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Article

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Determinants of the expenditure done by attendees at a sporting event: The case of World Padel Tour



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ABSTRACT

The influx of people attending sport events involves creating wealth in the environment where they are held. To understand the impacts of these events on the host community, it is necessary to analyze the main explanatory variables in relation to models of buying behavior in tourism, so as to know which variables are the ones that affect most the expenditure done by attendees at a sport event. Therefore, the objective of our research is to present a model to evaluate the influence that certain variables related to the model of consumer behavior have on the expenditure. For that, the variables have been grouped into those related to the personal characteristics of the attendee, and into those others of subjective nature related to the perceptions of those attending a sport event. The research has been based on the use of Structural Equation Models using the technique of Partial Least Square (PLS). The sport event that has been analyzed is the Padel tournament "Cáceres International Open". The proposed model shows significant results to support the relationships contained in the hypotheses, and provides positive data regarding the predictive relevance of the model.

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Introduction

Padel is a sport that has achieved tremendous growth over the last decade in Spain. In 1993, the Supreme Council for Sports (CSD) recognizes it as a sport. According to the data provided by the CSD in relation to the number of licenses and clubs, in 2002 the number of licenses amounted to a total of 8344 and 140 clubs, occupying 37th position in sports by number of licenses; in 2012 the number of licenses was 39,652, and 593 clubs, occupying 19th position in sports by number of licenses. The increase in these ten years has been 375.21% in number of licenses and 323.57% in number of clubs.

Its modern origins date back to the late nineteenth century, although its background is common to tennis and badminton (Sánchez-Alcaraz, 2013); in 1997 the Spanish Federation of Padel

was constituted. In order to professionalize the players and to manage the circuits in 2001, the Association of Professional Padel Players (AJPP) was created. In December 2011 World Padel Tour (WPT) was introduced as a professional padel circuit which emerges as initiative of the AJPP and a group of sponsors.¹ WPT brings a new dimension to the professional circuit in the sport, economic and media areas. Thus, international tournaments begin in different cities with a sporting event taking place in each city, which is worth analyzing due to the economic impact they generate. Sport events which are considered the major components of Sport Tourism and perhaps the most significant in terms of number of tourists and economic impact (Deery, Jago, & Fredline, 2004; Getz, 2003).

Tourism services related to sport have increased in recent years, having adapted leisure centers and particular tourist spots to give service to a client with sport motivations. The sport itself, or through competitions is a generator of the movement of people,

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¹ www.worldpadeltour.com.

that besides enjoying the sport, can do tourist activities. Thus, sport and tourism are two complementary activities: sport events generate tourism and tourists do different activities while enjoying their leisure, including sport activities.

Since 1990 there have been a significant number of studies to understand the nature of the relationship between sport and tourism (Weed, 2009). Previous research, among which is highlighted the work by Williams and Zelinsky (1970), show that link, but fundamentally analyze the economic effects of some sport events.

While major sport events have been thoroughly analyzed in relation to their impact on the cities that hosted them, we should not forget the importance of smaller sporting events, which nevertheless imply wealth creation in the environment where they are held, mainly due to the influx of attendees and participants (Barajas & Sánchez, 2011; Hurtado, Ordaz, & Rueda, 2007; Wilson, 2006).

Similar studies have been conducted, such as the one by Hurtado et al. (2007), which indicated that according to Lee (2001), it can be said that the organization of sport competitions is a source of benefits to the places where they are held. Basically, these benefits are reflected in terms of enhancement of the image of the city and/or the environment in economic terms (direct income) and also in the revitalization and development of the general socio-economic fabric of the territory. Therefore, sport tourism through events can be considered an alternative to complement the seasonality of tourism in a locality; the reason why we consider it necessary to analyze these events with the aim of contributing data relevant to decision-making and to maximize the resources used. The fact of promoting activities related to sport tourism can provide a number of resources to the tourism sector of the localities in order to combat seasonality and promote the sustainability of the sector.

In this context, in which wealth creation is assumed mainly due to the influx of attendees, we want to focus our analysis and specifically on the expenditure done by the attendees to one of the tournaments organized by WPT, “Cáceres International Open”, held from 20th to 26th May 2013. Thus, the aim of our research is to present a conceptual model based on the use of structural equations, in which the influence of certain variables are analyzed, which are related to consumer buying behavior in the expenditure done during their attendance to the “Cáceres International Open” sport event. To do this, the work is divided into five sections, besides this first introduction section. In the second section a review of the literature on sport tourism is done to identify those people attending sport events, their expenditure as a relevant factor within the economic impact generated by sport events and the variables under analysis. The third section presents the model together with the research hypotheses. The fourth section presents the methodology used. The fifth section shows the results obtained from the research, and finally the conclusions of the study conducted are reflected.

Literature review

In an effort to analyze the relationship between tourism and sport the term “sport tourism” to better understand the use of sport as a tourism determination (Kurtzman, 2001) is coined. There have been many authors who during the last two decades have provided different definitions of sport tourism (Esteve-Secall, 1991; Gammon & Robinson, 1997; Hall, 1992; Latiesa, Paniza, & Madrid, 2000; Standeven & De Knop, 1999; among others), having turned this discipline in the subject of academic research and in a subject of great interest for governments.

According to Deery et al. (2004), it is important for the future of tourism segmentation that markets be defined accurately. Research in the profiles of the segments will benefit the sector and provide a higher level of accuracy with policy and planning purposes. Tourist

participation in sport activities can be active or passive. Hall (1992) first introduced the possibility of tourists participating by watching a sporting activity; and Gammon and Robinson (1997), as well as Standeven and De Knop (1999), who included in their definition the opportunity to participate actively or passively in the sport. Thus, the concept of sport tourism includes those people attending a sporting event to observe it. Based on these authors, the population under study we will analyze is defined and which will be the attendees at a sport event.

