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Research Paper

Academic Vocabulary in Tourism Research Articles: A Corpus-Based Study

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Abstract

Developing academic vocabulary word lists plays a significant role in academic writing. The present study aimed to establish a Tourism Academic Word List (TAWL) of the most frequently-used tourism academic vocabulary across different sub-disciplines in tourism by examining a written corpus of academic research articles in this field. This study also sought to determine whether and to what extent the words identified as high frequency in the tourism corpus have been identified as high frequency in West's General Service List (GSL) and Coxhead's Academic Word List (AWL). By analyzing a 3.7-million-word corpus, it was found that AWL words account for 12.34% of the Tourism Research Articles Corpus (TRAC). Most of the AWL word forms fit into the word families included in Coxhead's first and second sub-lists. The high word frequency and the wide text coverage of TAWL throughout Tourism RAs proved that TAWL plays an important role in tourism RAs. High frequent AWL items exhibited a different frequency order from those in Coxhead's AWL. Furthermore, there were many non-AWL content word families that occurred with high frequency in the corpus. The developed wordlist can increase students' exposure to academic vocabulary and facilitate its learning.

Keywords: Academic Word List (AWL), Corpus Study, General Service (GSL), Tourism Academic Word List (TAWL)

Introduction

The investigation of the specialized vocabulary used in academic discourse has attracted great attention lately because of the growing demand for instruction for non-native English speakers (NNES) in different backgrounds and contexts. Given the huge size of the vocabulary of a language, and to maximize the effectiveness of its learning, word lists of the recurrent vocabulary of academic texts have been created. These lists have been believed to provide the vocabulary required to function appropriately in academic settings where scientific English discourse is dominant.

Scientific English as described by Halliday (2004) refers to a generalized functional variety, or register of the modern English language. The variation can be summarized in terms of field, tenor and mode: By field, indicating extending, transmitting or exploring knowledge in the physical, biological or social sciences; by tenor, whether it is addressed to specialists, to learners or to laymen, from within the same group or across groups (e.g., lecturer to students); and by mode, he refers to phonic or graphic channel, most congruent or less so and rhetorical function variety —expository, hortatory, polemic, imaginative and so on.

Researchers communicate within specific academic discourse communities through the research article genre. Research articles are written by scientists and are addressed to different scientists within the same discipline. They are the pre-eminent genre of the academy restructuring the processes of thought and reported research to establish a discourse for scientific fact-creation (Hyland, 2010). As Hyland and Paltridge (2011) puts it, three major developments over the past 20 years have aroused interest in academic discourse, and particularly academic writing in English: changes in higher education leading to greater interest to the importance of writing; position of English as the international language of research and scholarship; and the emergence of theoretical perspectives with their emphasis on the centrality of academic discourses knowledge construction.

With the increasing non-native and native academics publishing in English, study of academic discourse and academic vocabulary in particular is inevitable. Academic vocabulary are words reasonably frequent in a wide range of academic genres but relatively uncommon in other kinds of texts (Coxhead & Nation, 2001). Academic vocabulary is one of four levels of vocabulary division by Nation (2001). They are high frequency words, academic vocabulary, technical vocabulary, and low frequency words. High frequency general words are core words used very frequently in most language use (Nation & Hwang, 1995). West's (1953) General Service List (GSL) reporting the 2000 most frequent word families are of this kind.

However, Engels (1968) and Richards (1974) criticized West's (1953) list for its size and age. The size criticisms question the necessity of the second 1000 words of the GSL because they usually cover only 4-5% of the running words in non-fiction texts compared to the 70% plus coverage of the first 1000. The report on which the GSL is based was prepared in the 1930s and since language changes overtime, the GSL is too old, it contains many words that are not essential and does not contain high frequent current words (Nation & Hwang, 1995).

Nation and Waring (1997) suggest that EAP students need to first learn the 2000 or so most 'general' words of English, and continue by a set of "academic" words common to all academic disciplines. General words refer to the 2000-word family GSL mentioned above and academic words to the 570-word family Academic Word List or AWL (Coxhead, 2000). About 90 percent of the running words in an academic text is covered by Academic words and general words together. (Coxhead, 2000; Coxhead & Nation 2001; Nation, 2001)

AWL is based upon the analysis of 3.5-million-word corpus of written academic English in 28 sub-disciplines in four main disciplines of Art, Commerce, Law, and Science. AWL is formed by 570-word families selected according to three criteria: a) frequency of occurrence (occurrence of at least 100 times in the corpus), b) range (occur not less than 10 times in each of the 4 disciplines and in 15 or more subject areas) and c) specialized occurrence (be outside the first 2000 GSL words). Coxhead categorized the AWL items into 10 sublists according to their frequency. All sublists contain 60-word families, with the exception of the tenth sublist, which contains 30-word families. The most frequent AWL items in the first sublist, with 3.6% coverage of the corpus; the last sublist comprises the least frequent ones with a coverage of only 0.1% of the corpus. The coverage, however, was not the same for all the 4 subject areas: the list provides the highest coverage over commerce (12.0%) and the lowest over science (9.1%).

Hyland and Tse (2007) pointed out that individual lexical items on the list often occur and behave in different ways depending on the disciplines in terms of range, frequency, collocation, and meaning. As they pointed out "the different practices and discourses of disciplinary communities reduces the usefulness of such lists" and suggested "that teachers help students develop a more restricted, discipline-based lexical repertoire" (Hyland & Tse, 2007, p. 235).

According to Hyland and Tse (2007), the best way to prepare students for their academic studies is to provide them with an understanding of the features of the discourses they will encounter in their particular courses. As Coxhead, (2017) puts it, "Studying at university can mean exposure to several million running words a year through reading textbooks, source books, content and learning-based websites and other academic sources of information." p. 90. Word list research has also been driven by the needs of particular groups of language learners and to help set learning goals (Nation, 2016).

