmers in Greece with a sample of 349 people, showed that only the two dimensions of involvement, attraction and centrality predicted loyalty as attitude of the participant.

The aim of the study was twofold. Firstly, to examine the factorial validity of the «leisure constraints scale» by Alexandris and Carroll (1997a), in the field of traditional dancing, and secondly, the investigation of the relationship between the constraining factors of attendance and the participants’ loyalty to corresponding traditional leisure dancing activities.

Two inquiring hypothesis were examined. a) The confirmative factorial analysis supports the model of the seven constraints and the internal consistency of all subscales is satisfactory. b) There is a statistically negative significant relation among the seven dimensions of the constraints of attendance to recreational activities (Alexandris & Carrol, 1997a) and to loyalty.

**2. Methods**

**Participants**
In the study answered 318 adults who participated in traditional dancing classes organized by the cultural associations. The associations were non-profit organizations. The choice of the sample was made using the method of random sampling. From the sample 120 (37, 7%) were men and 198 (62, 3%) women. The average age was 37, 6 years (S.D. = 12, 2) and their age ranged between 18-69 years.

**Measurement Instruments**
The «leisure constraints scale» by Alexandris and Carroll (1997a) was used for the evaluation of the constraints of attendance. The instrument reliability and validity has been tested successfully in a variety of leisure studies in Greece and internationally (Alexandris et al., 2007; Alexandris & Stodolska, 2004; Damianidis, Kouthouris & Alexandris, 2007).
Permission was given to use the scale. The questionnaire included a total of seven factors having three questions each. The factor «Lack of Time» e.g. “I do not have any time due to work obligations”. The factor «Individual / Psychological» e.g. “Dancing tires me”. The factor «Lack of Knowledge» e.g. “I do not have anybody to teach me the activities of the traditional dancing that I want”. The factor «Facilities» e.g. “the facilities where we dance are poor”. The factor «Access / Financial» e.g. “I do not own a means of transport”. The factor «Lack of Partners» e.g. “My friends are not interested in dancing”. Finally, the factor «Lack of Interest» e.g. “Traditional dancing is not one of my priorities”. The answers were given in a seven degree Likert scale ranging from «not significant» (1) to «very significant» (7). A questionnaire by Zeithaml et al. (1996), was used to evaluate the notion of customer loyalty. The instrument reliability and validity has been tested successfully in a variety of leisure studies in Greece (Papadopoulos, Theodorakis & Alexandris, 2004). This instrument was used after conversion and differentiation e.g. «Is there any possibility to make positive comments to other individuals for their attendance to traditional dancing classes». The answers were given in a seven degree Likert scale from «exceptionally impossible» (1) to «exceptionally possible» (7).

Procedure
The participation in the study was voluntary and the filling in of the questionnaire was anonymous. Firstly, the participants were informed about the aim of the study and the way of filling in the questionnaire, that there are not right or wrong answers and that their answers would be used exclusively for the study’s needs. They answered in the questionnaire at the place of the associations at the beginning of the dancing activity.

3. Results

Confirmatory Factor Analysis
The factorial validity of the Leisure Constraints Scale (Alexandris & Carroll, 1997a) was examined with Confirmatory Factor Analysis using the EQS (Bentler, 1995). Skewness values ranged from -.21 to 1.93 and item kurtosis ranged from -1.27 to 2.55 for the Leisure Constraints items and Mardia’s coefficient of multivariate kurtosis was 178.57. The maximum likelihood method of estimation was employed. Results indicated an acceptable fit of the model to the data: X² = 381.79, df = 168, p < .001, NNFI = .931, CFI = .945, SRMR = .059, RMSEA = .063. CFA item statistics for the seven dimensions of the Leisure Constraints Scale are presented on Table 1.