Based on literature reviews on previous economic impact (Barajas, Salgado, & Sánchez, 2012; Gougnet & Nys, 1993; Halba, 1997; Késenne, 2001; Késenne, Taks, Chalip, Green, & Martyn, 2011; Otero, 1994; Pedrosa & Salvador, 2003; Salgado, Barajas, Lera, & Sanchez, 2013), it can be determined that the analysis of impacts on sport is difficult, since among other problems, there are those relating to considering as benefits the amounts spent on an activity. Moreover, there is some research detailing the different methodologies that have been used to develop the economic scale of sport (Barajas & Sánchez, 2011; Barajas et al., 2012; Hurtado et al., 2007; Pedrosa & Salvador, 2003). In this research, various methods used in studies of economic impact of events are observed, such as Satellite Accounts, input–output tables, the contingent valuation method, the computable general equilibrium model, cost-benefit analysis, and sectoral-regional analysis. Among all of these, the Cost-Benefit Analysis (CBA) stands out, whose objective is to compare the benefits of sport events for a region or country, which is the increase in value of consumption of the local population, with the costs of production factors that are needed to organize the event (Késenne, 2005). Through these methods the importance of the expenditure done by the attendees to the sport event is revealed, as it is considered as one of the factors involved in economic impact.

Conceptual model and research hypotheses

When proposing a model to analyze, we must first identify the variables that could have an influence on the expenditure of attendees at a sport event. Following Turco, Swart, Bob, and Moodley (2003), the socioeconomic characteristics must be studied to understand the consumption patterns related to sport tourism, and thus, as Johnson (2010) suggests, understand the impacts of these events on the host community. It is therefore necessary to analyze the main explanatory variables in relation to models of buying behavior in tourism, to know which variables will affect to a larger extent the expenditure done by attendees at a sport event. We can differentiate between internal and external variables to the individual, following groupings made by Swarbrooke and Horner (1999), Decrop (2005), Sirakaya and Woodside (2005). In our study we will focus on the influence that certain internal variables of the individual have on the expenditure; so that, following Aragonés (2013), the buyer's personal characteristics, motivation, perception and perceived quality will be the individual's internal variables, which will be analyzed. So, in this paper the influence of external variables such as pull factors of a particular sport, type of sport event, where it takes place, social class or lifestyle of the individual, among others (Sirakaya & Woodside, 2005) will not be analyzed.

The buyer's personal characteristics have been analyzed in relation to consumer buying habits, and this is evident in studies such as those by San Martín, Barman, and Rodríguez (2006). Among the personal characteristics, variables such as origin, gender, age or education and training (Bryant & Cha, 1996; Gordon, Mckeage, & Fox, 1998; Homburg & Giering, 2001; Kolodinsky, Nam, Jinkook, & Drzewiczewski, 2001; Mägi, 2003; Mittal & Kamakura, 2001; Nicolau, 2011; Parker, 1971; Shemwell, Croning, & Bullard, 1994; Smart & Martin, 1993; Wu, 2002) are usually analyzed. The following hypotheses arise from these authors: **Hypothesis 1.** The

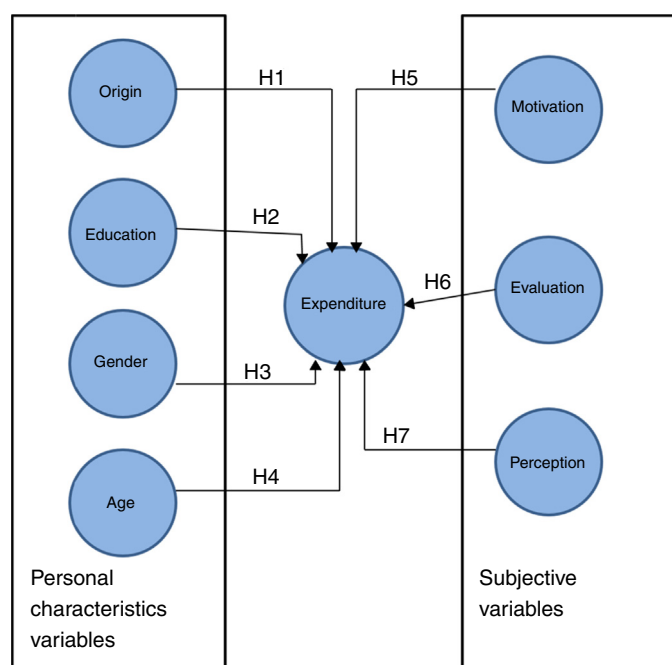


Fig. 1. Conceptual model. Source: Authors' own data.

origin of those attending sport events is related to the expenditure done during the sport event. **Hypothesis 2.** The education of those attending sport events is related to the expenditure done during the sport event. **Hypothesis 3.** The gender of attendees at sport events is related to the expenditure done during the sport event. **Hypothesis 4.** The age of attendees at sport events is related to the expenditure done during the sport event.

Studies such as those by Trail and James (2001) and Aragonés (2013), focused on the analysis of motivation, given its strong influence on the behavior of the tourist at sport events; while Yingzhi, Xiaoming, and Liu (2013) analyzed the influence of motivation on the impact factors related to sport events, adding economic benefit as one of the factors. As a result economic **Hypothesis 5** is originated. The reason for attendees coming to the sport event is related to the expenditure done during the sport event.

On the other hand, as suggested by Loureiro and Miranda (2010), concepts such as quality and satisfaction are subjective, since they are based on individuals' perceptions. Therefore among the selected variables, there is a difference established between those that are a consequence of the characteristics of attendees at events, and those variables that will be based on the perceptions of attendees at sport events. Among the studies that have focused on the analysis of the perception of quality and satisfaction of spectators of sport events, and from which arise the last two hypotheses proposed, those by Calabuig, Quintanilla, and Mundina (2008), Calabuig, Burillo, Crespo, Mundina, and Gallardo (2010), Moreno, Gómez, and Hervás (2010), Pérez (2010), Crespo, Pérez-Campos, and Mundina (2012), and Navarro-García, Reyes-García, and Acedo-González (2013) are worth noting. Therefore, we propose **Hypothesis 6.** The quality of the sport event evaluated by attendees is related to the expenditure done during the sport event, and finally **Hypothesis 7.** The perception that attendees have of sport events is related to the expenditure done during the sport event.

