JHTT 12,2

324

Received 21 July 2018 Revised 7 December 2018 7 March 2020 15 August 2020 27 November 2020 Accepted 31 December 2020

Mapping the concepts evoked by a destination: an approach to the study of a holistic destination image

Vanesa F. Guzman-Parra Faculty of Economics and Business Science, Universidad de Málaga, Málaga, Spain

Juan Trespalacios Gutierrez

Department of Business Administration and Accounting, Universidad de Oviedo, Oviedo, Spain, and

José Roberto Vila-Oblitas Faculty of Economics and Business Science, Universidad de Málaga, Málaga, Spain

Abstract

Purpose – This study aims to demonstrate the application of computer-aided text analysis (CATA) software in identifying primary associations and impressions of a specified tourist destination.

Design/methodology/approach – The Leximancer software is applied on primary information to analyze the concepts evoked by a destination. Because no specific planning has been done for destination image marketing strategies for rural tourism in Andalusia, this study visualizes and determines clusters of the main attributes associated with this destination.

Findings – The analysis identifies the main clusters among associations and impressions of the destination that can be useful in developing strategies.

Research limitations/implications – Only a target segment is studied, with a relatively small sample size.

Practical implications – Leximancer can not only be applied to online user-generated content, but primary information can also be mapped to generate a holistic destination image. Furthermore, identification of the relevant attributes and impressions can serve to identify unique assets to help tourism organizations develop a destination.

Social implications – Several implications concerning destination marketing are outlined.

Originality/value – Although previous studies have applied Leximancer and other CATA software, the present research uses a new approach. Deriving the primary information on destination image using an unstructured methodology, the concepts evoked by a destination are mapped. Because there is a lack of research on rural tourism in Andalusia and its destination image, its associated attributes are studied.

Keywords Destination image, Leximancer, Andalusia, Destination attributes, CATA software, Distinctive attributes

Paper type Research paper



Journal of Hospitality and Tourism Technology Vol. 12 No. 2, 2021 pp. 324-340 Emerald Publishing Limited 1757-9880 DOI 10.1108/JHTT-07-2018-0058 © Vanesa F. Guzman-Parra, Juan Trespalacios Gutierrez and José Roberto Vila-Oblitas. Published by Emerald Publishing Limited. This article is published under the Creative Commons Attribution (CC BY 4.0) licence. Anyone may reproduce, distribute, translate and create derivative works of this article (for both commercial & non-commercial purposes), subject to full attribution to the original publication and authors. The full terms of this licence may be seen at http://creativecommons.org/licences/by/4.0/legalcode

325

holistic

destination

The study of a

研究目的-本论文展示如何使用CATA分析软件来确定一个具体旅游目的地的主要关系和印象。

研究设计/方法/途径 — Leximancer软件主要用于分析一个目的地引发的相关概念。因为安达卢西亚至今未有确定的乡村旅游目的地形象营销策略,本论文视觉化和决定与此目的地相关的主要因素群。研究结果 — 研究结果指出了此安达卢西亚目的地的主要相关群和印象群,这些对于指定战略计划有很大帮助。

研究理论限制 - 本论文只研究了单一市场群,分析样本量较小。

研究实际启示 – Leximancer不仅可以用来分析用户生成内容, 还可以分析主要信息, 以展示整体旅游目的地形象。此外, 分析指出的相关因素和印象群可以用来确立独特的资源组合, 帮助旅游机构开发旅游目的地。

研究社会启示 - 本论文结构指出了多个旅游目的地营销的相关启示

研究原创性/价值 — 尽管文献中有关Leximancer和其他CATA软件的使用文章,本论文创立了新的使用方法。基于对旅游目的地形象的主要信息进行非结构性研究,本论文对于旅游目的地的概念进行展开论述。由于至今未有针对安达卢西亚的乡村旅游研究以及旅游目的地形象研究,本研究论述了其相关因素。

关键词安达卢西亚、旅游目的地形象、旅游目的地因素、CATA软件、Leximancer

1. Introduction

This study applied content analysis software to examine all associations connected with a specific tourist destination.

According to the Instituto Nacional de Estadística (INE) of Spain, there has been a growth in rural accommodation in Andalusia (in southern Spain) in recent years (INE, 2020). As of January 2020, there were an estimated 2,336 open establishments (INE, 2020).

Because no specific planning has been done regarding destination image marketing strategies in Andalusia, this study visualized and determined the themes of the main images associated with rural tourism of this destination. This study can provide destination management organizations a fast and practical approach to determine the concepts associated with a destination.

2. Theoretical framework and content analysis

2.1 Destination image and awareness

There is no consensus on a specific definition of destination image (Jenkins, 1999). Example definitions are provided in Table 1.

Though multiple methods of researching destination images are used, there is no single accepted definitive research measure (Pike, 2002).

Internal perceptions lead to an unconscious assessment by tourists, not entirely based on physical or functional attributes of the tourist destination, but on holistic attributes (Echtner and Ritchie, 1991, 1993). The overall image is considered an independent dimension of the destination image, greater than the sum of the different cognitive and affective components (Baloglu and McCleary, 1999).

Destination image is therefore a multidimensional global impression, but there is no consensus on the dimensions that form this holistic impression (Bigné *et al.*, 2009).