Given the fact that the field of tourism has been neglected in vocabulary studies, the current study aims to fill this gap by investigating the distribution and frequency of the AWL (and non-GSL/AWL) items in tourism research articles. In view of the above remarks, for teaching and learning general academic courses, tourism vocabulary would be essential to any academic tourism program. Therefore, this study sought to establish a TAWL and determine whether and to what extent the words identified as high frequency in the tourism corpus have been identified as high frequency in West's General Service List (1953) and Coxhead's Academic Word List (2000).

Literature Review

Academic vocabulary points to the lexical items that are rather frequent across a wide range of academic texts but are infrequent in other genres (Coxhead & Nation, 2001). Some developed word Campion studies have academic lists across disciplines. Elley (1971) and Praninskas (1972) developed the earliest lists of frequently used words students would encounter during their academic studies in a range of different university disciplines. Lynn (1973) and Ghadessy (1979) developed lists of difficult words for students who needed to read academic texts. The University Word List (UWL) contains 836 high frequencies non-GSL words across a wide range of disciplines was produced by Xue and Nation (1984) for university level students. They compiled the list from Campion and Elley (1971), Praninskas (1972), Lynn (1973), and Ghadessy (1979).

Coxhead (2000) developed the aforementioned academic word list whose frequency accounted for approximately 10% of tokens in academic texts. Coxhead (2000) set up a corpus of

3.5 million running words chosen from various academic journals and college course books in four primary subjects: the arts, commerce, law and natural science. The AWL list that contains 3,112 individual items, does not include words in the most frequent 2,000-word families in the English language and West's (1953) GSL.

Field-specific academic word lists or discipline-based lexical repertoires have been produced for different disciplines. Kwary and Artha (2017) created and tested a word list called the Academic Article Word List for Social Sciences. Lei Lei and Dilin Liu (2016) developed a new medical academic vocabulary list based on the results of a series of comparative analyses. Hsu (2013), Wang, Liang and Ge (2008), Chen and Ge, (2007), developed medical academic word lists too. Wang et. al presented a word list including 623 non-GSL word families occurring frequently across medical research articles. A coverage of almost one-tenth over their corpus was provided by the list. Only 342 of the 623 high frequency word families they identified concurred with those listed in AWL. Chen and Ge (2007) found that only 292 of 570 AWL's word families were frequent in medical research articles and 179 AWL items either did not occur or occurred infrequently in the corpus.

Now an increasingly sophisticated body of research and knowledge is available on various aspects of the discipline in Iranian context including Azadi and Chalak (2017); Elekaei, Faramarzi and Heidari Tabrizi (2015); Faramarzi, Elekaei and Heidari Tabrizi (2015); Heidari Tabrizi (2017); Jamalzadeh and Chalak (2019); Noorizadeh-Honami and Chalak (2018); Shirani and Chalak (2016, 2018); and Vaezi and Heidari Tabrizi (2015) to name but a few. For example, Jamalzadeh and Chalak (2019) identified 1450 high frequent academic word families in physiotherapy research articles and compared it with the distribution of high frequency words in Coxhead's (2000) Academic Word List and West's (1953) General Service. It was found that of the 570-word families in AWL, 562 occurred frequently in physiotherapy research articles and this provided a coverage of 11.51 of the tokens in the corpus.

Valipouri and Nassaji, (2013) developed an academic word list for chemistry discipline. They examined a 4-million-word corpus of chemistry research articles. They identified 1400word families used with a reasonable frequently in the corpus. Muñoz (2015) and Martinez et. al.'s (2009) academic word lists included 1941-word families occurring frequently in agriculture corpus. Li and Qian (2010) profiled the presence of the AWL in a financial services corpus. It was found that only about one third of AWL items were frequently used in their corpus. Hyland and Tse (2007) compared the use of academic words in textbook chapters, academic book reviews, master's theses, and doctoral dissertations. Collectively, these studies outline a critical role for domain-specific word lists. They call for more research that examines field-specific corpora in order to develop such word lists for students studying in different disciplines. In the present study, a large written corpus of academic research articles in the field of tourism were examined to develop an academic word list that could be useful for tourism students. An academic word list exclusively for tourism students can be taught and directly studied in the same way as the words from the GSL. A tourism academic word list can also play an important role in helping EFL tourism students learn academic English more effectively.

Therefore, this study aimed to establish a Tourism Academic Word List (TAWL) of the most frequently-used tourism academic vocabulary across different sub-disciplines in tourism by examining a written corpus of academic research articles in this field. This study also sought to determine whether and to what extent the words identified as high frequency in the tourism corpus have also been identified as high frequency in West's (1953) General Service List (GSL) and Coxhead's (2000) Academic Word List (AWL) and vice versa. In other words, the second

objective was to check the overlap and the difference between our list and the current well-known general and academic word lists, and hence highlight its usefulness for tourism students. Thus, the following research questions were posed:

- 1. What are the most frequently used academic words in a corpus of tourism research articles?
- 2. What AWL word forms occur with high frequency in the Tourism Research Articles Corpus?
- 3. What non-AWL content word forms occur with high frequency in the corpus of Tourism Research Articles?

Methodology

Design and Context of the Study

A 3.7-million-word corpus of tourism research articles as explained in details in the following part was collected. This study as a quantitative research has a descriptive research design and has been conducted through gathering, analyzing, and presenting the collected data.

The Corpus

A specialized corpus was built to represent research articles genre, science register, and discipline of tourism. It was designed following the criteria proposed by Sinclair (1991, 2005) and Barnbrook (1996), considering representativeness, specificity of corpus, use of whole documents, and availability in electronic form. The relevant research articles were obtained from the electronic ISI journals of *Annals of Tourism Research, Journal of Hospitality and Tourism Management, Tourism Management* and *Tourism Management Perspectives*, all downloaded from Elsevier with full text. The articles included in the corpus were published between 2017 and 2018. Swales's (1990) model was followed and all the articles included in the corpus had identifiable Abstract, Introduction, Method, Result and Discussion sections (IMRD). Thus, if an article did not follow IMRD format, they were not selected.