As previously stated, the aim of our research is to present a model to evaluate the influence of selected variables in this study (related to the model of consumer behavior) on the expenditure done by attendees at a sport event. Taking into account this objective and after conducting a study on the main variables that can affect the expenditure of those people who come to watch a sport

event, a model is proposed. As shown in Fig. 1, seven variables are proposed in this model, four related to the personal characteristics of the buyer, and three variables of subjective nature, related to the perceptions of those people that attend a sport event.

As for the variables related to the personal characteristics of the buyer, and following Turco et al. (2003), we will analyze the influence of gender, age, income levels and origin. Income levels will be studied through indicators of work and education of the attendees. The origin variable will be analyzed through indicators of town of residence and distance to the city where the event is held. So the possibility that there may be non-resident individuals in the town of the event residing in nearby towns will be analyzed, so the distance will help us to relate among the non-residents those who spend the night and others who come to the town, attend the event and return home without major expenditures; in this way we will try to show the relationship of place of origin with expenditure, mainly related to housing and fuel.

Regarding the subjective variables, our model contains a variable related to the motivation to attend the event; a variable related to the evaluation of the perceived quality of the event; and a variable related to the perception of sport events. In relation to the evaluation of these variables, which are subjective in nature, we will focus on user perceptions about the service provided, as proposed by Cronin and Taylor (1992) by using specific measurement instruments that can be adapted better to the context in which the research is conducted as Reyes (2013) suggests.

Methodology

To test these hypotheses, we used a dual methodology: Descriptive Statistics and Multivariate Analysis. Descriptive statistics was used to sort out the information obtained through a series of questionnaires given to those attending the event. This is aimed at characterizing the sample through parameters that describe it and that allow for later interpretations. In this case, the tools used were SPSS (v.21) and Excel (2010). The multivariate analysis was based on the use of structural equation modeling (Structural Equations Models – SEM) using the technique of Partial Least Square based on the variance (PLS). In this case, the tool used was the SmartPls v. 2.0.M3 (Ringle, Wende, & Will, 2005).

Questionnaire design

With the aim of collecting sample data of the attendees at the sport event, a questionnaire structured into three sections was designed, the first one related to the personal characteristics of the attendees, the second one related to subjective perceptions related to motivation, quality and perception of the attendees, and the third one related to the expenditure of attendees during the event. More information on this is available in the Annex.

Sample

For data collection, personal interviews were conducted with the attendees at the sport event during the tournament days, obtaining 670 valid questionnaires. In Table 1 we present a profile of the sample.

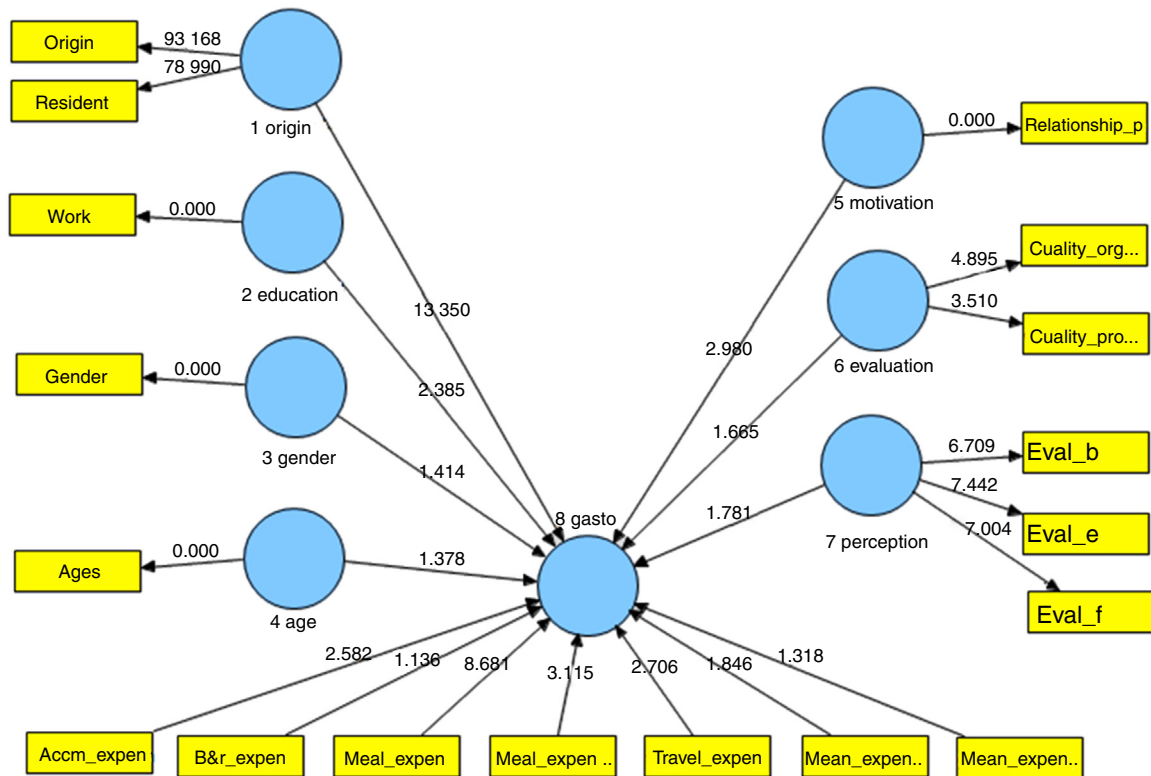
Data analysis technique

The justification of the relevance of the analysis by Partial Least Squares – PLS – (Hair, Sarstedt, Hopkins, & Kuppelwieser, 2014; Sanz, Ruiz, & Aldás, 2008), finds reasons in the features which characterize the analysis of sport events, as well as in the fact that the aim of the research is focused on prediction, i.e. to explain the behavior of the dependent variable (Roldán & Sánchez-Franco,

Table 1
Attendees' profile.