| Variables           | Skewness | Kurtosis | Factor Loadings | Error Term | Item Variance Explained (%) |
|---------------------|----------|----------|-----------------|------------|-----------------------------|
| Lack of Time 1      | -.21     | -1.27    | .81             | .58        | .66                         |
| Lack of Time 2      | -.07     | -1.24    | .90             | .43        | .81                         |
| Lack of Time 3      | .20      | -.99     | .64             | .76        | .41                         |
| Psychological 1     | 1.44     | .77      | .79             | .60        | .63                         |
| Psychological 2     | 1.93     | 2.55     | .86             | .50        | .74                         |
| Psychological 3     | 1.32     | .81      | .80             | .59        | .64                         |
| Lack of Knowledge 1 | 1.20     | -.34     | .63             | .77        | .40                         |
| Lack of Knowledge 2 | 1.06     | -.38     | .87             | .49        | .75                         |
| Lack of Knowledge 3 | 1.03     | -.32     | .90             | .43        | .81                         |
Facilities 1   .67   - .88   .77   .63   .60  
Facilities 2   .81   - .38   .70   .70   .50  
Facilities 3   .68   - .70   .84   .53   .71  
Access / Financial 1 1.01   - .41   .72   .69   .52  
Access / Financial 2  .83   - .81   .79   .60   .63  
Access / Financial 3  .68   - .54   .78   .62   .61  
Lack of Partners 1 1.03   - .26   .91   .40   .83  
Lack of Partners 2  .90   - .59   .96   .26   .92  
Lack of Partners 3 1.07   - .23   .81   .58   .66  
Lack of Interest 1 .66   - 1.17   .78   .61   .61  
Lack of Interest 2 .52   - 1.30   .89   .44   .80  
Lack of Interest 3 .75   - .97   .80   .58   .65  

Descriptive Statistics and Reliability
Cronbach’s alpha values were satisfactory for all seven leisure constraints dimensions: Time .82, Individual / Psychological .85, Lack of Knowledge .83, Facilities .81, Accessibility / Financial .80, Lack of Partners .92, Lack of Interest .86. Internal consistency reliability was also satisfactory for the Loyalty scale .79. Respondents rated Lack of Time as the main constraint for expressing loyalty to the programs (M = 3.91). On the other hand, the Individual / Psychological constraint received the lowest means score (M = 2.14). The loyalty factor presents a very high average (M = 6.07). Finally, bivariate correlations among the seven dimensions of leisure constraints and loyalty indicated that the dimensions of Lack of Time, Lack of Knowledge, Facilities, Lack of Partners and Lack of Interest were statistically negatively correlated with participants’ loyalty to the programs.

The means, standard deviations, alpha values, and Pearson correlation coefficients for the variables are presented in Table 2.

**Table 2: Descriptive Statistics for the Loyalty and Leisure Constraints Dimensions**

|                      | α  | M    | S.D. | 1   | 2   | 3   | 4   | 5   | 6   | 7   |
|----------------------|----|------|------|-----|-----|-----|-----|-----|-----|-----|
| Loyalty              | .79| 6.07 | .93  |     |     |     |     |     |     |     |
| Lack of Time         | .82| 3.91 | 1.72 | -.20**|     |     |     |     |     |     |
| Individual / Psychological | .85| 2.14 | 1.55 | -.10| .13**|     |     |     |     |     |
| Lack of Knowledge    | .83| 2.50 | 1.72 | -11*| .18**| .44**|     |     |     |     |
| Facilities           | .81| 2.92 | 1.68 | -.16**| .28**| .38**| .57**|     |     |     |
| Access / Financial   | .80| 2.66 | 1.76 | -.02| .25**| .43**| .49**| .45**|     |     |
| Lack of Partners     | .92| 2.64 | 1.89 | -.15**| .21**| .38**| .40**| .38**| .55**|     |
| Lack of Interest     | .86| 3.03 | 2.01 | -11*| .28**| .31**| .42**| .40**| .51**| .44**|

**p<.001, *p<.05

4. Discussions

The present study examined the factorial validity of the «leisure constraints scale» by Alexandris and Carroll (1997a), in the field of traditional dancing via the confirmatory factor analysis. The
specific measurement model has been widely used in bibliography (Alexandris & Carroll, 1997a; Alexandris & Carroll, 1997b; Alexandris & Stodolska, 2004; Carroll & Alexandris, 1997; Kouthouris, 2005; Kouthouris, Alexandris, Giovani & Xatzigianni, 2005; McCarville & Smale, 1993; Theodorakis et al. 2008) however more evidence confirming its factorial structure is required.