A three-step selection was followed to choose the sample tourism research articles for the corpus. Firstly, only research articles focusing on empirical studies, written in the identifiable Introduction, Method, Result, and Discussion sections, were included in the TRAC.

Secondly, the research articles chosen had to have been published between 2017 and 2018. Thirdly, the length of the chosen articles must be longer than 2,000 running words and shorter than 10,000 running words. After this three-step selection a total of 400 articles were chosen for the TRAC. The articles were collected in their electronic version with their reference lists, appendices, captions, footnotes, and acknowledgments removed (Swales, 1990). The corpus represents a genre, experimental research articles, and a field, that is, tourism. The results show that the TRAC contains 3,711,779 running words.

Table 1Description of the Corpus

	Corpus				
Genre	Research Articles				
Discipline	Tourism				
Domain	Four ISI journals published online				
Sources of the articles	Elsevier				
Period (publication)	2017-2018				
size	3,711,779 words – 400	articles			
Writers	Mostly	faculty			

Readers	University students	s, specialists, and non-spec	cialists with some
Purposes	expertise	in	Tourism
_	To inform, instruct	, explain	

Data Processing

The research articles were in a PDF format and had to be converted into a .txt for further processing. After obtaining the corpus, the software called AntWordProfiler available from Laurence Anthony's Website was used for analysing the vocabulary load of texts. This tool generates vocabulary statistic and frequency information about a corpus of texts loaded into the program. It compares the files against a set of vocabulary level lists that can be plain frequency lists or 'family lists' based on the research of Paul Nation. (Anthony, 2014). Most of the previous studies on developing academic vocabulary have used Range software. AntWordProfiler 1.4.0w Vocabulary Analysis programs, is a much more modern version of the program with numerous extra features (Nation, 2014). Previously, Jamalzadeh, 2017 used another corpus analysis toolkit of the same series called AntConc for conducting a corpus-based study on cohesive conjunctions on medical research articles and it was found as an efficient and really user-friendly program. Thus using the program, the number of occurrences of each word, its range (i.e. in how many different texts each word has occurred) as well as the words shared with the AWL and GSL word lists were determined.

For a word family to be included in the list, Coxhead's (2000) procedure was followed. Coxhead's corpus for the AWL consisted of 3.5 million words and the non-GSL word families that occurred 100 times in the entire corpus and at least 10 times in each of the 4 disciplines were included in her list. Since she words with a frequency of 100 times in the whole corpus were selected, it becomes almost 28.5 times in a million words. There were 3,711,779 words, so it was decided that the cut-off frequency of members of a word family should be equal to or higher than 106 times in the whole corpus to be included in the list. All the content words that met the set criteria were identified. Function words such as pronouns, auxiliaries, articles, and numbers were excluded from the analysis as these were considered too general.

Results

Establishment of a Tourism Academic Word List

Identifying words that were frequently used by academic writers in the field of tourism concerned one of the main questions of this study. To answer this question, the two criteria of range and frequency used by Coxhead (2000) were applied. As noted earlier, all words with a frequency of 106 or more were considered as frequent.

After the elimination of the GSL word families 1002 content word families were left which constituted Tourism Academic Word List (TAWL). It includes 469 AWL word families plus 533 non-GSL/non-AWL word families. The full list of these word families is presented in the Appendix. Words shared with AWL are bold and the non-AWL and non-GSL words are in regular font.

AWL and TAWL Word Forms Used in the TRAC

The coverage of GSL, AWL, and non-GSL/non-AWL words (word families and word tokens) in TRAC corpus is depicted in Table 2. As Table 2 shows, the 2000 most frequent word families of GSL accounted for 2,480,109 tokens (66.81%) of the corpus. As for AWL words, of the 570 AWL word families, 569 occurred in tourism corpus, out of which 469 met the cut-off frequency criterion. The frequency counts of tokens of these word families were 457,982 accounting for a coverage of 12.34% of TRAC. The AWL coverage in TRAC is higher than the coverage in both Coxhead's science corpus (i.e. 9.1%), which consisted of different scientific disciplines, and in Coxhead's multi-disciplinary corpus (10%). Out of the 1002-word families in TAWL, 533 word (53.47) were not among GSL and AWL.

Table 2

The Coverage of Different Base Word Lists Over TRAC

Word lists	Tokens	% of TRAC
1st GSL	2,254,693	60.74
2nd GSL	225,416	6.07
AWL	457,982	12.34
Non-GSL/AWL	773,688	20.84
Total	3,711,779	100

Table 3

The First 10 Most Frequent Words in TAWL

Word	Frequency	Word	Frequency
tourism	43974	study	14899
have	21127	journal	11525
research	18479	use	10922
manage	15718	experience	9408
tour	15489	relation	9357

Table 3 displays the 10 most frequent word families and their frequency in TAWL. The most frequent word in TAWL is the *physical* word family, which occurred more than 9,000 times in TRAC.

Discussion

The present study was an attempt to identify frequently used words in TRAC and develop a word list for tourism students. Furthermore, the list was compared with the academic word list (AWL) to explore its coverage. GSL or general academic words were excluded. Thus, a word list based on frequency and range of AWL word families and non- AWL/ GSL was constructed (presented in the appendix).

An analysis of the TAWL

This study found that the coverage of AWL word forms in the Tourism Research Articles Corpus was 12.34. This is higher than 9.3% coverage of AWL found in Hyland and Tse's (2007) science sub-corpus, 9.1% of Coxhead's (2000) science sub-corpus, 9.06% in Martinez et al.'s corpus of agricultural research articles and the 11.7% coverage over applied linguistics corpus in

Vongpumivitch, Huang, and Chang's (2009) study. These findings endorse the idea that AWL items are not equally useful for students in specific fields.