Other authors, such as Kock *et al.* (2016) and Josiassen *et al.* (2015, p. 32), label the descriptive attributes of a destination as destination imagery. They define destination imagery as "an individual's diverse cognitive and affective associations relating to a destination." These associations enable individuals to characterize a destination without necessarily evaluating it (Kock *et al.*, 2016).

Echtner and Ritchie (2003) present two basic approaches to measure destination image:

JHTT 12,2	Author(s)	Definition
,	Hunt (1975)	Impressions that a person or persons hold about a state in which they do not reside
	Lawson and Bond	An expression of knowledge, impressions, prejudice, imaginations and emotional
	Bovy (1977)	thoughts an individual has of a specific object or place
	Crompton (1979)	The sum of beliefs, ideas and impressions that a person has of a destination
326	Assael (1984)	Total perception of the destination that is formed by processing information from various sources over time
	M outinho (1987)	An individual's attitude toward the destination attributes based on their knowledge and feelings
	Echtner and	The perceptions of individual destination attributes and the holistic impression made by
	Ritchie (1991)	the destination
	Kotler <i>et al.</i> (1994)	The image of a place is the sum of beliefs, ideas and impressions that a person holds of it.
	Baloglu and	An individual's mental representation of knowledge, feelings and global impressions
	McCleary (1999)	about a destination
	Murphy et al.	A sum of associations and pieces of information connected to a destination, which
	(2000)	would include multiple components of the destination and personal perception
	Tapachai and	Perceptions or impressions of a destination held by tourists with respect to the expected
	Waryszak (2000)	benefit or consumption values
	Bigné <i>et al.</i> (2001)	The subjective interpretation of reality made by the tourist
	Kim and	A totality of impressions, beliefs, ideas, expectations and feelings accumulated toward a
	Richardson (2003)	
	Bigné <i>et al.</i> (2009)	It consists of all that the destination evokes in the individual; any idea, belief, feeling or
		attitude that tourists associate with the place.
	Matos <i>et al.</i> (2012)	Image is a set of complex mental impressions and total feelings that a potential tourist
		holds of a product, place or tourism destination.
Table 1.	Lai and Li (2016)	A voluntary, multisensory, primarily picture-like, qualia-arousing, conscious and quasi-
		perceptual mental (i.e. private, nonspatial and intentional) experience held by tourists
Highlighted		about a destination. This experience overlaps and/or parallels the other mental

definitions of

destination image

Structured methodology in which image attributes are specified and incorporated into a standardized instrument, commonly a set of Likert-type scales.

cognitive map, consciousness, memory and attitude of the destination

experiences of tourists, including their sensation, perception, mental representation,

Unstructured methodologies are another form of measurement used in destination image research when image attributes are not specified at the onset of the study.

Structured methodologies enable the comparison of several destinations (Jenkins, 1999), but scale items are usually not designed to identify the unique characteristics of products (Echtner and Ritchie, 2003). Stepchenkova and Morrison (2008) revealed that structured methodologies enable evaluation and comparison, but they can be focused on certain destination attributes, and it can be difficult to capture the holistic aspect of a destination image. Thus, unstructured methodologies can present a more holistic picture (Echtner and Ritchie, 1993).

2.2 Content analysis and computer-aided text analysis software in tourism research Weber (1990) describes content analysis as a research method that uses a set of procedures to make inferences from text. Content analysis is based on statistical processing of text corpora (Weber, 1990). Using such analysis, the most commonly occurring terms in a body of text are extracted, and the frequency of their occurrence is registered in a matrix (Berelson, 1952). This methodology has been used in areas such as psychology and communications (Stepchenkova et al., 2009). According to Duriau et al. (2007), although content analysis is a descriptive method, it has several advantages as it provides access to individual or collective structures such as values, intentions, attitudes and cognitions.

Table 2 highlights several studies that apply different computer-aided text analysis (CATA) software applied o tourism research.

The development of CATA has facilitated the analysis of large amounts of qualitative data (Stepchenkova and Mills, 2010). CATA has been applied to tourism research using different softwares, including CATPAC (Woelfel, 1998), WORDER (Kirilenko, 2007) and Leximancer (Choi *et al.*, 2007; Darcy and Pegg, 2011; Scott and Smith, 2015; Wu *et al.*, 2014). For example, Leximancer has been used to study destination image (Boo and Busser, 2018; Sun *et al.*, 2015; Tkaczynski *et al.*, 2015; Tseng *et al.*, 2015).

As recent works show, content analysis is an emerging research topic (Cheng and Jin, 2019; Yu and Zhang, 2020; Wong et al., 2020).

3. Methodology

To present an example of the analysis, this study analyzed the concepts evoked by rural tourism in Andalusia, which is a community in the south of Spain with highly diverse climates and landscapes.

Rural tourism has been a vector of development in Andalusia (Ferrari *et al.*, 2010; Martín Martín *et al.*, 2019), but increased efforts to manage its strategic destination image are needed. This study selected this destination as there is a lack of research on Andalusia's rural tourism destination image. Using an unstructured approach (Stepchenkova and Li, 2014; Stepchenkova *et al.*, 2009), this study analyzed the words that a specified segment of target customers (university students taking the last courses of their degrees) associated with this rural destination to examine their mental image, or overall representation of the destination. Stepchenkova and Morrison (2008) argue that the holistic component alludes to the mental picture, or overall representation of the destination, and resembles the overall component of the destination image.