The results confirm the first hypothesis of the study. The confirmatory factor analysis supported the factorial structure of the seven constraints model (Alexandris & Carroll, 1997a): Lack of Time, Individual / Psychological, Lack of Knowledge, Facilities, Access / Financial, Lack of Partners, Lack of Interest. Moreover, the study showed also that the indicators of internal consistency of all the factors supported the reliability of the scale.

The most significant obstruction that negatively influences attendance to traditional dancing activities was the lack of time. In relative studies on a series of different activities it was found that the lack of time constitutes the most significant constraining factor of attendance (Alexandris & Carroll, 1997a; Alexandris & Carroll, 1997b; Kouthouris et al. 2005; Theodorakis et al., 2008). The lack of time, irrespective of the type of recreational activity, is linked to the lifestyle of the modern individual, the work and family duties. Thus, the associations’ managements which offer a corresponding type of dancing activities should take into account the specific reason which increases the difficulty in attending to activities. The further investigation of the reasons leading their clients to experiencing time problems may lead them to offering programs with dancing activities which serve better their minimum free time e.g. weekends.

The less significant obstruction which negatively influences their attendance in traditional dancing activities was the individual / psychological factor. It seems that the participants experience mildly the obstructions that are related to the lack of abilities, health problems, self-esteem, physical fitness etc. This factor belongs to the intrapersonal factors category that influences the individuals’ preferences and translates to the most powerful attendance obstructions (Crawford, Jackson & Godbey, 1991). This result opposes the Alexandris, Grouios, Tsorbatsoudis and Bliatsou (2001), study results in which the specific factor was found to be the most significant constraining factor of attendance.

The above findings and the fact that all the factors averages are low and below the mean of the seven-degree evaluation scale generally show that the constraining attendance factors are experienced by the participants with low intensity, because dancing is a leisure activity (Goulimaris, Filippou, Kottis & Genti, 2008). This result demonstrates that generally the constraining factors of attendance to Hellenic dancing activities are not powerful, a fact which constitutes an important positive element for the development of those activities. Besides, the obstructions in attendance are often overcome. The constraining factors may finally not prevent the participation in an activity (Kay & Jackson, 1991).

The statistically significant reverse connection of loyalty to the five constraints (Lack of Time, Lack of Knowledge, Facilities, Lack of Partners, Lack of Interest) verifies the second hypothesis of the study to a great degree. This fact and the high average of loyalty proves that the less the obstructions of attendance to dancing activities are, the more the participants’ loyalty is. Previous studies showed that the Lack of Time and Individual / Psychological factors negatively influence

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loyalty (Alexandris & Carroll, 1997a; Gilbert & Hudson, 2000) and the constraints predict a significant percentage of variance, loyalty and involvement (Alexandris et al., 2008).

5. Conclusions and Recommendations

The results supported the factorial validity of the «leisure constraints scale» in the field of traditional dancing. Furthermore, supported the reverse relation of loyalty to the five factors of constraints. The study results offer to the associations’ administrations propositions and ideas for their practical implementation. The preservation of the participants’ number in the association’s activities, in a tough economic period, is of great importance for its viability. The boost of the participants’ loyalty in dancing activities, which is an important aim for every organization, may be combined with actions that will reduce attendance obstructions. This presupposes the capability on behalf of the associations’ members to appreciate the existing and the future needs of the participants and to supply tailored dancing services and programs. Their categorization into groups on the basis of their characteristics is the first step so as to subsequently aim at the group that they wish to focus on. A part of the services that the administrations may put into effect is the constant training of the staff in management matters, in clients’ services, in programming, in organizing dancing programs and events, the delineation of communicative strategy, the supply and promotion of specially designed dancing programs which meet with the clients’ needs, the creation of information network, the improvement of the facilities and the adoption of motives so as to attract the friends of those who attend.