<i>Gender</i>			<i>Age</i>		
Male	72.5%	486	Less than 25 years old	16.9%	113
			Between 25 and 35	30.6%	205
Female	27.5%	184	Between 35 and 45	30.4%	204
			Between 45 and 55	18.7%	125
			More than 55 years old	3.4%	23
<i>Origin</i>			<i>Resident</i>		
Cáceres	67.8%	454	Sí	52.5%	352
Badajoz	24.6%	165	No	47.5%	318
Others	7.6%	51			
<i>Education</i>			<i>Attends accompanied to the event</i>		
University	69.3%	464	Yes	90.4%	606
Non-university	30.7%	206	No	9.6%	64
<i>Number of companions</i>			<i>Number of relatives</i>		
None	1.3%	9	None	50.2%	336
One	28.5%	191	One	27.1%	182
Two	23.4%	157	Two	12.2%	82
Three	19.4%	130	Three	7.1%	47
Four	10.4%	70	Four	1.9%	13
Five	5.2%	35	More than five	1.5%	10
More than five	11.6%	78			
Total: 670 (100%)					

Source: Authors' own data.

**Fig. 2.** Structural model with indicators. Source: Authors' own data.

2012)². It is also an appropriate technique for very complex structural models (many constructs with many indicators), and the existence of formative and reflective indicators make this methodology adequate for our analysis.

Considering the above, Fig. 2 shows the structural model presented, where both the analyzed latent variables and their indicators can be observed.

Research results

Analysis of the measurement instrument

The model presented consists of variables whose indicators are of reflective nature, and also by another variable with formative indicators. Firstly, we perform the analysis on the validity and reliability of the measurement instruments of the reflective variables as indicated by Sanz et al. (2008) regarding the individual reliability of each construct. It is required that all Cronbach's α (Cronbach, 1951) be above 0.7 (Churchill, 1979; Nunnally &

² We appreciate the indication given by Dr. J.L. Roldán, of the "Universidad de Sevilla", in developing the methodological part.

Table 2
Evaluation reflective indicators.

CA	CR	AVE		Age	Education	Expenditure	Gender	Motivation	Perception	Origin	Evaluation
1.000	1.000	1.000	Age	1.000							
1.000	1.000	1.000	Education	0.465	1.000						
			Expenditure	0.047	0.126	N/A					
1.000	1.000	1.000	Gender	0.035	−0.083	−0.021	1.000				
1.000	1.000	1.000	Motivation	−0.115	−0.013	0.257	−0.104	1.000			
0.702	0.834	0.626	Perception	0.128	0.126	0.113	0.012	0.084	0.791		
0.818	0.917	0.846	Origin	−0.069	0.008	0.531	0.090	0.162	0.043	0.920	
0.741	0.870	0.771	Evaluation	−0.021	0.023	0.039	0.058	0.055	0.189	0.136	0.878

Source: Authors' own data.

Bernstein, 1994). Similarly the composite reliability was calculated, (Fornell & Larcker, 1981; Werts, Linn, & Jöreskog, 1974) whose values must be higher than 0.6 according to Bagozzi and Yi (1988). Other authors indicate that the values must be higher than 0.7 for early stages and 0.8 for basic research (Nunnally, 1978; Roldán & Sánchez-Franco, 2012). Following this, an analysis of convergent validity (significance and size of loads, AVE) through the average variance extracted, showing in this case values higher than 0.5 for each variable (Fornell & Larcker, 1981). The values of the indicator loadings are required to be higher than 0.7 (Hair et al., 2014).

To finish the evaluation of the measurement instruments of the reflective variables, discriminant validity through the cross-loadings of an indicator with all the latent variables was analyzed, and as stated by Fornell and Larcker (1981) and Sanz et al. (2008), in operational terms the AVE between each pair of factors with the square of the estimated correlation between those same factors should be compared. The data of these variables are shown in Table 2.

As well as the above, we perform the analysis on the validity and reliability of the measurement instruments of formative variables, which in our model is expenditure using the criteria of MacKenzie, Podsakoff, and Jarvis (2005); for this as indicated by Sanz et al. (2008) an analysis of co-linearity by using SPSS because SmartPLS does not perform it by default was carried out. In this case, tolerance values greater than 0.2 are required (Hair, Ringle, & Sarstedt, 2011), and values less than 3.3 for the inflation factor of variance

Table 3
Co-linearity Analysis of the expenditure variable.

	Co-linearity statistics	
	Tolerance	FIV
Accommodation expenses	0.574	1.741
Bar and rest. expenses	0.365	2.740
Fuel expenses	0.492	2.032
Lunch-dinner expenses	0.308	3.251
Travel expenses	0.780	1.283
Average expenditure events	0.639	1.565
Average expenditure padel	0.358	2.792

Source: Authors' own data.

(Diamantopoulos & Siguaw, 2006) for the indicators. The results of the Co-linearity analysis are shown in Table 3. Finally, an analysis of the weight-load relationship of the indicator and its significance was performed (Hair et al., 2014).

Analysis of the structural model

Firstly, an analysis of the significance of structural relationships through *Boostrapping* was performed, using 5000 subsamples (Hair et al., 2014) so that if they are significant, there will be empirical support to support the relationships contained in the hypotheses. Then the variance of the dependent latent variables was examined, in our case the expenditure, explained by the

Table 4
Evaluation of the structural model. Effect on the endogenous variable.

	R ²	Q ²	Original sample (O)	Correlation	Explained variance
Expenditure	0.337	0.125			
H1 Origin → 8Expenditure			0.5135	0.531	27%
H2 Education → 8Expenditure			0.0887	0.126	1%
H3 Gender → 8Expenditure			−0.0419	−0.021	0%
H4 Age → 8Expenditure			0.0525	0.047	0%
H5 Motivation → 8Expenditure			0.1736	0.257	4%
H6 Evaluation → 8Expenditure			−0.0526	0.039	0%
H7 Perception → 8Expenditure			0.0689	0.113	1%

Source: Authors' own data.

Table 5
Structural model results.