Regarding the first research question altogether, 1002-word families with a reasonable frequently were identified in the corpus. These words are called tourism Academic Word List (TAWL). A full list of these words is presented in the Appendix. Word families of tourism, have and research appear most often (43974,

21127 and 18479 times, respectively). In this study, the 10-word families with the highest frequencies account for 4.6% of running words in the corpus. Conversely, architecture, bay booking, deem, hub, impairment, lovelock and reform word families appear least often (106 times). In this study, the 10-word families with the lowest frequencies account for only 0.02% of the running words in the corpus.

Comparing the TAWL with the AWL

The second question in this research was about comparing the most frequently Tourism research articles academic words against Coxhead AWL and West GSL word lists. The TAWL list was compared with academic word list. (AWL) to explore its coverage. TRAC shares 569word families with the AWL. Frequency analysis shows that there are 469 AWL word forms that occur more than 106 times in TRAC. While Following Coxhead (2000), the most frequent 60word families in the corpus were calculated and also compared them with those in Coxhead's sublists. The headwords of these word families are shown in Table 4. The numbers in front of the words show the sublists of Coxhead's AWL they belong to. Coxhead divided the AWL into ten rank-ordered sublists, according to decreasing word family frequency, except sublist 10, each sublist contains 60 items. be that most of frequently-occurring words in the TRAC come from Coxhead's first two sublists (sublists 1 and 2). Within the 60-word families, bold type indicates those that coincided with items in sublist 1 of Coxhead's AWL.

Among the first 60-word families, 29 coincided with Coxhead's sublist 1, 3 items more than that in Martinez et al.'s (2009) corpus of agricultural research articles, and 6 items fewer than that in Hyland and Tse's multi-disciplinary corpus. As explained by Coxhead (2000, p. 228), words in her first sublist "account for more than one-third of the total coverage of the list," which means that the words in her first sublist are the most frequently-occurring words in her AWL. Coxhead's next sublist, sublist 2, covers 1.8% of her academic corpus, while her last sublist, sublist 10, covers only 0.1% of her corpus. This decreasing coverage of AWL sublists in Coxhead's corpus is illustrated in the TRAC corpus as well. 18-word families come from Coxhead's sublist 2. Only a few of the top 60 AWL word forms found in the TRAC come from Coxhead's third, fourth, fifth and sixth seventh, sublists and no word form in the top 60 list comes from Coxhead's seventh, eighth, ninth and tenth sublists. Given the fact that Coxhead's corpus covers four disciplines (Arts, Commerce, Law, and Science) while our ALC corpus only covers research articles in applied linguistics, this similarity of AWL distribution is interesting. It emphasizes the importance of learning the frequently-occurring AWL words, especially those that come from Coxhead's first two sublists, regardless of the learners' field, and also validates the use of a corpus-based approach to create an academic word list, especially for specific fields of study.

To sum up, compared to the AWL, the TAWL includes more word families and can better reflect lexical features of tourism research articles.

Table 4The First Most Frequent 60 AWL Word Families in the TAWL Compared with AWL Sublists.

							with AWL Subilsts.
1.	research	2.	journal 2	3.	culture 2	4.	analyse 1
1							
5.	economy	6.	perceive 2	7.	vary 1	8.	identify 1
1							
9.	data 1	10.	theory 1	11.	respond 1	12.	environment 1
13.	factor 1	14.	significant 1	15.	impact 2	16.	participate2
17.	consume	18.	image 5	19.	process 1	20.	role 1
2			_				
21.	positive 2	22.	community 2	23.	create 1	24.	perspective 5
25.	-	26.	method 1	27.	individual 1	28.	focus 2
	approac						
h 1							
29.	strategy 2	30.	reside 2	31.	area 1	32.	motive 6
33.	sustain 5	34.	context 1	35.	indicate 1	36.	concept1
37.		38.	region 2	39.	specific 1	40.	affect 2
	structure				_		
1							
41.	negate 3	42.	construct 2	43.	site 2	44.	network 5
45.	benefit 1	46.	interact 3	47.	resource 2	48.	issue1
49.	attitude 4	50.	policy 1	51.	psychology 5	52.	contribute 3
53.	involve 1	54.	dimension 4	55.	item 2	56.	source 1
57.	sector 1	58.	institute 2	59.	author 6	60.	attribute 4

Coverage of Unlisted Words in the Tourism Corpus

The third research question in this research was about non-AWL content word forms with high frequency in the corpus of Tourism Research Articles. Unlisted words are the words that appear in neither the AWL nor the GSL. Table 2 shows that unlisted words cover 20.84% of the running words in TRAC.

This study aims to highlight field-specific academic words, so unlisted words are only compared with those in the AWL here. Two factors potentially explain why unlisted words have relatively high coverage in TRAC. First, the AWL does not include some academic words that are commonly used in tourism research articles and some AWL word families seldom appear in the TRAC. Table 5 shows some examples of unlisted vocabulary that appear in TRAC, and their word frequency is quite high. For example, *tourism* occurs 43974 times in the TRAC. In contrast, a number of AWL vocabulary items have extremely low frequency. The word *clause* is a case in point: Its frequency of occurring is 8. Second, in contrast to Coxhead's (2000) Academic Corpus, the TRAC is a specialized one and contains a relatively higher number of field-specific terms that occur often and widely in the discipline of tourism.