A questionnaire was designed with only one open-ended question to obtain answers using non-aided recall. This allowed attributes to be recalled from a respondent's memory without any cues offered by the researcher, because a strongly associated destination attribute is more likely to be recalled.

In the previous literature, top-of-mind awareness has been considered a rigorous measure (Laurent *et al.*, 1995; Stepchenkova and Li, 2014).

The survey was conducted to study the words that a destination evokes in an individual. The participants were students of an Administration and Management degree course at the Faculty of Economics and Business Studies, University of Málaga, Spain. The following were the two reasons these individuals were selected:

- (1) They were young students who are common customers of rural tourism.
- (2) They were of similar ages, interests and other characteristics, thereby reducing the possible impact of unwanted variables and influences.

The open-ended question was formulated to allow respondents to describe the evoked concepts in their own words, with a non-aided recall approach. The respondents were allowed to freely describe the attributes or impressions they had of the destination. Several studies have examined destination image under an unstructured approach. For example, to study Russia's stereotypical holistic images, Stepchenkova and Morrison (2008) formulated the following question:

Q1. What images or characteristics come to mind when you think of Russia as a travel destination?

CATA	Author(s)	Research theme	Sample size	Data source
Leximancer	Wu et al. (2014)	Tourists' experiences in Beijing's Silk Market	149 review items	International tourist reviews on TripAdvisor
	Tseng et al. (2015)	Major themes about Mainland China's destination image	630 bloggers	Internet information and user-generated content
	Tkaczynski et al. (2015)	Fraser Coast destination image	517 vacationers	Self-administered questionnaire during and post vacation
	Sun et al. (2015)	Perceptions of New Zealand's South Island landscapes	235 Chinese tourists interviewed	An open-ended semi-structured questionnaire and followed by a second component where
				tourists had to select from a series of photographs of iconic components
	Chiu <i>et al.</i> (2017)	Tourists' experiences of watching professional baseball games in Korea	152 reviews	International tourist reviews on TripAdvisor
	Chiu and Leng (2017)	Tourists' cycling experience in Singapore from online reviews	409 reviews on local companies' bike tour	International tourist reviews on TripAdvisor
			service	
	Boo and Busser (2018)	Meeting planners' online reviews of destination hotel	696 reviews of 173 hotels	International tourist reviews
	Pearce and Wu (2018)	International tourists' experiences of Sanjie Liu in southern China	359 reviews	Reviews in English on TripAdvisor
	Cheng and Jin (2019)	Attributes that influence Airbnb users' experiences	181,263 reviews	International tourist reviews on TripAdvisor
CATPAC	Govers <i>et al.</i> (2007a, 2007b)	Pre-visit perceived image of seven sample destinations	1,100 online survey responses	Visitors to the virtual travel community at Travellersnoint com
	Zhang et al. (2016)	A Beijing film tourist attraction (Grand View Gardens)	20 residents	Data from qualitative interviews
	Zhang and Ryan (2018)	Local residents' perceptions of a	20 tourists and 20	Data from qualitative interviews

Table 2.Content analysis in tourism research and CATA

CATA	Author(s)	Research theme	Sample size	Data source
CATPAC and WORDER	Stepchenkova and	Russia's destination image in the	212 websites	Online content of tour operator websites about Breesia
	Stepchenkova and Morrison (2008)	Stereotypical and effective images of Russia among US pleasure travelers	337 US pleasure travelers	Web-based survey with open-ended responses, comparing the favorability of effective images for US visitors and non-visitors
CATPAC and TextSmart	Ryan and Cave (2005)	Conversations with various groups of residents and visitors in New Zealand with reference to Auckland as a visitor destination	40 responses	Data from qualitative interviews
CATPAC and Leximancer	Trinh and Ryan (2017)	Similarities and differences between Australian, Chinese, German and New Zealand visitors to a Maori cultural site	More than 200 respondents	Data from qualitative interviews
Nvivo	Xiao and Mair (2006)	China's destination image in newspaper 41 newspapers	41 newspapers	Articles about China published in major English
	O'Connor (2010)	Causes of satisfaction and	100 hotels	newspapers International tourist reviews on TripAdvisor
	Wong et al. (2020)	ussaussacuon among reviewers Hotel guest satisfaction in Kuala Lumpur	192 hotels	Rated hotels on TripAdvisor
CATPAC II SPSS Choi et al. (2007)	Choi <i>et al.</i> (2007)	Image representations of Macau on the Internet	61 websites	Sample of websites (12 magazines, 15 travel guide, 20 travel trade and 14 travel blogs)
VBPRO and SPSS	Andsager and Drzewiecka (2002)	Image representations of New York City and South Africa	52 respondents	Data from qualitative interviews
SPSS and TextSmart	Lockyer (2005)	The most important factors to consider when booking a motel or hotel	Four focus groups using a modified nominal group approach	Focus group discussion
IBM Watson Explorer Content Analytics 11.0.1	Nakayama and Wan (2018)	Cultural differences between Western and Japanese reviews of a Japanese restaurant	56,159 Japanese reviews and 76,704 Western reviews	Tourist reviews on Yelp (www.yelp.co.jp)

Based on the three open-ended questions by Echtner and Ritchie (1993), which have been widely used in tourism destination image studies, and Stepchenkova and Morrison's (2008) questions, our question was: "Please think for a moment about Andalusia's rural tourism and then describe the concepts evoked in your mind."

For content analysis of the responses, Leximancer was used to analyze the data. Leximancer (2011) is content analysis software that uses word frequency and co-occurrence to identify main concepts via a co-occurrence matrix.