	Original sample (O)	Lower	Upper	T statistics	Supported
1Origin → 8Expenditure	0.514	0.437	0.587	13.350	***
2Education → 8Expenditure	0.089	0.017	0.161	2.385	*
3Gender → 8Expenditure	−0.042	−0.109	−0.002	1.414	ns
4Age → 8Expenditure	0.053	0.003	0.142	1.379	ns
5Motivation → 8Expenditure	0.174	0.061	0.294	2.980	**
6Evaluation → 8Expenditure	−0.053	−0.122	−0.003	1.665	ns
7Perception → 8Expenditure	0.069	0.006	0.150	1.781	*

Source: Authors' own data.

* p (0.05).

** p (0.01);

*** p (0.001);

2-tailed Student T.

constructs that predict them (R^2). According to Falk and Miller (1992) the required value should not be less than 0.1, following Sanz et al. (2008) the interpretation of the minimum value clearly depends on the context of the research. Finally, the analysis of the predictive relevance of the model (Q^2) by *blindfolding*, requiring in this case positive values (Hair et al., 2014) was performed. The data of these variables are shown in Table 4.

The variance of the expenditure explained by the constructs that predict them (R^2) has a value of 0.337, higher than 0.1 (Falk & Miller, 1992), the result can be identified as moderate according to Chin (1998). Regarding the predictive relevance of the model for the endogenous latent variable, we observe a value (Q^2) of 0.125, so that, according to Hair et al. (2014), we can consider that the proposed model has predictive relevance. Table 4 shows the extent to which the predictor variables contribute to the explained variance of the expenditure variable.

With the empirical data obtained, the existence of relationship between the variables analyzed and expenditure is verified. Our work shows the significance between the relationships of the variables origin, education, motivation and perception on the latent variable expenditure of attendees; relationships contained in hypotheses 1, 2, 5 and 7. Hypotheses 3, 4 and 6 do not find empirical support in this research and are considered non-significant, concluding that gender, age of attendees does not have influence on expenditure, as well as the attendees' evaluation made of the sport event. The data obtained are shown in Table 5.

Discussion, conclusion and implications

As for the conclusions of this study, regarding the proposed model, we can highlight that a conceptual framework is provided to support research in the field of sport tourism; in particular one of the groups that affects the economic impact generated by sport events in cities, which are attendees at sport events.

The paper also provides a literature review regarding the variables and their impact on the field of sport events. This will enable to define them more accurately to advance research and segmentation of sport tourism. In addition to the above and meeting the objective of the research, some of the variables that can have an impact on expenditure by attendees at a sport event are shown.

Moreover, as a consequence of the literature review, we observed that the results obtained by measuring the economic impact in our study are similar to other research conducted on sport events with similar characteristics. We refer to those events with the attendance of national and international participants, however, its economic impact is very limited, being events which are characterized mainly for being unique and irregular (Barajas et al., 2012; Gratton, Dobson, & Shibli, 2000; Wilson, 2006). Although the purpose of this analysis is not to measure the economic impact, a Benefit/Cost ratio of 13.85 Euros (Jiménez-Naranjo, Coca-Pérez, Gutiérrez-Fernández, & Sánchez-Escobedo, 2015) was obtained and this value was 9.98 Euros for Hurtado et al. (2007), or 15.53 Euros for Barajas and Sánchez (2011).

Then the proposed model and the results concerning the reliability of the model and its predictive capacity are discussed, analyzing the contrast of hypothesis proposed. The results suggest that variables such as gender, age, and perceived quality by the attendee at the sport event do not affect his/her global expenditure in the host city; while other variables such as their origin, education, motivation or perception of the sport event do affect the global expenditure of spectators, highlighting the origin of the attendee among the variables that affect expenditure. In this regard, we should note that the results obtained can relate to those in other studies discussed in the literature review, highlighting Nicolau (2011), where the effect that movement to the leisure destination

involves, as it implies higher costs is analyzed. This author notes the design of promotional campaigns aimed at a segment with appropriate characteristics; Sánchez, Barajas, and Alen (2013), who indicate the positive aspects of holding a sporting event to ensure a number of attendees for several days in the town, which involves a daily expenditure; or Navarro-García et al. (2013), authors who point out the importance for sport organizations as event managers, the perception of the event and the quality perceived by its users, being consistent with our analysis because the first variable influences the expenditure of users or attendees at the event and although the second variable does not affect this analysis, it should be related to the other variables, as we will point out for future research.

With all of the above, it can be concluded that the model developed will provide empirical evidence on the relationship of certain variables related to the model of consumer behavior on the expenditure of those attendees at a sport event, allowing us to advance the research of certain sport tourism activities, such as sport events. Therefore, this analysis will benefit the sector and provide a higher level of accuracy for policy and planning purposes. As for the implications for the management of such events, we consider that the identification of variables that influence the attendees' expenditure will enable managers to make decisions about programming those sport events that attract a greater number of attendees, which will generate resources in the locality. As for the theoretical implications, this study provides a conceptual model that will allow further analysis, besides the literature review shows the variables and their effects on expenditure in the field of sport events.

Despite the above mentioned, it should be noted that this analysis has a major limitation, which is that it is a novel study regarding the subject and methodological tool applied, so in some cases it has been difficult to obtain a bibliography suitable in which to base ourselves to build the model. The fact that we are in the early stages of development of scales, and in order to analyze the measurement instruments related with the variables, it was considered appropriate to use a methodology which subsequently enables the analysis of the relationships between variables, based on the contributions made through our research, which will allow to compare the structural models through the same methodology. Another limitation that is derived from the novelty of our study is the interpretation of the expenditure as a latent variable, which we justify that expenditure components may not be the same for each individual, so there may be unobservable factors affecting the amount spent (Urquieta-Salomón, Figueroa, & Hernández-Prado, 2008). The consideration of the expenditure as a formative latent variable enables us to rank the indicators that form it, which will give us relevant information for the management of sport events, as we will know which ones have more weight on that variable.

