Validation of relevance of optional attributes and place attachment and duration of exercise

Kim Jae-Deung and Yoo Jung-In

University of Suwon, Korea University, Korea jady0417@suwon.ac.kr, surfyji@korea.ac.kr

Abstract

This study influenced gender and exercise sustainability as an optional attribute of water sports participants. Click on the icon in the rankings to win a swarm. First, reliability analysis and confirmatory factor analysis were performed using SPSS WIN 21.0 and AMOS 21.0 statistical programs. Second, an analysis was conducted to verify the difference of measurement variables based on demographic characteristics. Third, the parameters are combined to perform integral analysis. Verifying the last influence. First, there was a statistically significant difference between the variables according to demographic characteristics. Second, there is a statistically or negatively related relationship between the measured variables. Finally, the selected attributes have a statistically significant effect on place attachment and duration of exercise. In conclusion, the optional attributes of water sports participants have a positive effect on place attachment and duration of exercise.

Keywords: Continuous exercise, Optional attributes, Place attachment, Regression analysis, Water sports

1. Introduction

As sports participants increase their interest in health and well-being and increase their demand for and participation in nature-friendly sports activities, water sports are becoming important among various sports[1]. Water sports are nature-friendly sports that participants not only harmonize with nature, but also provide challenges, adventure pursuits, and fun[2] The motivation and choice attributes of water sports participants suggest that they are closely related to their various needs. In general, the selection attribute is explained by the consumer's choice of product or brand using information gathered through information search [3]. In addition, this selective attribute not only provides important clues in determining consumers' behaviors, but also has a close relationship with practice in practice[4][5].

Place attribution is explained by emotional and emotional, not only the sense of belonging to a specific place, but also the expression of functional, emotional, and behavioral meanings[6]. This place attribution is not only an emotional solidarity that appears to individuals, but also reveals that complex and independent dimensions are integrated[7]. In this study, we found that self-efficacy and self-efficacy were significantly related to self-efficacy and self-efficacy[8]. In addition, it is important to note that this is not the case in this

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study. The results of this study are as follows. First, the results of this study are as follows. In addition, exercise participation, exercise intensity, and exercise time are closely related to exercise persistence[9]. Therefore, the purpose of this study is to investigate the relationship between the optional attributes of water sports participants and the place of attachment and the duration of exercise.

In addition, it is important to note that this is not the case in this study[10]. Looking at previous studies associated with exercise adherence reveals dalrajindago depending on personal characteristics and the environment, the participants of the attitudes and beliefs, and psychological factors such as satisfaction[11]. In addition, exercise participation, exercise intensity, and exercise time are closely related to exercise persistence[9]. Therefore, the purpose of this study is to investigate the relationship between the optional attributes of water sports participants and the place of attachment and the duration of exercise.

2. Research method

2.1. Subjects

The subjects of this study were 200 people who participated in water sports on regular basis in the water sports field in Seoul.

		frequency	%
gandar	man	92	51.1
gender	woman	88	48.9
Athletic experience	2 years Less than	54	30.0
	2~3 years Below	44	24.4
	4~5 years Below	22	12.2
	6 years more than	60	33.3
	20's	20	11.1
	30's	64	35.6
Age	40's	87	48.3
	50's more than	9	5.0
Participation	Once a week	21	11.7
	2-3 a week	110	61.1
	4-5 a weeks	49	27.2
tot	tal	180 100.0	

Table 1. Demographic characteristics

2.2. Measuring tools

In order to measure the optional attributes of the water sports participants, the scale of the optional attributes was measured by [12] based on the questionnaire developed by Carmichael[13]. The results of this study are as follows. Second, the measurement items related to place attachment were composed of 10 items with 6 items that measure place

dependency and 4 items that measure place identity. Finally, continuity of exercise was used to measure the Exercise Adherence Questionnaire (EAQ) of [14], which was developed according to the Korean situation [15].

2.3. Research procedure

In order to answer the questionnaire effectively, the researcher explained the purpose and purpose of the study to the participants of the water sports, and distributed the questionnaire to the subjects who participated in the study and participated in the study. We tried to secure the reliability of the data by explaining the questionnaire to the understanding of the questionnaires when they were not understood. However, despite these efforts, it was immediately excluded from the questionnaire response if it was judged to be lack of understanding, and the retrieved questionnaire was screened immediately such as omission of questions and uniform response to a single score. Secondly, of the respondents.

2.4. Data analysis

The data used in this study consisted of confirmatory factor analysis of reliability analysis of applied scales, multivariate analysis to verify differences according to demographic characteristics, correlation analysis and regression analysis to examine the relationship between measurement variables.