A total of 210 surveys were issued, and 123 valid responses were received. Leximancer is different from other content analysis software such as NVivo or CATPAC because it applies its own algorithms to analyze the data (Tseng *et al.*, 2015). Leximancer performs semantic extraction followed by relational extraction (Smith and Humphreys, 2006).

4. Results

Figure 1 shows how Leximancer quantified and displayed the conceptual structure of the themes detected. Leximancer simulates relationships between the concepts (Smith and Humphreys, 2006) and creates clusters of words. The resulting concept map allows us to visualize concept frequency (brightness), total concept connectedness, direct inter-concept relative co-occurrence frequency (ray intensity) and total inter-concept co-occurrence (proximity) (Smith and Humphreys, 2006). Colored spheres represent themes and dots represent concepts. Themes are heat-mapped, so red (Andalusia) is the most important theme.

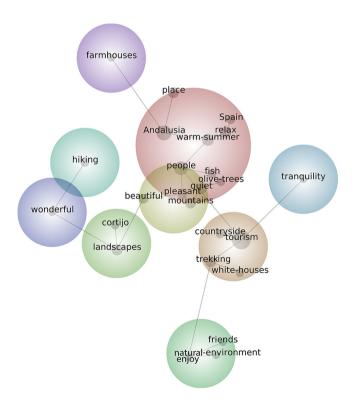


Figure 1. Leximancer map and concept terms

holistic

The study of a

Figure 2 shows how Leximancer examined the relative strength of the connecting lines between concepts. By clicking on each concept and examining the relative strength of the connecting lines, we can appreciate their co-occurrences.

Figure 2 displays the concepts that respondents linked with this destination, for example, warm summer, relax, olive trees, quiet, pleasant or *cortijo*. *Cortijo* refers to a large country house with accessory buildings such as workers' quarters, granaries, sheds to house livestock and oil mills, and it usually has a wall enclosing a courtyard (López Ontiveros, 2003); this word was not translated.

Table 3 provides a thematic summary of the nine main themes and their connectivity rates. The left column indicates the relative importance of the clusters within the dataset. Of these, Andalusia is the most important theme, with 100% connectivity.

Table 4 reports the rankings of name- and word-like concepts. Relevance is calculated based on the frequency of occurrence (the concept of tourism occurs 42 times and has a relevance of 100%).

As Table 4 shows, Andalusia is associated with the concepts such as "relax," "warm summer" and "olive trees."

"Fish" has a richer meaning, as it appears to relate to consuming fried fish, a typical dish of the coastal zones of Andalusia.

As in Tseng *et al.*'s (2015) study on China, Andalusia should be considered to create an overall and united impression rather than a fragmented destination image, making it an individual theme.

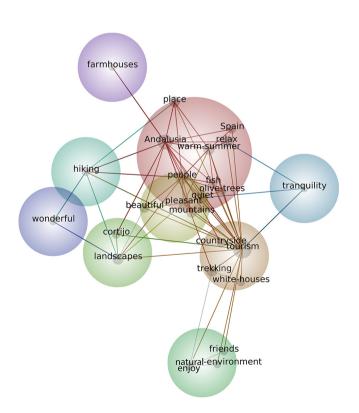


Figure 2.
Leximancer map with connecting lines between concepts

Table 3. List of obtained themes

Table 4.

Ranked concept list

Andalusia

Spain

In the second stage, Leximancer identified the terms that were associated with favorable and unfavorable sentiments.

Table 5 presents selected concepts with a favorable sentiment and their related word-like attributes. For example, for the first concept, "tourism," 100% of the comments about white houses mentioned tourism.

Therefore, as Table 5 shows, by classifying the concepts together with their rating, we can determine if they are most likely to occur in comments indicating positive or negative feelings.

Theme	Connectivity(%)
Andalusia	100
Tourism	50
Mountains	26
Landscapes	15
Enjoy	8
Hiking	5
Tranquility	2
Wonderful	2
Farmhouses	1

Word-like	Count	Relevance(%)
Tourism	42	100
People	11	26
Place	10	24
Warm summer	8	19
Relax	8	19
Landscapes	8	19
Quiet	5	12
Trekking	5	12
Beautiful	5	12
Hiking	5	12
Enjoy	5	12
Cortijo	5	12
Mountains	3	7
Fish	3	7
Tranquility	3	7
Pleasant	2	5
Countryside	2	5
White houses	2	5
Olive trees	2	5
Natural environment	2	5
Farmhouses	2	5
Friends	1	2
Wonderful	1	2
Name-like	Count	Relevance(%)