Consequently and finally, we would like to express the future lines of research in which we want to work in future publications. Firstly, we consider it appropriate to group the variables that correspond to consumer characteristics into a single multi-group variable that meets these characteristics, in order to form a profile of the attendee. Secondly, we want to relate the variables between each other, so that the influence of attendees' profile on motivation and perception of quality can be analyzed, without forgetting the expenditure as the dependent variable; following Uriel and Aldás (2005), and because dependency relationships between variables will be established. This analysis must be done through the same methodology that was used in this research, the use of structural equations, so that the structural models proposed can be compared. Thirdly, it would be suitable to analyze the influence that the incorporation of external variables could have on the model, using as a moderator variable the different types of sport events. And finally, we would like to apply the improved model to other sport events and other events, such as cultural events.

Annex. Conducted survey**A. Survey respondent's information**

1. Sex: ☐ Male ☐ Female
2. Age: years old
3. Are you a resident in the city? ☐ Yes ☐ No
4. Origin (locality and province).....
5. Approx. distance in Km:
6. Education level: ☐ University ☐ Non-university
7. Work: ☐ Public Administration ☐ Housewife
☐ Unemployed ☐ Self-employed
☐ Student ☐ Employee
8. Relationship with participant/s: ☐ None ☐ Family ☐ Friendship
9. Has the main reason for staying in Cáceres been to attend the event?: ☐ Yes ☐ No
10. Are you attending it accompanied?: ☐ Yes ☐ No
11. If yes, specify the number of people..... and how many of them are relatives:

B. Opinion about world padel tour event

12. Rate from 1-5 (1 = lowest score, 5 = highest score) the quality of different aspects concerning the event held in Cáceres.

a) Sports facilities..... b) Program..... c) Organization.....

13. Tick the box giving your opinion about the following statements regarding the impact of the event in Cáceres

Concept	Totally disagree	Disagree	Indifferent	Agree	Totally agree
It increases recognition and promotion					
It represent an element of pride and satisfaction					
It generates a traffic and security problem					
It alters the normal rhythm and harms other activities					
It causes an increase in tourism during and after the event					
Increase in employment					
It involves economic loss as the investment is higher than the profits obtained					
Economic advantages are concentrated in a few enterprises and people					
Public expenditure is necessary for holding these types of events					

14. What score would you give the event as a whole? Rate from 1-5 (1 = lowest score, 5 = highest score):

C. Estimate of expenditure during the world padel tour in cáceres

15. Tickets: ☐ Daily ☐ Season ☐ Complimentary Total expenditure:€

16. Accommodation: Are you going to stay overnight in the city? ☐ Yes ☐ No

17. In the case that the previous answer is affirmative, how many nights are you going to spend? nights

18. What type of accommodation have you chosen?

- a) Hotel (indicate category).....
- b) Hostel
- c) Rural house
- d) Guesthouse
- e) Parador
- f) Others (indicate which).....

19. Could you specify how much you have approximately spent in Cáceres on the following concepts (tick the box)?

Concept	0 €	1-30 €	30-60 €	60-90 €	90-120 €	120-150 €	Over 150 €
Accommodation							
Lunch/dinner							
Transport (taxi, bus...)							
Press							
Bars and restaurants							
Clothes							
<i>Souvenirs</i>							
Fuel							
Museums/sightseeing							
Sporting material							
Others (specify):							

20. What means of transport did you use to come to the World Padel Tour? You can tick several options

- ☐ Own vehicle ☐ In a friend/relative's car ☐ Coach
- ☐ Train ☐ Provided by the organization ☐ Aeroplane

21. How much did you spend on this means of transport (return)?€

22. What is the average expenditure you have on these types of events?€

23. And on this one in particular, how much do you estimate you will spend?.....€

24. How much would you prepared to pay for the World Padel Tour to be held in Cáceres again?€

References

- Aragónés, C. (2013). *La transferencia entre un gran evento deportivo y la marca patrocinadora: La visión del visitante deportivo* [tesis doctoral]. Departamento de Comercialización e Investigación de Mercados, Universitat de Valencia.
- Bagozzi, R. P., & Yi, Y. (1988). On the evaluation of structural equation models. *Journal of the Academy of Marketing Science*, 16(1), 74–94.
- Barajas, A., & Sánchez, P. (2011). *Aplicación del análisis coste-beneficio (ACB) al Campeonato de España de Natación Master 2011, Comunicación presentada al I Gijón Workshop de Economía del Deporte: El Impacto Económico en el Deporte*. Gijón: Universidad de Oviedo.
- Barajas, A., Saldago, J., & Sánchez, P. (2012). Problemática de los estudios de impacto económico de eventos deportivos. *Estudios de Economía Aplicada*, 30(2), 441–462.
- Bryant, E. B., & Cha, J. (1996). Crossing the threshold. *Marketing Research*, 8(4), 20–28.
- Calabuig, F., Quintanilla, I., & Mundina, J. (2008). La calidad percibida de los servicios deportivos: Diferencias según instalación, género, edad y tipo de usuario en servicios náuticos. *RICYDE. Revista Internacional de Ciencias del Deporte*, 4(10), 25–43.
- Calabuig, F., Burillo, P., Crespo, J., Mundina, J. J., & Gallardo, L. (2010). Satisfacción, calidad y valor percibido en espectadores de atletismo satisfaction, quality and perceived value in spectators of athletics. *Revista Internacional de Medicina y Ciencias de la Actividad Física y el Deporte*, 10(40), 577–593.
- Chin, W. W. (1998). The partial least squares approach to structural equation modeling. In G. A. Marcoulides (Ed.), *Modern methods for business research*. Erlbaum, Mahwah