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References

[1] Alexandris, K. and Carroll, B. An analysis of leisure constraints based on different recreational sport participation levels: Results from a study in Greece. Leisure Studies, 19, 1997a, 1-15.
[2] Alexandris, K. and Carroll, B. Demographic differences in the perception of constraints on recreational sport participation: results from a study in Greece. Leisure Studies, 16, 1997b, 107-125.
[3] Alexandris, K. and Carroll, B. Constraints on recreational sport participation in adults in Greece: Implications for providing and managing sport services. Journal of Sport Management, 13, 1999, 317-332.
[4] Alexandris, K. and Stodolska, M. The influence of perceived constraints on the attitudes toward recreational sport participation. Society and Leisure, 27, 2004, 197-217.
[5] Alexandris, K., Grouios, G., Tsorbatsoudis, Ch. and Bliatsou, A. Relationship between perceived constraints and commitment to recreational sport participation of university students in Greece. International Journal of Management, 2, 2001, 282-296.
[6] Alexandris, K., Kouthouris, C. and Meligdis, A. Increasing customers’ loyalty in a skiing resort: the contribution of place attachment and service quality. International Journal of Contemporary Hospitality Management, 18, 2006, 414-425.
[7] Alexandris, K., Tsorbatzoudis, Ch. and Grouios, G. Perceived constraints on recreational sport participation: Investigating their relationship with intrinsic motivation, extrinsic motivation and amotivation. Journal of Leisure Research, 34, 2002, 233-252.
[8] Alexandris, K., Kouthouris, C. and Girgolas, G. Investigating the relationships among motivation, negotiation and intention to continuing participation: A study in recreational alpine skiing. Journal of Leisure Research, 39, 2007, 648-667.

[9] Alexandris, K., Kouthouris, C., Funke, D. and Chatzigianni, E. Examining the relationships between leisure constraints, involvement and attitudinal loyalty among Greek recreational skiers. European Sport Management Quarterly, 8, 2008, 247-264.

[10] Andronikidis, A., Vassiliadis, Cr., Priporas, C. and Kamenidou, I. Examining leisure constraints for ski centre visitors: Implications for services marketing. Journal of Hospitality Marketing & Management, 15, 2007, 69-86.

[11] Ανωριδάου, S., Alexandris, K. and Kouthouris, Ch. Παράγοντες που διαμορφώνουν τη συμμετοχή στη χιονοδρομία αναψυχής. Διαφορές λόγω δημογραφικών χαρακτηριστικών και συχνότητας συμμετοχής. [Perceived constraints on recreational skiing participation. Differences in the perception of constraints among different demographic groups and the participation frequency]. (In Greek). Journal of Sport and Recreation Management, 4, 2007, 2-21.

[12] Bentler, P. EQS Structural Equations Program Manual. Encino: Multivariate Software, 1995.

[13] Bloemer, J., Ruyter, K. and Wetzel, M. Linking perceived service quality and service loyalty: a multi-dimensional perspective. European Journal of Marketing, 33, 1999, 1082-1106.

[14] Carroll, B. and Alexandris, K. Perception of constraints and strength of motivation: Their relationship to recreational sport participation. Journal of Leisure Research, 29, 1997, 279-299.

[15] Chick, G. and Dong, E. Possibility of refining the hierarchical model of leisure constraints through cross-cultural research. Proceedings of the 2003 North-eastern Recreation Research Symposium. Newtown Square, PA: Forest Service, 2003, 338-344.