 Table 5

 Unlisted Words in the Tourism Corpus

tourism	43974	destination	6942	hospitality	6699	heritage	2345
online	2285	fig	2019	authenticity	1901	brand	1758
rural	1716	leisure	1641	organizationa	1 1485	engagement	1129

urban	1267	emotional	1184	emotions	1154	interviews	1009
cruise	1114	retrieved	1033	Climate	1027	travelers	849
cognitive	927	experiential	925	governance	858	crisis	770
collaboration	828	competitive	810	personality	791	regression	690
mobile	743	Festival	737	resort	722	emotion	658
stakeholder	674	airport	668	Spatial	661	socio	632
career	656	outsourcing	651	indigenous	639	van	601
conservation	619	multi-617		pilgrimage	617	spirituality	567
scholars	593	questionnaire	583	interview	568	barriers	532
carbon	556	managerial	550	professor	543	recreation	488
engage	531	internet	517	mobility	495	Entrepreneur	ship 486

Conclusion

In this study, a 3.7-million-word corpus of research articles in tourism was examined. The aim was to identify frequently used words in tourism research articles and develop a word list for tourism students. The list was also compared with the academic word lists (AWL) to explore its coverage. In total, 1002-word families with a reasonable frequency in the corpus were identified. They were called words Tourism Academic Word List (TAWL). A full list of these words is presented in the Appendix. A comparison of TAWL with AWL showed that many of the AWL items were not used frequently in the subject area examined. High frequent AWL items had a different frequency order from those in Coxhead's AWL, indicating that academic words are not used similarly across disciplines. In addition, there were many non-AWL content word families that occurred with high frequency in our corpus. This supports the idea of developing field-specific vocabulary lists which derive from the target genres and texts that students need to read and write in their own academic discipline (Hyland & Tse, 2007; Wang et al., 2008; Martinez et al., 2009).

Hyland and Tse (2007) recommend that "teachers help students develop a more restricted, discipline-based lexical repertoire" (p. 235). Based on the findings of this study, students of tourism are recommended to direct their attention to the first two subsets of AWL as well as the list of words provided through the analysis of this study. Field-specific word lists for students in different disciplines is recommended. Field-specific lists can help students learn the necessary words specifically important for their field of study. For teaching and learning general academic courses, these word lists are considered as one of the best efficient and practical methods. It would be of special significance for tourism students/instructors and professionals in learning or using tourism academic vocabulary in reading and writing.

This research is only a preliminary study on the tourism academic vocabulary used in tourism RAs. If possible, the TAWL needs to be rechecked in larger corpora or in other genres of tourism, such as tourism textbooks or spoken tourism academic English. The occurrence of the words in different contexts was not examined and TAWL consisted of isolated words. Knowing words in isolation does not guarantee having knowledge of how to use or understand them in context. In addition, students need to know not only the meanings of words but also how they cooccur (collocations) with other words in specific domains. It is possible that each word may be associated with different words and that the frequency of these associations may vary in different contexts and disciplines. Thus, further research is needed to examine how words collocate with other words and how their specific meanings and functions vary in different disciplines It is

hoped that the availability of exercises and tests based on the TAWL will promote effective and efficient teaching and learning of tourism academic vocabulary.

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Appendix: Tourism Academic Word List (TAWL)

Note: AWL words are bold, non-GSL/non-AWL words are in regular font.

			n-AWL words are in regula		
1.	tourism	44.	construct	87.	academy
2.	research	45.	site	88.	framework
3.	journal	46.	network	89.	finance
4.	culture	47.	benefit	90.	previous
5.	analyse	48.	heritage	91.	media
6.	online	49.	destinations	92.	organizational
7.	hospitality	50.	interact	93.	major
8.	economy	51.	resource	94.	estimate
9.	perceive	52.	issue	95.	ethic
10.	vary	53.	attitude	96.	medical
11.	identify	54.	policy	97.	evident
12.	data	55.	psychology	98.	stakeholders
13.	theory	56.	contribute	99.	facilitate
14.	respond	57.	involve	100.	empirical
15.	environment	58.	dimension	101.	project
16.	factor	59.	fig	102.	link
17.	significant	60.	item	103.	overall
18.	impact	61.	authenticity	104.	consist
19.	participate	62.	source	105.	require
20.	consume	63.	sector	106.	investigate
21.	image	64.	institute	107.	transport
22.	role	65.	author	108.	tradition
23.	positive	66.	attribute	109.	conduct
24.	community	67.	locate	110.	technology
25.	create	68.	statistic	111.	challenge
26.	perspective	69.	evaluate	112.	outcome
27.	approach	70.	potential	113.	select
28.	method	71.	brand	114.	orient
29.	individual	72.	assess	115.	promote
30.	focus	73.	globe	116.	urban
31.	strategy	74.	job	117.	function
32.	reside	75.	similar	118.	theme
33.	area	76.	define	119.	aspect
34.	motive	77.	rural	120.	category
35.	sustain	78.	available	121.	period
36.	context	79.	innovate	122.	seek
37.	indicate	80.	survey	123.	interpret
38.	concept	81.	leisure	124.	emerge
39.	structure	82.	communicate	125.	emotional
40.	region	83.	hypothesis	126.	establish
41.	specific	84.	access	127.	implicate
42.	affect	85.	design	128.	final
43.	negate	86.	gender	129.	voluntary
	5				•

120	.•	185	, •	221	
130.	emotions	175.	constrain	221.	enable
101		176.	adapt	222.	furthermore
131.	engagement	177.	proceed	223.	indigenous
132.	invest	178.	collaboration	224.	generation
133.	rely	179.	consequent	225.	instance
134.	qualitative	180.	code	226.	bias
135.	relevant	181.	occur	227.	socio
136.	valid	182.	competitive	228.	equate
137.	conclude	183.	professional	229.	distinct
138.	range	184.	unique	230.	despite
139.	physical	185.	personality	231.	conservation
140.	accommodate	186.	regulate	232.	multi
141.	enhance	187.	status	233.	pilgrimage
142.	conflict	188.	predict	234.	comment
143.	retrieved	189.	labour	235.	phenomenon
144.	climate	190.	partner	236.	fund
145.	publish	191.	contemporary	237.	maintain
146.	reveal	192.	criteria	238.	intense
147.	mediate	193.	crisis	239.	stress
148.	interviews	194.	domestic	240.	internal
149.	generate	195.	insight	241.	van
150.	income	196.	mobile	242.	ensure
151.	diverse	197.	assume	243.	administrate
152.	dynamic	198.	festival	244.	transform
153.	achieve	199.	resort	245.	external
154.	highlight	200.	confer	246.	scholars
155.	element	201.	aware	247.	migrate
156.	distribute	202.	utilise	248.	appropriate
157.	complex	203.	evolve	249.	hence
158.	integrate	204.	commit	250.	prior
159.	cognitive	205.	cooperate	251.	target
160.	experiential	206.	regression	252.	questionnaire
161.	obtain	207.	encounter	253.	publication
162.	attach	208.	confirm	254.	contact
163.	emphasis	209.	feature	255.	norm
164.	section	210.	stakeholder	256.	percent
165.	goal	211.	airport	257.	interview
166.	demonstrate	212.	trend	258.	initial
167.	primary	213.	spatial	259.	spirituality
168.	index	214.	purchase	260.	normal
169.	implement	215.	emotion	261.	sage
170.	governance	216.	career	262.	carbon
171.	component	217.	revenue	263.	capacity
172.	alternative	218.	dominate	264.	illustrate
173.	corporate	219.	outsourcing	265.	maximise
174.	travelers	220.	correspond	266.	managerial
1/11	24,01010	220.	- or or bound	200.	