- Churchill, G. A., Jr. (1979). A paradigm for developing better measures of marketing constructs. *Journal of Marketing Research*, 16(1), 64–73.
- Crespo, J., Pérez-Campos, C., & Mundina, J. (2012). La calidad de servicio percibida por los espectadores de un evento de fútbol. Análisis de diferencias entre grupos. *Journal of Sports Economics & Management*, 2(1), 4–15.
- Cronbach, L. J. (1951). Coefficient alpha and the internal structure of tests. *Psychometrika*, 16(3), 297–334.
- Cronin, J., Jr., & Taylor, S. (1992). Measuring service quality: A reexamination and extension. *Journal of Marketing*, 56, 55–68.
- Decrop, A. (2005). Group processes in vacation decision making. *Journal of Travel and Tourism Marketing*, 18(3), 23–36.
- Deery, M., Jago, L., & Fredline, L. (2004). Sport tourism or event tourism: Are they one and the same? *Journal of Sport Tourism*, 9(3), 235–245.
- Diamantopoulos, A., & Sigauw, J. A. (2006). Formative versus reflective indicators in organizational measure development: A comparison and empirical illustration. *British Journal of Management*, 17(4), 263–282.
- Esteve-Secall, R. (1991). Análisis teórico de las relaciones entre el turismo y el deporte, referencia especial a Andalucía. In *I Jornadas sobre Turismo y Deporte*. Consejería de Cultura, Instituto Andaluz del Deporte.
- Falk, R. F., & Miller, N. B. (1992). *A primer for soft modeling*. University of Akron Press.
- Fornell, C., & Larcker, D. F. (1981). Structure equation models: LISREL and PLS applied to customer exist-voice theory. *Journal of Marketing Research*, 18(2), 39–50.
- Gammon, S., & Robinson, T. (1997). Sport and tourism: A conceptual framework. *Journal of Sport Tourism*, 4(3), 11–18.
- Getz, D. (2003). Sport event tourism: Planning, development, and marketing. In S. Hudson (Ed.), *Sport and adventure tourism* (pp. 49–85). New York: Haworth Hospitality Press.
- Gordon, M. E., Mckeage, K., & Fox, M. A. (1998). Relationship marketing effectiveness: The role of involvement. *Psychology and Marketing*, 15(5), 443–459.
- Gougout, J. J., & Nys, J. F. (1993). *Sport et développement économique régional*. Paris: Dalloz.
- Gratton, C., Dobson, N., & Shibli, S. (2000). The economic importance of major sports events: A case-study of six events. *Managing Leisure*, 5(1), 17–28.
- Hair, J. F., Ringle, C. M., & Sarstedt, M. (2011). PLS-SEM: Indeed a silver bullet. *The Journal of Marketing Theory and Practice*, 19(2), 139–152.
- Hair, J. F., Jr., Sarstedt, M., Hopkins, L., & Kuppelwieser, V. G. (2014). Partial least squares structural equation modeling (PLS-SEM): An emerging tool in business research. *European Business Review*, 26(2), 106–121.
- Halba, B. (1997). *Economie du sport*. Paris: Economica.
- Hall, C. M. (1992). Adventure, sport and health. In C. M. Hall, & B. Weiler (Eds.), *Special interest tourism*. Londres: Pluto Press.
- Homburg, C., & Giering, A. (2001). Personal characteristics as moderators of the relationship between customer satisfaction and loyalty. An empirical analysis. *Psychology & Marketing*, 18(1), 43–66.
- Hurtado, J. M., Ordaz, J. A., & Rueda, J. M. (2007). Evaluación del impacto económico y social de la celebración de grandes eventos deportivos a nivel local: el caso del Campeonato de Tenis femenino de la ITF en Sevilla en 2006. *Revista de métodos cuantitativos para la economía y la empresa*, 3, 20–39.
- Jiménez-Naranjo, H. V., Coca-Pérez, J. L., Gutiérrez-Fernández, M., & Sánchez-Escobedo, M. C. (2015). *Cost-benefit analysis of sport events: The case of World Paddle Tour*. Investigaciones Europeas de Dirección y Economía de la Empresa. <http://dx.doi.org/10.1016/j.iiedee.2015.04.001>
- Johnson, D. (2010). *A comparative study of the management and socioeconomic impacts of sport tourism events in Durban and Cape Town* [tesis doctoral]. Cape Peninsula University of Technology.
- Késenne, S. (2001). El problema de los estudios de incidencia económica en el deporte, en Otero Moreno, J.M. (director). In *Incidencia económica del deporte*. pp. 91–99. Málaga: Instituto Andaluz del Deporte.
- Késenne, S. (2005). Do we need an economic impact study or a cost-benefit analysis of a sports event? *European Sport Management Quarterly*, 5(2), 133–142.
- Késenne, S., Taks, M., Chalip, L., Green, B. C., & Martyn, S. (2011). Economic impact analysis versus cost benefit analysis: The case of a medium-sized sport event. *International Journal of Sport Finance*, 6, 187–203.
- Kolodinsky, J., Nam, J., Jinkook, L., & Drzewiczewski, M. (2001). Degree of frailty and elders' satisfaction with personal care services in a community setting. *Journal of Consumer Satisfaction, Dissatisfaction and Complaining Behavior*, 14, 154–166.
- Kurtzman, J. (2001). Turismo, deporte y cultura. In *Primera conferencia mundial sobre deporte y turismo*. Madrid: OMT y COI.
- Latiesa, M., Paniza, J. L., & Madrid, M. (2000). Turismo y deporte: Algunas consideraciones sobre su conceptualización y taxonomía. In M. Latiesa, & A. Álvarez Sousa (Eds.), *El turismo en la sociedad contemporánea, diversificación, competitividad y desarrollo*. Granada: Editorial Urbano.
- Lee, S. (2001). A review of economic impact study on sport events. *The Sport Journal*, 4(2).
- Loureiro, S., & Miranda, G. F. (2010). Calidad y satisfacción en el servicio de urgencias hospitalarias: Análisis de un hospital de la zona centro de Portugal. *Investigaciones Europeas de Dirección y Economía de la Empresa*, 16(2), 27–41.
- MacKenzie, S. B., Podsakoff, P. M., & Jarvis, C. B. (2005). The problem of measurement model misspecification in behavioral and organizational research and some recommended solutions. *Journal of Applied Psychology*, 90(4), 710–730.
- Mägi, A. W. (2003). Share of wallet in retailing: The effects of customer satisfaction, loyalty cards and shopper characteristics. *Journal of Retailing*, 79(2), 97–106.