[16] Chick, G., Hsu, Yi-C. and Yeh, Chi-M. Leisure Constraints, Leisure Satisfaction, Life Satisfaction, and Self-Rated Health in Six Cities in Taiwan. Leisure Sciences, An Interdisciplinary Journal, 37(3), 2015, 232-251: doi: 10.1080/01490400.2014.967897.

[17] Crawford, D., Jackson, E. and Godbey, G. A hierarchical model of leisure constraints. Leisure Sciences, 13, 1991, 309-320.

[18] Crawford, D.W. and Godbey, G. Reconceptualising barriers to family leisure. Leisure Sciences, 9, 1987, 119-127.

[19] Damianidis, Ch., Kouthouris, Ch. and Alexandris, K. Παράγοντες που αναστέλλουν την συμμετοχή μαθητών και μαθητριών σε εξωσχολικές δραστηριότητες αθλητισμού αναψυχής. [Perceived constraints on extracurricular sports recreation activities among students. the case study of schools of Livadia city in Greece]. (In Greek). Inquiries in Sport and Physical Education. 5, 2007, 379 – 385.

[20] Dong, E., and Chick, G. Leisure Constraints in Six Chinese Cities. Leisure Sciences And Interdisciplinary Journal, 34, 5, 2012, 417-435. doi: 10.1080/01490400.2012.714702.

[21] Filippou, F., Goulimaris, D., Baxevanos, S. and Genti, M. Adult attendance in Greek traditional dancing classes, Exercise and Quality of Life, 2, 2010, 15-28.

[22] Filippou, F., Goulimaris, D., Mihalti, M. and Genti, M. Dance and cultural tourism: The effect of demographic characteristics on foreigners’ participation in traditional Greek dancing courses. Studies in Physical Culture and Tourism, 17, 2010, 63-71.

[23] Filo K., Funk D. and Alexandris K. Exploring the role of brand trust in the relationship between brand associations and brand loyalty in sport and fitness. International Journal of Sport Management and Marketing, 3, 2008, 39-57.

[24] Funk, D.C. and James, J. Consumer Loyalty: The meaning of attachment in the development of sport team allegiance. Journal of Sport Management, 20, 2006, 189-217.

[25] Gilbert, D. and Hudson, S. Tourism demand constraints: a skiing participation. Annals of Tourism Research, 27, 2000, 906-925.

[26] Gladden J.M. and Funk, D.C. Understanding brand loyalty in professional sport: examining the link between brand association and brand loyalty. International Journal of Sports Marketing & Sponsorship, 3, 2001, 67-94.
[27] Godbey, G. Non-participation in public leisure services: A model. Journal of Park and Recreation Administration, 3, 1985, 1-13.

[28] Goulimaris D., Fillipou F., Kottis I. and Genti M. Οι ανασταλτικοί παράγοντες συμμετοχής στους ελληνικούς παραδοσιακούς χορούς. [The Perceived Constraints Participation Factors in Greek Traditional Dances]. (In Greek). Science of Dance, 2, 2008, 16-30.

[29] Hawkins, B. A., Peng, J., Hsieh, K. and Eklund, S. J. Leisure constraints: A replication and extension of construct development. Leisure Sciences, 21, 1999, 179-192.

[30] Hinch T. and Jackson E. Leisure Constraints Research: It’s Value as a framework for understanding tourism season ability. Current Issues in Tourism, 3, 2000, 87-106.

[31] Hudson, S., Hinchb, T., Walker, G. and Simpson, B. Constraints to sport tourism: a cross-cultural analysis. Journal of Sport & Tourism, 15, 2010, 71–88.

[32] Jackson, E. and Henderson, K. Gender-based analysis of leisure constraints. Leisure Sciences, 15, 1995, 1-11.

[33] Jackson, E. Leisure constraints: A survey of past research. Leisure Sciences, 10, 1988, 203–215.