19

3

45

7

																																								—
summer	Likelihood	Likelihood	%29	16%	Likelihood	20%	20%	33%	27%	12%	$\frac{10\%}{=\%}$	7%													Likelihood	20%	Likelihood	11 /0 I ilrolibood	100%	20%	38%	33%	(continued)		Tł			hol ina	of list atio	ic on
pt: warm	Count	Count	2	လ	Count	1	П	П	က	П		n													Count	2	Count	7 7	2 2	1	က	1							33	
Selected concept: warm summer	Sentiment	ravorabie Related name-like	Spain	Andalusia	Related word-like	Olive trees	Pleasant	Fish	People	Relax	Place	Tourism													Sentiment	Favorable	Related name-like	Polotod mond lile	Pleasant	Olive trees	Warm summer	Mountains		-						
ive trees	Likelihood	Likelihood	33%	21%	Likelihood	20%	12%	%6	2%															Selected concept:	Likelihood	25%	Likelihood	0/C	50%	33%	20%	20%								
Selected concept: olive trees	Count	Count	1	4	Count	П	1	-	1																Count	1	Count	Count	20mit	1	1	1								
Select	Sentiment	ravorabie Related name-like	Spain	Andalusia	Related word-like	Pleasant	Warm summer	People	Tourism															Selected concept: mountains	Sentiment	Favorable	Related name-like	Polotod mond lileo	Pleasant	Fish	Quiet	Trekking								
	Likelihood	Jo 76 Likelihood	33%	21%	Likelihood	100%	100%	%29	%09	20%	20%	20%	20%	45% 40%	40%	40% 38%	000	33% 99%	33% 91%		20%	20%	20%	Select	Likelihood	20%	Likelihood	Libootiboot	100%	20%	40%	33%								
urism	Count	Count	1	4	Count	2	.	2	က	_	П,	П,	- ι	o c	7 C	7 0	o -	٦,	– (N ·	Н,	Н,		lscapes	Count	2	Count	Count	1	П	2	П								
Selected concept: tourism	Sentiment	ravorable Related name-like	Spain	Andalusia	Related word-like	White houses	Friends	Mountains	Trekking	Pleasant	Countryside	Olive trees	Natural environment	People Oot	Amer Amer	Worm cummer	Wallii Sulliilei Eish	Fish	Iranquility	Kelax	Beautiful	Hiking	Enjoy 1	Selected concept: land	Sentiment	Favorable	Related name-like	Doloted would like	Wonderful	Pleasant	Beautiful	Mountains				Sele a	nd	d co: asso	ble ncep ociat mer	ots ed

Enjoy	1	20%	Beautiful	1	20%	Fish	1	33%
Cortijo	1	20%	Relax	1	12%	Place	2	20%
Quiet	1	20%	Landscapes	1	12%	Quiet	1	20%
T	1	20%	People	1	%6	Beautiful	1	20%
Hiking	1	20%	Tourism	2	2%	Hiking	1	%02
People	1	%6				Landscapes	1	12%
Tourism	1	2%				Tourism	2	12%

Table 5.

The study of a holistic destination image

335

5. Discussion and conclusions

5.1 Conclusions

This research demonstrated the application of CATA software in identifying primary associations and impressions of a specified tourist destination by investigating the following questions:

- Q1. What unique attributes are associated with Andalusian rural tourism?
- Q2. What are the main clusters of associations and impressions of the destination?
- Q3. What attributes are associated with a favorable sentiment?

Thus, the main clusters were identified, and the key concepts extracted show the distinct attributes associated with Andalusia, such as *cortijo*, fish, tranquility, warm summer, olive trees and white houses.

The progress in the field of destination marketing and techniques to measure a destination image, along with the development of effective marketing practices, could be helpful for the development of rural tourism.

5.2 Theoretical implications

Unstructured approaches have been increasingly recognized as a relevant technique because they allow a wide view of the concept and reveal holistic and psychological impressions associated with a destination.

The results presented herein demonstrate how a text-mining tool can be used to study the image of a tourist destination by visualizing the structure of concepts and themes. This technique maps the structure of the evoked concepts and identifies links between the words associated with a specific tourist destination.

The application of the Leximancer approach provided a picture of the attributes associated with Andalusia's rural tourism by revealing visual diagrams and figures along with lexical concepts. The results represent a preliminary exploration of the image of Andalusia.

5.3 Practical implications

The present research aims to fill a gap in the literature owing to a lack of recent destination image studies with a focus on Andalusia's rural tourism. Andalusia is a tourist area with diverse landscapes, which offers warm temperatures and beaches. The international image of Andalusia as a destination has traditionally been related to the sun and sand, but, in recent years, rural areas have increased the offer of tourist products based on their own natural and/or cultural resources (Andrades-Caldito et al., 2012). Andalusia could benefit by diversifying and increasing their emphasis on other types of product, such as those related to rural tourism.

Rural tourism in Andalusia has been growing in the past few years, and occupancy levels of rural accommodation have begun to recover since the spring of 2020, after travel restrictions owing to the COVID-19 pandemic were eased (INE, 2020).

From a managerial perspective, improvements are needed in the communications strategy of the selected area, especially against the background of the current global crisis.

The identification of the relevant attributes and impressions could also serve to identify unique selling propositions to help tourism organizations develop the destination. Analyzing the concept list and their frequencies, results reveal that "relax," "quiet" and "tranquility" are positively associated with Andalusia.

Amid the present global public health crisis, we propose that the association with these attributes could be increased. Branding techniques could be adopted to emphasize these attributes and the uniqueness of rural tourism in Andalusia.

In the current context of the COVID-19 pandemic, mass tourism could be associated with crowdedness and risk, and tourists could have increased propensity to avoid overcrowded and mass tourism destinations (Zenker and Kock, 2020). Zhu and Fumin (2020) highlight that rural tourism has several advantages (e.g. low density of tourist flow, relaxation) that could help tourists feel safe in the context of the pandemic. There is a potential to develop rural tourism during the tourism recovery phase of Andalusia.