267.	professor	313.	derive	359.	convene
268.	barriers	314.	vacation	360.	react
269.	core	315.	output	361.	pearce
270.	channel	316.	existential	362.	incorporate
271.	authority	317.	tourman	363.	museum
272.	cite	318.	subjective	364.	principle
273.	task	319.	expert	365.	panel
274.	contrast	320.	notion	366.	dental
275.	technique	321.	geography	367.	antecedents
276.	series	322.	whereas	368.	branding
277.	internet	323.	mechanism	369.	airports
278.	phase	324.	ecotourism	370.	cluster
279.	text	325.	correlation	371.	pursue
280.	input	326.	exclude	372.	forecasting
281.	compute	327.	annual	373.	senior
282.	acknowledge	328.	pilgrims	374.	workplace
283.	undertake	329.	authentic	375.	display
284.	error	330.	imply	376.	enterprises
285.	volume	331.	revisit	377.	spa
286.	initiate	332.	expand	378.	accurate
287.	topic	333.	stable	379.	bond
288.	abstract	334.	symbol	380.	beach
289.	mobility	335.	lifestyle	381.	sex
290.	occupy	336.	hierarchy	382.	constant
291.	mental	337.	shift	383.	decade
292.	web	338.	settings	384.	sociology
293.	recreation	339.	quantitative	385.	comprise
294.	edit	340.	summary	386.	coefficient
295.	entrepreneurship	341.	muslim	387.	festivals
296.	keywords	342.	digital	388.	practitioner
297.	assist	343.	option	389.	style
298.	entrepreneurs	344.	domain	390.	empowerment
299.	ethnic	345.	homepage	391.	profile
300.	via	346.	demographic	392.	foundation
301.	document	347.	discourse	393.	congruity
302.	determinants	348.	landscape	394.	scores
303.	secure	349.	yoga	395.	yang
304.	virtual	350.	mode	396.	additionally
305.	visual	351.	halal	397.	moderating
306.	revise	352.	objective	398.	append
307.	references	353.	turnover	399.	exhibit
308.	reference	354.	wellbeing	400.	shark
309.	cycle	355.	interviewees	401.	pacific
310.	constitute	356.	capable	402.	infrastructure
311.	team	357.	energy	403.	adjust
312.	subsequent	358.	route	404.	sufficient

405.	flexible	451.	resorts	497.	segmentation
406.	graduates	452.	wildlife	498.	usage
407.	narratives	453.	objectives	499.	peak
408.	airline	454.	mutual	500.	surf
409.	souvenir	455.	priority	501.	engaged
410.	differentiate	456.	underlie	502.	intervene
411.	emissions	457.	philosophy	503.	marine
412.	graduate	458.	narrative	504.	advocate
413.	interpersonal	459.	goods	505.	legal
414.	score	460.	interdisciplinary	506.	paradigm
415.	transfer	461.	crucial	507.	anticipate
416.	mega	462.	intrinsic	508.	favorable
417.	approximate	463.	efficacy	509.	seasonality
418.	transit	464.	coastal	510.	touristic
419.	competence	465.	luxury	511.	budget
420.	eco	466.	acquire	512.	peer
421.	parameter	467.	proportion	513.	sentiment
422.	recover	468.	ecological	514.	coordinate
423.	handbook	469.	jones	515.	causal
424.	organic	470.	brands	516.	platform
425.	asset	471.	induce	517.	trip advisor
426.	appreciate	472.	version	518.	modify
427.	backpackers	473.	deviate	519.	feedback
428.	coefficients	474.	questionnaires	520.	likert
429.	versus	475.	medium	521.	adult
430.	turkey	476.	vision	522.	margin
431.	geographical	477.	expose	523.	faculty
432.	random	478.	prospect	524.	inbound
433.		479.	commodification	525.	supervisor
434.	competitiveness	480.	county	526.	lecture
435.	booking	481.	disability	<i>5</i> 27.	reinforce
436.	platforms	482.	collaborative	528.	ignorant
437.	ratio	483.	unesco	529.	novelty
438.	technologies	484.	consult	530.	mar
439.	technical	485.	debate	531.	reject
440.	turner	486.	minor	532.	entrepreneurial
441.	comprehensive	487.	household	533.	gaming
442.	retain	488.	resilience	534.	ratings
443.	adequate	489.	outbound	535.	thereby
444.	logic	490.	airlines	536.	visible
445.	relax	491.	google	537.	taylor
446.	disaster	492.	segment	538.	tween
447.	fuzzy	493.	assets	539.	backpacker
448.	extract	494.	meditation	540.	capture
449.	restrict	495.	temporal	541.	causality
450.	linear	496.	nevertheless	542.	geographies