- Mittal, V., & Kamakura, W. A. (2001). Satisfaction, repurchase intent, and repurchase behavior: Investigating the moderating effect of customer characteristics. *Journal of Marketing Research*, 131–142. February.
- Moreno, F. C., Gómez, J. M., & Hervàs, J. C. (2010). Eventual: Una medida de la calidad percibida por los espectadores de eventos deportivos. *Retos. Nuevas tendencias en Educación Física, Deporte y Recreación*, 18, 66–70.
- Navarro-García, A., Reyes-García, M. E., & Acedo-González, F. J. (2013). Calidad percibida y satisfacción de los espectadores de fútbol. *Investigaciones Europeas de Dirección y Economía de la Empresa*, 39, 1–8.
- Nicolau, J. L. (2011). El efecto de la participación en actividades de ocio sobre la influencia de la distancia en la elección de destinos. *Estudios de Economía Aplicada*, 29(3), 803–824.
- Nunnally, J. C. (1978). *Psychometric theory*. New York: McGraw-Hill.
- Nunnally, J. C., & Bernstein, I. H. (1994). *Psychometric theory* (3ª edición). New York: McGraw-Hill.
- Otero, J. M. (1994). Uso y abuso de los multiplicadores regionales. In *XX Reunión de la Asociación Española de Ciencia Regional*, November, Las Palmas de Gran Canaria.
- Parker, V. (1971). *Personal characteristics and consumer behavior: A multidimensional approach*. Pullman: Washington State University Press.
- Pedrosa, R., & Salvador, J. A. (2003). El impacto del deporte en la economía: Problemas de medición. *Revista Asturiana de Economía*, 26, 61–84.
- Pérez, C. (2010). *Análisis de la calidad del servicio en los eventos deportivos. Calidad percibida y satisfacción de los espectadores y de los deportistas* [tesis doctoral]. Universitat de Valencia.
- Reyes, M. E. (2013). *Calidad percibida y satisfacción del consumidor con un evento deportivo. Una aplicación al ámbito del fútbol* [tesis doctoral]. Sevilla: Universidad de Sevilla.
- Ringle, C. M., Wende, S., & Will, A. (2005). *SmartPLS 2.0 (beta)*. Hamburg, Germany: SmartPLS.
- Roldán, J. L., & Sánchez-Franco, M. J. (2012). Variance-based structural equation modeling: Guidelines for using partial least squares in information system research. In M. Mora, O. Gelman, A. Steenkamp, & M. Raisinghani (Eds.), *Research methodologies, innovations and philosophies in software systems engineering and information systems* (pp. 193–221). Hershey: IGI Global.
- Salgado, J., Barajas, Á., Lera, F., & Sánchez, P. (2013). Impacto Económico de Eventos Deportivos: Modelo y Praxis. *Revista Intercontinental de Gestão Desportiva*, 3(1), 38–50.
- San Martín, S., Camarero, M. C., & Rodríguez, J. (2006). El papel moderador del tipo de consumidor en el proceso de generación de compromiso. *Cuadernos de Economía y Dirección de la Empresa*, 28, 113–138.
- Sánchez, P., Barajas, A., & Alén, M. E. (2013). Los eventos deportivos como herramienta de promoción turística: Propuestas para el rally de Ourense y su entorno. *Revista de Análisis Turístico*, 16(2), 59–69.
- Sánchez-Alcaraz, B. J. (2013). Historia del pádel. *Materiales para la historia del deporte*, 11, 57–60.
- Sanz, S., Ruiz, C., & Aldás, J. (2008). La influencia de la dependencia del medio en el comercio electrónico B2C. Propuesta para un modelo integrador aplicado a la intención de compra futura en internet. *Cuadernos de Economía y Dirección de la Empresa*, 36, 45–75.
- Shemwell, D. J., Cronin, J. J., & Bullard, W. R. (1994). Relational exchange in services: An empirical investigation of ongoing customer-service provider relationships. *International Journal of Service Industry Management*, 5(3), 57–68.
- Sirakaya, E., & Woodside, A. (2005). Building and testing theories of decision making by travellers. *Tourism Management*, 26(6), 815–832.
- Smart, D. T., & Martin, C. L. (1993). Consumers who correspond with business: A profile and measure of satisfaction with responses. *Journal of Applied Business Research*, 9(2), 30–43.
- Standeven, J., & De Knop, P. (1999). *Sport tourism*. Champaign: Human Kinetics Publ.
- Swarbrooke, J., & Horner, S. (1999). *Consumer behaviour in tourism*. Oxford: Butterworth-Heinemann.
- Trail, G., & James, J. (2001). The motivation scale for sport consumption: Assessment of the scale's psychometric properties. *Journal of Sport Behavior*, 24(1), 108–127.
- Turco, D. M., Swart, K., Bob, U., & Moodley, V. (2003). Socio-economic impacts of sport tourism in the Durban UniCity, South Africa. *The Journal of Sport Tourism*, 8(4), 223–239.
- Uriel, E., & Aldás, J. (2005). *Análisis multivariante aplicado*. Paraninfo SA. Madrid, España: Thomson Editores Spain.
- Urquieta-Salomón, J. E., Figueroa, J. L., & Hernández-Prado, B. (2008). . pp. 136–146. *El gasto en salud relacionado con la condición de discapacidad: Un análisis en población pobre de México* (Vol. 50(2)) Salud Pública de México.
- Weed, M. (2009). Progress in sports tourism research? A meta-review and exploration of futures. *Tourism Management*, 30, 615–628.
- Werts, C. E., Linn, R. L., & Jöreskog, K. G. (1974). Intraclass reliability estimates: Testing structural assumptions. *Educational and Psychological Measurement*, 34(1), 25–33.
- Williams, A., & Zelinsky, W. (1970). On some patterns of international tourism flows. *Economic Geography*, 46(4), 549–567.
- Wilson, R. (2006). The economic impact of local sport events: Significant, limited or otherwise? A case study of four swimming events. *Managing Leisure*, 11, 57–70.
- Wu, S. I. (2002). Internet marketing involvement and consumer behavior. *Asia Pacific Journal of Marketing and Logistics*, 14(4), 36–53.
- Yingzhi, G., Xiaoming, L., & Liu, D. (2013). A case study of tourists' perceived motivation and impacts of sport tourism event. *Journal of Tourism and Hospitality Management*, 1(2), 89–94.