5.4 Limitations and proposals for future research

Though the proposed technique can be useful for certain purposes, it alone cannot show a location's destination image because the nature of the construct, identified by Gallarza *et al.* (2002), is complex, as the concept is not static and there are multiple factors or variables that comprise a location's destination image.

The application of Leximancer provided a more comprehensive picture of the concepts evoked by rural tourism in Andalusia, but one of the major limitations of this study was that it was conducted on a convenient sample.

Further research is needed to apply the results to destination branding, because it is a complex process that must be evaluated by taking the conditions of the existing organic image and marketing-generated image, destination size and composition and positioning and target markets into consideration (Cai, 2002).

Future research could also compare the results obtained among different software programs such as Leximancer, CATPAC, and WORDER. A post-COVID study of the concepts associated with rural tourism in Andalusia is encouraged. As Zenker and Kock (2020) reveal, the images that potential tourists attribute to the destination could have changed owing to the COVID-19 pandemic.

To enhance the understanding of the concepts evoked by a destination, this study must be replicated in other destinations.

We hope this research can provide information for the understanding of destination image and help destination marketing organizations adopt branding techniques to emphasize the uniqueness of rural tourism in Andalusia.

References

Andrades-Caldito, L., Sanchez-Rivero, M. and Pulido-Fernandez, J.I. (2012), "Differentiating competitiveness through tourism image assessment: an application to Andalusia (Spain)", Journal of Travel Research, Vol. 52 No. 1, pp. 68-81.

Andsager, J.L. and Drzewiecka, J.A. (2002), "Desirability of differences in destinations", Annals of Tourism Research, Vol. 29 No. 2, pp. 401-421.

Assael, H. (1984), Consumer Behavior and Marketing Action, Kent Pub. Co, Boston.

Baloglu, S. and McCleary, K.W. (1999), "A model of destination image formation", Annals of Tourism Research, Vol. 26 No. 4, pp. 868-897.

Berelson, B. (1952), Content Analysis in Communication Research, Free Press, New York, NY.

image

holistic

destination

The study of a

- Bigné, J.E., Sánchez, M.I. and Sánchez, J. (2001), "Tourism image, evaluation variables and after purchase behaviour: interrelationship", *Tourism Management*, Vol. 22 No. 6, pp. 607-616.
- Bigné, E., Sánchez, I. and Sanz, S. (2009), "The functional-psychological continuum in the cognitive image of a destination: a confirmatory analysis", *Tourism Management*, Vol. 3 No. 5, pp. 715-723.
- Boo, S. and Busser, J.A. (2018), "Meeting planners' online reviews of destination hotels: a twofold content analysis approach", *Tourism Management*, Vol. 66, pp. 287-301.
- Cai, L.A. (2002), "Cooperative branding for rural destinations", Annals of Tourism Research, Vol. 29 No. 3, pp. 720-742.
- Cheng, M. and Jin, X. (2019), "What do Airbnb users care about? An analysis of online review comments", *International Journal of Hospitality Management*, Vol. 76, pp. 58-70.
- Chiu, W. and Leng, H.K. (2017), "Let's go cycling: an analysis of tourists' experience on online usergenerated content", *International Journal of Tourism Cities*, Vol. 3 No. 1, pp. 30-42.
- Chiu, W., Bae, J.S. and Won, D. (2017), "The experience of watching baseball games in Korea: an analysis of user-generated content on social media using Leximancer", *Journal of Sport and Tourism*, Vol. 21 No. 1, pp. 33-47.
- Choi, S., Lehto, X.Y. and Morrison, A.M. (2007), "Destination image representation on the web: content analysis of Macau travel related websites", *Tourism Management*, Vol. 28 No. 1, pp. 118-129.
- Crompton, J.L. (1979), "An assessment of the image of Mexico as a vacation destination and the influence of geographical location upon the image", *Journal of Travel Research*, Vol. 17 No. 4, pp. 18-23.
- Darcy, S. and Pegg, S. (2011), "Towards strategic intent: perceptions of disability service provision amongst hotel accommodation managers", *International Journal of Hospitality Management*, Vol. 30 No. 2, pp. 468-476.
- Duriau, V.J., Reger, R.K. and Pfarrer, M.D. (2007), "A content analysis of the content analysis literature in organization studies, research themes, data sources and methodological refinements", *Organizational Research Methods*, Vol. 10 No. 1, pp. 5-34.
- Echtner, C. and Ritchie, J. (1991), "The meaning and measurement of destination image", *Journal of Tourism Studies*, Vol. 2 No. 2, pp. 2-12.
- Echtner, C.M. and Ritchie, J.R.B. (1993), "The measurement of destination image: an empirical assessment", *Journal of Travel Research*, Vol. 31 No. 4, pp. 3-13.
- Echtner, C.M. and Ritchie, J.R.B. (2003), "The meaning and measurement of destination image", *Journal of Tourism Studies*, Vol. 14 No. 1, pp. 37-48.
- Ferrari, G., Mondejar, J. and Vargas, M. (2010), "Environmental sustainable management of small rural tourist enterprises", *International Journal of Environmental Research*, Vol. 4 No. 3, pp. 407-414.
- Gallarza, M.G., Gil Saura, I. and García, H.C. (2002), "Destination image", *Annals of Tourism Research*, Vol. 29 No. 1, pp. 56-78.
- Govers, R., Go, F.M. and Kumar, K. (2007a), "Promoting tourism destination image", *Journal of Travel Research*, Vol. 46 No. 1, pp. 15-23.
- Govers, R., Go, F.M. and Kumar, K. (2007b), "Virtual destination image a new measurement approach", *Annals of Tourism Research*, Vol. 34 No. 4, pp. 977-997.
- Hunt, J.D. (1975), "Image as a factor in tourism development", *Journal of Travel Research*, Vol. 13 No. 3, pp. 1-7.
- INE (2020), available at: www.ine.es/jaxiT3/Datos.htm?t=2942#!tabs-tabla
- Jenkins, O. (1999), "Understanding and measuring tourist destination images", *International Journal of Tourism Research*, Vol. 1 No. 1, pp. 1-15.