544. mainland 590. explicit 636. exploit 545. semi 591. minimum 637. overseas 546. competencies 592. scope 638. remove 547. cronbach 593. novel 639. port 548. tense 594. citizenship 640. weaver 549. alpha 595. wellness 641. cuisine 550. mart 596. couple 642. lynch 551. fundamental 597. ministry 643. norman 552. label 598. coping 644. rituals 553. ultimate 599. density 645. zone 554. dependence 600. expenditure 646. assure 555. butler 601. supervision 647. crises 557. considerable 603. engaging 649.	543.	grant	589.	complement	635.	colleague
546. competencies 592. scope 638. remove 547. cronbach 593. novel 639. port 548. tense 594. citizenship 640. weaver 549. alpha 595. wellness 641. cuisine 550. mart 596. couple 642. lynch 551. fundamental 597. ministry 643. norman 552. label 598. coping 644. rituals 553. dependence 600. expenditure 646. assure 555. butler 601. supervision 647. crises 556. photo 602. incentive 648. informants 557. considerable 603. engaging 649. quest 557. considerable 603. supervision 651. tangible 558. correlations 605. overnight </td <td>544.</td> <td>mainland</td> <td>590.</td> <td>explicit</td> <td>636.</td> <td>exploit</td>	544.	mainland	590.	explicit	636.	exploit
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554. dependence 600. expenditure 646. assure 555. butler 601. supervision 647. crises 556. photo 602. incentive 648. informants 557. considerable 603. engaging 649. quest 558. convert 604. devel 650. sponsoring 559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors	552.	label	598.	coping	644.	rituals
555. butler 601. supervision 647. crises 556. photo 602. incentive 648. informants 557. considerable 603. engaging 649. quest 558. convert 604. devel 650. sponsoring 559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 655. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern	553.	ultimate	599.	density	645.	zone
556. photo 602. incentive 648. informants 557. considerable 603. engaging 649. quest 558. convert 604. devel 650. sponsoring 559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. mull 565. saki 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized	554.	dependence	600.	expenditure	646.	assure
557. considerable 603. engaging 649. quest 558. convert 604. devel 650. sponsoring 559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible	555.	butler	601.	supervision	647.	crises
558. convert 604. devel 650. sponsoring 559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities <td>556.</td> <td>photo</td> <td>602.</td> <td>incentive</td> <td>648.</td> <td>informants</td>	556.	photo	602.	incentive	648.	informants
559. correlations 605. overnight 651. tangible 560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alicnation 616. disabilities 662. meta 571. gross 617. denote	<i>557.</i>	considerable	603.	engaging	649.	quest
560. sharks 606. whale 652. aesthetic 561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors 618. sum 6	558.	convert	604.	devel	650.	sponsoring
561. aggregate 607. device 653. beverage 562. contract 608. cornell 654. scheme 563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology	559.	correlations	605.	overnight	651.	tangible
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563. monitor 609. resolve 655. equip 564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper <t< td=""><td>561.</td><td>aggregate</td><td>607.</td><td>device</td><td>653.</td><td>beverage</td></t<>	561.	aggregate	607.	device	653.	beverage
564. agenda 610. electronic 656. rational 565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province	562.	contract	608.	cornell	654.	scheme
565. martin 611. hedonic 657. museums 566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary	563.	monitor	609.	resolve	655.	equip
566. ski 612. humour 658. null 567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 571. gross 618. sum 664. tsunami 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments	564.	agenda	610.	electronic	656.	rational
567. decline 613. postmodern 659. sequence 568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624.	565.	martin	611.	hedonic	657.	museums
568. scenario 614. standardized 660. brief 569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 571. gross 618. sum 664. tsunami 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624.	566.	ski	612.	humour	658.	null
569. empowering 615. intangible 661. clarify 570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. for	567.	decline	613.	postmodern	659.	sequence
570. alienation 616. disabilities 662. meta 571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusteris 629.	568.	scenario	614.	standardized	660.	brief
571. gross 617. denote 663. squared 572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629.	569.	empowering	615.	intangible	661.	clarify
572. predictors 618. sum 664. tsunami 573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. <	570.	alienation	616.	disabilities	662.	meta
573. entity 619. anthropology 665. latent 574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	571.	gross	617.	denote	663.	squared
574. expenditures 620. cooper 666. simultaneously 575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632.	572.	predictors	618.	sum	664.	tsunami
575. matrix 621. province 667. allocate 576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633.	<i>5</i> 73.	entity	619.	anthropology	665.	latent
576. reviewers 622. culinary 668. alter 577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	574.	expenditures	620.	cooper	666.	simultaneously
577. ambiguous 623. segments 669. pilgrim 578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	575.	matrix	621.	province	667.	allocate
578. assign 624. twitter 670. justify 579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	576.	reviewers	622.	culinary	668.	alter
579. concentrate 625. forecast 671. minimise 580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	<i>577</i> .	ambiguous	623.	segments	669.	pilgrim
580. formula 626. geographic 672. sociological 581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	578.	assign	624.	twitter	670.	justify
581. loadings 627. islamic 673. careers 582. appraisal 628. supplement 674. clustering 583. clusters 629. aid 675. embedded 584. equity 630. promotional 676. neutral 585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	579.	concentrate	625.	forecast	671.	minimise
582.appraisal628.supplement674.clustering583.clusters629.aid675.embedded584.equity630.promotional676.neutral585.software631.vietnam677.ongoing586.reciprocity632.bramwell678.discrete587.relational633.threshold679.mapping	580.	formula	626.	geographic	672.	sociological
583.clusters629.aid675.embedded584.equity630.promotional676.neutral585.software631.vietnam677.ongoing586.reciprocity632.bramwell678.discrete587.relational633.threshold679.mapping	581.	loadings	627.	islamic	673.	careers
584.equity630.promotional676.neutral585.software631.vietnam677.ongoing586.reciprocity632.bramwell678.discrete587.relational633.threshold679.mapping	582.	appraisal	628.	supplement	674.	clustering
585. software 631. vietnam 677. ongoing 586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	583.	clusters	629.	aid	675.	embedded
586. reciprocity 632. bramwell 678. discrete 587. relational 633. threshold 679. mapping	584.	equity	630.	promotional	676.	neutral
587. relational 633. threshold 679. mapping	585.	software	631.	vietnam	677.	ongoing
	586.	reciprocity	632.	bramwell	678.	discrete
	587.	relational	633.	threshold	679.	mapping
	588.	consent	634.	timothy	680.	personnel