3. Research results

3.1. Differences in selection attributes, place attachment, and exercise duration according to gender

There was a significant difference between the two groups(Willks' Lambda = .783, F = 5.249, p<.000). As for the difference, the female participants were higher in all the subfactors of the optional attributes than the male participants, and the place dependency was higher in male and the female in place identity. Finally, in the tendency and intensiveness of the exercise, the female was higher and the male was higher than likelihood.

3.2. Selection attributes, place attachment, and continuous exercise according to exercise experience

The difference between the two groups was significant Choice attribute, place attachment, and exercise persistence level were high(Willks' Lambda = .631, F = 3.104, p<.000). Especially, in the optional attribute, all the sub factors were higher than 2 years. The place dependence of place attachment was higher than 6 years, and place identity was less than 2 years. Finally, tendency during exercise was higher than that of 6 years or more, and less than 2 years or more than 4 to 5 years.

3.3. Selection attributes according to the number of participation, place attachment, verification of difference in continuous exercise

There was a significant difference between the two groups (Willks' Lambda = .804, F = 2.168, p<.01). As a result of these differences, the program sub - factors of the selected attributes showed a high level of 4 \sim 5 times a week. In addition, the cost, staff and convenience facilities showed once a week. The place dependence of place attachment was

high $4 \sim 5$ times per week, and place identity was 1 time per week. The tendency during exercise was high $2 \sim 3$ times in middle, $4 \sim 5$ times in week, and $4 \sim 5$ times in week.

3.4. Correlation analysis between measurement variables

Correlation analysis was performed to investigate the relationship between variables set in this study. The analysis showed that the program and the cost of the selected attribute had no significant relationship with the duration of the exercise. The convenience facilities of the selected attribute showed no significant difference between the tendency of the place attachment and the continuation of the exercise, Negative correlation appeared in the possibility of continuing exercise. In addition, there was a statistically significant correlation between variables.

	1	2	3	4	5	6	7	8	9
Program	1								
Expense	.551**	1							
Staff	.302**	.437**	1						
Facilities	.299**	.431**	.121	1					
Dependence	.328**	.264**	.364**	021	1				
Identity	.348**	.330**	.324**	.176	.650**	1			
Tendency	.186*	.069	.181*	157	.552**	.589**	1		
Possibility	.004	009	.353**	185*	.264**	.414**	.573**	1	
Reinforcement	.253**	.161	.343**	.000	.375**	.755**	.640**	.678**	1

Table 2. Correlation between choice attribute, place attachment, and duration of exercise

3.5. How selected attributes affect place attachment

The results of the multiple regression analysis were as follows: First, the influence of the optional attributes on the place dependence of place attachment was found to be as follows: program (β = .252), cost (β = .075) The sub-factors showed a positive effect on the place dependency. The explanation variable of the final regression model was 20.6% and the F value was 7.326, which was statistically significant at the significance level p<.001 Respectively. Second, the effects of the optional attributes on the place identity of the place attachment were found to have a positive effect on the place identity of the program (β = .216) and the employees (β = .209), The explanatory variable was 18.4%, and the F value was 6.358, which was statistically significant at the significance level p<.001.

3.6. The effect of place attachment on the duration of exercise

The results of the multiple regression analysis were as follows: First, the dependence (β = .293) and identity (β = .399) All the sub-factors had a positive effect, and the explanation variable of the final regression model was 39.6% and the F value was 97.755, which was statistically significant at the significance level p<.001. Second, the effect of place attachment

on the likelihood of continuing exercise was positively affected only by the sub-factor of place identity (β = .420), and the explanation variable of the final regression model was 17.2% Was 11.921 and significance level p<.001 was statistically significant. Third, place dependence (β = -2.559) has a negative effect on place intention, whereas place identity (β = .885) only affects positively Respectively. The explanatory variable of the final regression model was 59.4%, and the F value was 84.026, which was statistically significant at the significance level p<.001.

3.7. Effects of optional attributes on exercise duration

The results of the multiple regression analysis were as follows: First, the influence of the optional attributes on the tendency of the exercise duration was examined by the program (β = .220) and convenience facilities (β = .399), The explanatory variable of the final regression model was 10.4%, and the F value was 3.274, which was statistically significant at the significance level p<.05. Second, the effect of selection attributes on the likelihood of continuing exercise was positively affected by employees (β = .426), and the explanatory variance of the final regression model was 18.6% 6.449 with significance level p<.001. Finally, the effects of the optional attributes on the reinforcement during exercise were positively affected by the program (β = 2.057) and the employees (β = -3.242). The explanatory variable of the final regression model was 15.2%, and the F value was 5.074, which was statistically significant at the significance level p<.01.

4. Conclusion

Selective attributes of water sports participants, which are nature-friendly sports activities for health and well-being, have a positive impact on the sense of belonging and the duration of exercise.

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Authors



Kim, Jae-DeungDept. Sports Science, University of Suwon. Professor



Yoo, Jung-InDept. Physical Education, Korea University. Research professor.