- Josiassen, A., Assaf, A.C., Woo, L. and Kock, F. (2015), "The imagery-image duality model: an integrative review and advocating for improved delimitation of concepts", *Journal of Travel Research*, Vol. 55 No. 6, pp. 789-803.
- Kim, H. and Richardson, S.L. (2003), "Motion picture impacts on destination images", Annals of Tourism Research, Vol. 30 No. 1, pp. 216-237.
- Kirilenko, A.P. (2007), "worder 2.2", Computer software, available at: http://kirilenko.org/worder.
- Kock, F., Josiassen, A. and Assaf, A.G. (2016), "Advancing destination image: the destination content model", *Annals of Tourism Research*, Vol. 61, pp. 28-44.
- Kotler, N., Haider, D.H. and Rein, I. (1994), Mercadotecnia de Localidades, Diana, Mexico.
- Lai, K. and Li, X. (2016), "Tourism destination image: conceptual problems and definitional solutions", Journal of Travel Research, Vol. 55 No. 8, pp. 1065-1080.
- Laurent, G., Kapferer, J.N. and Roussel, F. (1995), "The underlying structure of brand awareness scores", *Marketing Science*, Vol. 14 No. 3_supplement, pp. 170-179.
- Lawson, F. and Bond-Bovy, M. (1977), Tourism and Recreational Development, Architectural Press, London.
- Leximancer (2011), "Leximancer manual: Version 4", available at: www.leximancer.com/support/
- Lockyer, T. (2005), "Understanding the dynamics of the hotel accommodation purchase decision", International Journal of Contemporary Hospitality Management, Vol. 17 No. 6, pp. 481-492.
- López Ontiveros, A. (2003), Geografía de Andalucía, Ariel, Barcelona.
- Martín Martín, J.M., Guaita Martínez, J.M. and Burgos Mascarell, A. (2019), "Promotion and economic impact of foreign tourism", *Journal of Promotion Management*, Vol. 25 No. 5, pp. 722-737.
- Matos, N., Mendes, J. and Valle, P. (2012), "Revisiting the destination image construct through a conceptual model", *Dos Alvarves. A Multidisciplinary Journal*, Vol. 21, pp. 101-117.
- Moutinho, L. (1987), "Consumer behaviour in tourism", European Journal of Marketing, Vol. 21 No. 10, pp. 5-44.
- Murphy, P., Pritchard, M.P. and Smith, B. (2000), "The destination product and its impact on traveller perceptions", *Tourism Management*, Vol. 21 No. 1, pp. 43-52.
- Nakayama, M. and Wan, Y. (2018), "Is culture of origin associated with more expressions? An analysis of yelp reviews on Japanese restaurants", *Tourism Management*, Vol. 66, pp. 329-338.
- O'Connor, P. (2010), "Managing a hotel's image on TripAdvisor", *Journal of Hospitality Marketing and Management*, Vol. 19 No. 7, pp. 754-772.
- Pearce, P.L. and Wu, M.Y. (2018), "Entertaining international tourists: an empirical study of an iconic site in China", *Journal of Hospitality and Tourism Research*, Vol. 42 No. 5, pp. 772-792.
- Pike, S. (2002), "Destination image analysis a review of 142 papers from 1973 to 2000", *Tourism Management*, Vol. 23 No. 5, pp. 541-549.
- Ryan, C. and Cave, J. (2005), "Structuring destination image: a qualitative approach", *Journal of Travel Research*, Vol. 44 No. 2, pp. 143-150.
- Scott, N. and Smith, A.E. (2015), "Use of automated content analysis techniques for event image assessment", *Tourism Recreation Research*, Vol. 30 No. 2, pp. 87-91.
- Smith, A.E. and Humphreys, M.S. (2006), "Evaluation of unsupervised semantic mapping of natural language with Leximancer concept mapping", *Behavior Research Methods*, Vol. 38 No. 2, pp. 262-279.
- Stepchenkova, S. and Li, X.R. (2014), "Destination image: do top-of-mind associations say it all?", Annals of Tourism Research, Vol. 45, pp. 46-62.
- Stepchenkova, S. and Mills, J.E. (2010), "Destination image: a meta-analysis of 2000–2007 research", Journal of Hospitality Marketing and Management, Vol. 19 No. 6, pp. 575-609.
- Stepchenkova, S. and Morrison, A.M. (2006), "The destination image of Russia: from the online induced perspective", *Tourism Management*, Vol. 27 No. 5, pp. 943-956.