[34] Jackson, E. Leisure constraints/constrained leisure: special issue introduction. Journal of Leisure Research, 23, 1991, 279-285.

[35] Jackson, E. Special issue introduction: leisure constraints/constrained leisure. Leisure Sciences, 13, 1991a, 273-278.

[36] Jackson, E. Recognising patterns of leisure constraints: Results from alternative analyses. Journal of Leisure Research, 25, 1993, 129-149.

[37] Jackson, E. L., Crawford, D. W. & Godbey, G. Negotiation of leisure constraints. Leisure Sciences, 15, 1993, 1–11.

[38] Jackson, E.L. Will research on leisure constraints still be relevant in the twenty-first century? Journal of Leisure Research, 32, 2000, 62–68.

[39] Kay, T. and Jackson, G. Leisure despite constraint: The impact of leisure constraints on leisure participation. Journal of Leisure Research, 23, 1991, 301-313.

[40] Kolbe, R.H. and James, J.D. The internalisation process among team followers: Implications for team loyalty. International Journal of Sport Management, 4, 2002, 25-43.

[41] Kontogianni,E., Kouthouris, C.,Barlas, A. and Voutselas,V. Involvement and Loyalty in Recreation Swimming in Greece: Investigating Relationships. International Journal of Sport Management, Recreation & Tourism, 8, 2011, 13-34.

[42] Kouthouris, Ch. Investigating demographic and attitude characteristics of recreational skiers: An application of behavioural segmentation. The Sport Journal, U.S.S.A., 8, 4, 2005.

[43] Kouthouris, Ch., Alexandris, K. and Boudolou, M. Στρατηγικές διαπραγμάτευσης έναντι ανασταλτικών παραγόντων για συμμετοχή στο ποδόσφαιρο αναψυχής. [negotiation of leisure constraints in recreation football]. (In Greek). Inquiries in Sport & Physical Education, 3, 2005, 255-263.

[44] Kouthouris, Ch., Alexandris, K. and Goltsios, K. Ανασταλτικοί παράγοντες συμμετοχής στο ποδόσφαιρο αναψυχής (Γήπεδα μικρών διαστάσεων). [Constraining factors of attendance to football recreation. (small football field)]. (In Greek). Physical Education and Sport Sciences, 6, 2005, 18-32.

[45] Kouthouris, Ch., Alexandris, K., Giovani, C. and Xatzigianni. Ανασταλτικοί παράγοντες συμμετοχής στη χονδρόμαχι αναψυχής. [perceived constraints towards recreational skiing participation]. (In Greek). Inquiries in Sport & Physical Education, 3, 2005, 55-63.

[46] Kouthouris, Ch., Kontogianni, E. and Alexandris, K. Λόγοι αναστολής συμμετοχής σε δραστηριότητες αθλητισμού αναψυχής. [constraints toward sport recreation participation]. (In Greek). Inquiries in Sport & Physical Education, 6, 2008, 67-78.

[47] Kouthouris, Ch., Tzouvista, L. and Alexandris, K. Παράγοντες που περιορίζουν τη συμμετοχή στην κολύμβηση αναψυχής. [Factors that restrict attendance to recreational swimming]. (In Greek). Exercise and Society, 43, 2006, 48-56.
Liljander, V. and Strandvik, T. The nature of customer relationships in services. In Swartz, T.A., Bowen, D. & Brown, S.W. (Eds), Advances in Services Marketing Management, 4, 1995, 141-67.

Mahony, D., Madrigal, R. and Howard, D. Using the psychological commitment to team (PCT) scale to segment sport consumers based on loyalty. Sport Marketing Quarterly, 9, 2000, 15-25.

Masmanidis, Th., Gargalianos, D. and Kosta, G. Perceived constraints of Greek university students’ participation in campus. Recreational Sport Journal, 33, 2009, 150-166.

Matsumoto, D. and Yoo, S-H. Toward a new generation of cross-cultural research. Perspectives on Psychological Science, 1, 2006, 234–250.