681.	landscapes	727.	proactive	773.	circumstance
682.	vendors	728.	entrepreneur	774.	interval
683.	exceed	729.	gendered	775.	blogs
684.	archaeological	730.	inherent	776.	elasticities
685.	optimal	731.	specify	777.	scenic
686.	patients	732.	apparent	778.	multivariate
687.	temporary	733.	commission	779.	nostalgia
688.	bureau	734.	forecasts	780.	outdoor
689.	mindfulness	735.	gray	781.	profiles
690.	souvenirs	736.	memorable	782.	release
691.	worldwide	737.	supervisors	783.	survive
692.	gaze	738.	municipality	784.	corruption
693.	mobilities	739.	oaks	785.	nationality
694.	shaw	740.	seasonal	786.	prentice
695.	duration	741.	incidence	787.	species
696.	principal	742.	welfare	788.	coopetition
697.		743.	somewhat	789.	frontline
698.	embodied	744.	overview	790.	predictive
699.	lens	745.	verbal	791.	persist
700.	stressors	746.	atmosphere	792.	infer
701.	golf	747.	attendees	793.	antecedent
702.	retail	748.	credibility	794.	crouch
703.	correlated	749.	holistic	795.	marketers
704.	empathy	750.	mission	796.	peripheral
705.	feminist	751.	retailing	797.	layer
706.	interviewed	752.	centrality	798.	fee
707.	solidarity	753.	cosmetic	799.	likewise
708.	vital	754.	proximity	800.	cues
709.	intelligence	755.	sabotage	801.	longitudinal
710.	register	756.	guideline	802.	traveller
711.	ecology	757.	impose	803.	competitors
712.	exogenous	758.	obvious	804.	appeal
713.	industry	759.	bridging	805.	profitability
714.	liberal	760.	pike	806.	vice
715.	pose	761.	recreational	807.	trigger
716.	enterprise	762.	attitudinal	808.	vehicle
717.	facebook	763.	database	809.	ideology
718.	forum	764.	discriminant	810.	sole
719.	indices	765.	stake	811.	thesis
720.	ness	766.	stimuli	812.	foster
721.	secular	767.	territory	813.	predictor
722.	springer	768.	vulnerability	814.	prominent
723.	video	769.	predominant	815.	embeddedness
724.	budgeting	770.	export	816.	paranormal
725.	robust	771.	intercultural	817.	pilot
726.	traffic	772.	traits	818.	routine

819.	accompany	865.	cope
820.	eventual	866.	homestay
821.	passive	867.	curriculum
822.	cation	868.	dialogue
823.	dale	869.	intellectual
824.		870.	murphy
825.	typology	871.	terrorism
826.	undergraduate	872.	mature
827.	societal	873.	captured
828.	isolate	874.	carnival
829.		875.	lag
830.	discourses	876.	median
831.		877.	periphery
832.	expatriate	878.	dataset
833.	mediator	879.	heterogeneity
834.	moderated	880.	itineraries
835.		881.	workforce
836.		882.	contrary
837.	niche	883.	schedule
838.	census	884.	attain
839.		885.	conform
840.	municipalities	886.	detect
841.	accumulate	887.	file
842.	intermediaries	888.	arguably
843.	rethinking	889.	fieldwork
844.	convergent	890.	hos
845.	metrics	891.	mindful
846.	static	892.	pop
847.	quote	893.	amenities
848.	overlap	894.	sectional
849.	substitute	895.	spillover
850.	cognition	896.	surgery
851.	confirmatory	897.	restore
852.	intra	898.	compensate
853.	photos	899.	focal
854.	proposition	900.	offline
855.	vocational	901.	pine
856.	determinant	902.	regime
857.	disasters	903.	email
858.	menu	904.	healthcare
859.	transaction	905.	nodes
860.	classic	906.	paternalistic
861.	econometric	907.	ports
862.	superior	908.	territorial
863.	augmented	909.	transparency
864.	ben	910.	traveler

911. trustworthiness 912. bachelor 913. biodiversity 914. overload 915. smart 916. sponsorship 917. tucker 918. aboriginal binary 919. 920. dredge 921. dual 922. guidance households 923. inspired 924. 925. scholarship 926. scholarships 927. transformative 928. vulnerable 929. zones 930. definite 931. contradict 932. buddhist ethnographic 933. 934. negotiation 935. tech

- 936. vector
- 937. von
- 938. executive
- 939. footprint
- 940. griffin
- 941. islam
- 942. muslims
- 943. spectrum
- 944. weber
- 945. immigrate
- 946. intrapersonal
- 947. catering
- 948. disruptive
- 949. haul
- 950. integrative
- 951. sensory
- 952. converse
- 953. founded
- 954. trace
- 955. bulletin
- 956. era
- 957. interestingly
- 958. moderator
- 959. ward
- 960. award
- 961. capitalism
- 962. employability
- 963. motivational
- 964. implicit
- 965. manipulate
- 966. simulate
- 967. fluctuate
- 968. normative
- 969. propensity
- 970. stimulate
- 971. trail
- 972. barrier
- 973. climatic
- 974. congruence
- 975. demographics
- 976. mood
- 977. interternational
- 978. instruct
- 979. devote
- **980.** integrity
- legislate 981.
- 982. refine

- 983. anti
- 984. campus
- 985. extant
- 986. recruitment
- 987. vacations
- 988. authentication
- 989. critique
- 990. extrinsic
- 991. superhost
- 992. eliminate
- 993. licence
- 994. architecture
- 995. bays
- 996. bookings
- 997. deemed
- 998. hub
- 999. impairment
- 1000. lovelock
- 1001. nomads
- 1002. reform