image

holistic

destination

The study of a

- Stepchenkova, S. and Morrison, A.M. (2008), "Russia's destination image among American pleasure travelers: revisiting Echtner and Ritchie", *Tourism Management*, Vol. 29 No. 3, pp. 548-560.
- Stepchenkova, S., Kirilenko, A.P. and Morrison, A.M. (2009), "Facilitating content analysis in tourism research", Journal of Travel Research, Vol. 47 No. 4, pp. 454-469.
- Sun, M., Zhang, X. and Ryan, C. (2015), "Perceiving tourist destination landscapes through Chinese eyes: the case of South Island, New Zealand", *Tourism Management*, Vol. 46, pp. 582-595.
- Tapachai, N. and Waryszak, R. (2000), "An examination of the role of beneficial image in tourist destination selection", *Journal of Travel Research*, Vol. 39 No. 1, pp. 37-44.
- Tkaczynski, A., Rundle-Thiele, R.S. and Cretchley, J. (2015), "A vacationer-driven approach to understand destination image: a Leximancer study", *Journal of Vacation Marketing*, Vol. 21 No. 2, pp. 151-162.
- Trinh, T.T. and Ryan, C. (2017), "Visitors to heritage sites: motives and involvement a model and textual analysis", *Journal of Travel Research*, Vol. 56 No. 1, pp. 67-80.
- Tseng, C., Wu, B., Morrison, A.M., Zhang, J. and Chen, Y. (2015), "Travel blogs on China as a destination image formation agent: a qualitative analysis using Leximancer", *Tourism Management*, Vol. 46, pp. 347-358.
- Weber, R.P. (1990), Basic Content Analysis, Sage Publications, Newbury Park, CA.
- Woelfel, J.K. (1998), User's Guide Catpac II: version 2.0, Kah Press, New York, NY.
- Wong, E., Rasoolimanesh, S.M. and Pahlevan Sharif, S. (2020), "Using online travel agent platforms to determine factors influencing hotel guest satisfaction", *Journal of Hospitality and Tourism Technology*, Vol. 11 No. 3, pp. 425-445.
- Wu, M.-Y., Wall, G. and Pearce, P.L. (2014), "Shopping experiences: international tourists in Beijing's silk market", *Tourism Management*, Vol. 41, pp. 96-106.
- Xiao, H. and Mair, H.L. (2006), "A paradox of images" representation of China as a tourist destination", Journal of Travel and Tourism Marketing, Vol. 20 No. 2, pp. 1-14.
- Yu, C.-E. and Zhang, X. (2020), "The embedded feelings in local gastronomy: a sentiment analysis of online reviews", *Journal of Hospitality and Tourism Technology*, Vol. 11 No. 3, pp. 461-478.
- Zenker, S. and Kock, F. (2020), "The coronavirus pandemic a critical discussion of a tourism research agenda", *Tourism Management*, Vol. 81, pp. 104-164.
- Zhang, X. and Ryan, C. (2018), "Investigating tourists' and local residents' perceptions of a Chinese film site", *Tourist Studies*, Vol. 18 No. 3, pp. 275-291.
- Zhang, X., Ryan, C. and Cave, J. (2016), "Residents, their use of a tourist facility and contribution to tourist ambience: narratives from a film tourism site in Beijing", *Tourism Management*, Vol. 52, pp. 416-429.
- Zhu, H. and Fumin, D. (2020), "How to influence rural tourism intention by risk knowledge during COVID-19 containment in China: mediating role of risk perception and attitude", International Journal of Environmental Research and Public Health, Vol. 17 No. 10, p. 3514.

Further reading

- Berg, B.L. (1995), Qualitative Research Methods for the Social Sciences, Bacon and Allyn, Boston.
- Castro, C.B., Martín Armario, E. and Martín Ruiz, D. (2007), "The influence of market heterogeneity on the relationship between a destination's image and tourists' future behavior", *Tourism Management*, Vol. 28 No. 1, pp. 175-187.
- Li, X. and Stepchenkova, S. (2012), "Chinese outbound tourists' destination image of America: part I", Journal of Travel Research, Vol. 51 No. 3, pp. 250-266.
- Pearce, P.L. and Wu, M.Y. (2016), "Tourists' evaluation of a romantic themed attraction: expressive and instrumental issues", *Journal of Travel Research*, Vol. 55 No. 2, pp. 220-232.

JHTT 12,2

340

About the authors

Vanesa F. Guzman-Parra is Associate Professor of Management in the Faculty of Economics and Business Science at the University of Malaga (Spain). She is the Director of Catedra de Empresa Familiar de la Universidad de Málaga. Her research includes rural tourism, family business, innovation in teaching methodology and destination Image. She has presented her research in journals such as *Tourism Management Perspectives, Small Business Economics, Tourism Management Studies, Management Decision* and *Business Research Quarterly*. Vanesa F. Guzman-Parra is the corresponding author and can be contacted at: vgp@uma.es

Juan Antonio Trespalacios Gutiérrez is Professor of Marketing at Universidad de Oviedo. His research includes marketing, service quality, commercial distribution and organizational learning in distribution channels. He has presented his research in journals such as Journal of European Industrial Training, International Journal of Retail and Distribution Management, Journal of Marketing Channels, Industrial Marketing Management or European Journal of Marketing. He served as an elected Director of the Department of Business Administration and Accounting at Universidad de Oviedo, Director of Instituto Universitario de Empresa, Director of Catedra Fundación Ramón Areces

Jose Roberto Vila Oblitas is Assistant Professor of Marketing in the Faculty of Economics and Business Science at the University of Malaga (Spain). His research interests include film industry, family firms innovation in teaching methodology, tourism and rural tourism.