McCarville, R. and Smale, J. Perceived constraints to leisure participation within five activity domains. Journal of Park and Recreation Administration, 11, 1993, 40-59.

Ostrowski, P.L., O’Brien, T. and Gordon, G. Service quality and customer loyalty in the commercial airline industry. Journal of Travel Research, 32, 1993, 16-24.

Palen, L.A., Patrick, M., Gleeson, S., Caldwell, L., Smith, E., Wegner, L. and Flisher, A. Leisure constraints for adolescents in Cape Town, South Africa: A qualitative study. Leisure Sciences, 32, 2010, 434-452.

Papadopoulos, P., Theodorakis, N. and Alexandris, K. Αντιλαμβανόμενη ποιότητα υπηρεσιών σε γυμναστήρια: διερεύνηση της σχέσης με τη θετική προφορική επικοινωνία. [Perceived service quality in the context of health centres: relationship with word of mouth communications]. (In Greek). Journal of Sport and Recreation Management, 1, 2004, 30-40.

Parker G. The negotiation of leisure citizenship: Leisure constraints, moral regulation and the mediation of rural place. Leisure Studies, 26, 2007, 1–22.

Pinto, B., Marcus, B. and Clark, M. Promoting physical activity in women: The new challenges. American Journal of Preventive Medicine, 12, 1996, 395-400.

Raymore, L., Godbey, G., Crawford, D. and Von Eye, A. Nature and process of leisure constraints: An empirical test. Leisure Sciences, 15, 1993, 99-113.

Samdahl, D.M. and Jekubovich, N.J. A critique of leisure constraints: Comparative analyses and understandings. Journal of Leisure Research, 29, 1997, 430-452.

Shinew, K., Floyd, M. and Parry, D. Understanding the relationship between race and leisure activities and constraints: Exploring an alternative framework. Leisure Sciences, 26, 2004, 181-199.

Shogan, D. Characterizing constraints of leisure: A foucaultian analysis of leisure constraints. Leisure Studies, 21, 2002, 27-38.

Stodolska, M. and Shinew, K. Environmental constraints on leisure time physical activity among Latino urban residents. Qualitative Research in Sport, Exercise and Health, 2, 2010, 313-335.

Theodorakis, N., Alexandris, K., Panopoulou, K. and Vlachopoulos, S. Παράγοντες που ανασταλτικά την ανάμειξη σε δραστηριότητες παραδοσιακού χορού. [The influence of perceived constraints on leisure involvement in the context of traditional dance]. (In Greek). Inquiries in Sport & Physical Education. 6, 2008, 212-221.

Warshaw, P.R. Predicting purchase and other behaviours from general and contextually specific intentions. Journal of Marketing Research, 17, 1980, 25–33.

White, D. A structural model of leisure constraints negotiation in outdoor recreation. Leisure Sciences, 30,2008, 342-359.

Yuksel, A. and Yuksel, F. Shopping risk perceptions: Effects on tourists’ emotions, satisfaction and expressed loyalty intentions. Tourism Management, 28, 2007, 703-713.

Zeithaml, V.A. and Bitner, M.J. Services marketing: Integrating customer focus across the firm. New York: McGraw-Hill, 2006.
Zeithaml, V.A., Berry, L.L. and Parasuraman, A.  The behavioral consequences of service quality. Journal of Marketing, 60, 1996, 31–46.

Zisi, B., Gianni, A., Bougiesi, M., Pollatou, E. and Michalopoulou, M.  Συστηματική Συμμετοχή σε Παραδοσιακό Χορό ή Άσκηση: Επιδράσεις στην Ποιότητα Ζωής Ατόμων Τρίτης Ηλικίας [Systematic Participation in Folk Dance or Physical Activity? Effects in Quality of Life in the Elderly]. (In Greek). Inquiries in Sport & Physical Education, 12, 1, 2014, 1 – 8.

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