

ATTRIBUTES OF HOTEL AND RESTAURANT MANAGEMENT DEGREE PREFERRED BY COLLEGE STUDENTS: A CONJOINT ANALYSIS

ANNABELLA L. MACARAYA

Author email id: annamacaraya@yahoo.com

Abstract: The main purpose of this study is to determine the best combination of attributes of an HRM degree as preferred by the college students in terms of quantitative, non-experimental research design employing location, facilities, affiliation, accreditation, and instructors using Conjoint analysis. There were 300 respondents in the study selected through stratified random sampling. Data were gathered using a survey questionnaire consisting of 20 plan cards. Results of the study reveal that attribute of instructors claimed the highest importance value rating followed by affiliation, accreditation, location, and facilities. A conjoint model of located near their household or their homes; provides exclusive state of the art facilities, locally and internationally affiliated, accredited, and all faculty members are Master's degree holders was derived to help schools offering Hotel and Restaurant Management Programs improve their marketing activities.

Keywords: management, hotel and restaurant degree, attributes, preference, conjoint analysis, Philippines.

1. INTRODUCTION

The transformations in the higher educational setting are having a remarkable impact on the educational process, curricula, learning outcomes and instructional practices (Baum, 2001). The tourism and hospitality sector in the global economy makes use of a functional and human resource qualities, that makes it different from other business sectors and these have direct cost for the provision of education and training (Baum, 2001). Study conducted by (Nel & Rogerson, 2005) revealed that the crucial dilemma for hospitality enterprises, is the lack of expertise and skills needed in the administration of the enterprise. A related study conducted by Stryker and Rajaratnam (2004) recognizes the inadequacy of receptiveness and the rigidity of programme providers as the primary reasons affecting the mismatch of skills offered by the higher educational establishments and those that are needed by the hospitality sector. They also mentioned the range of hospitality domain requiring specialist skills as a near second.

Meanwhile, available written literatures in the last ten years provided different reasons on why prospective students enrolled themselves in hospitality courses worldwide. Also in the last decade, the topic on study motivations has become the center of a number of researches that attempted to understand what inspire students to enrol in hospitality and tourism management course (Bushell, Prosser, Faulkner, & Jafari, 2001; Huyton, 1997; Kim, Guo, Wang, & Agrusa, 2007; O'Mahony, McWilliams, & Whitelaw, 2001; Purcell & Quinn, 1996; Zhao, 1991). In the United States, it was reported that there has been unusual development of hospitality and tourism management programs in the last twenty years. The range of hospitality and tourism courses has become broader with the introduction of new subjects such as convention and exhibition management, special events, and others. Students now have many alternatives to choose from aside from the traditional HTM subject areas (Riegel, 1995). In Australia, results of the study conducted by O'Mahony et al. (2001) to pinpoint the reasons why Australian students prefer HTM courses suggests that students view the University as a bunch of attributes that include teachers, and the school reputation which include the facilities and services. In Asia, a study conducted by Kim et al. (2007) on the motivating attributes behind students' decisions to study HTM, revealed that

students from China and Hong Kong demonstrated higher level of motivation in 'job opportunity offered' as compared with other countries.

In the Philippines, it was reported that Hospitality Management is one of the courses that is in-demand among incoming college students (Tan, 2009). The Bachelor of Science in Hotel and Restaurant Management (BSHRM) program is geared towards providing students with the essential knowledge, skills, and attitude to afford quality service in the hospitality business. The program contains subjects that tackle the needs of the various sectors in the hospitality industry, such as culinary, front office, tourism, resort and hotel operations. Its main focus is on the advancement of practical knowledge and management skills which are accomplished through the combination of theoretical classes, practicum exercises, and experiential learning (Commission on Higher Education [CHED], 2006). In Davao City, Hotel and Restaurant Management course was also found to be one of the most popular courses among incoming college freshmen. The course is very much in demand that there are twenty six (26) tertiary institutions offering the course to cater the increasing student's demand in the region (finduniversity.ph, 2017). With several thousands of potential students wishing to enrol in the HRM program, no local studies have been published on determining the relevant attributes attached to the program.

The researcher finds this study to be very relevant to the present time and situation since various studies have been conducted to establish how students select their preferred choice of course. However, most of these studies are theoretical in nature. Furthermore, the factors or attributes may differ from one country to another and even regions. According to Soutar and Turner (2002), there might be several attributes which are helpful in identifying a student course however, some attributes will be more vital than the others. In deciding student's course preference, they have to consider the attributes significant to them and the exchanges between these attributes. It is the nature of this exchange process that the present study sought to investigate and comprehend. Hence, this study attempts to establish the best possible set of attributes that would determine student's choice of HRM as a course in college under the Philippine context, specifically in Davao City using conjoint analysis. This paper intends to generate new ideas and knowledge that could be very beneficial to current and future school administrators in their decision to offer the program in their institution and provide the best services for their potential student-clients.

2. MATERIALS AND METHODS

This chapter presents the research design, the research locale, the population and sample, the research instrument, the data collection procedures, the statistical tools used, as well as the ethical consideration in the conduct of the study.

The research design used in this study is a quantitative, non- experimental marketing research design utilizing conjoint analysis. The technique seemed to be the most appropriate research design to be used in this study since the study aimed to predict the best possible combination of attributes of student preference in choosing Hotel and Restaurant Management as a degree in college for School Year 2020 -2021. Malhotra (2006) described conjoint analysis as a kind of analysis that tries to find out the relative importance that consumers affix to leading attributes along with the utilities they attach to the same level of attributes. Conjoint analysis place assigned values to the levels of each attribute, so that the resulting values or utilities attached to the stimuli complements, as close as possible, the input evaluations provided by the respondents. The fundamental postulation is that any set of stimuli, such as products, brands, or stores, is appraised as a bunch of attributes.

This study was conducted in Davao City, a progressive city situated in the southern island part of Mindanao, Philippines lying in the grid squares of 6.58' to 7.34'N latitude, and 125.14" to 125.40'E longitude. It is bordered on the north by province of Davao, on the east partly by Davao Province and Davao Gulf; on the south by Davao del Sur, and on the west by North Cotabato. It is about 946 aerial kilometers or 588 statute miles, southeast of Manila. Being strategically located, the City turned to become as a regional trade hub for Southern Mindanao; international trade center for Southern Pacific; and Southern gateway to the neighboring countries like Indonesia, Malaysia, Brunei, Australia, among others (NEDA Region XI, 2018).

In light of the hotel and restaurant industry in the City, the metropolis is looming with hotels and convention centers that makes the City to become a major tourism destination and venue for meetings, exhibitions and other events in the Southern part of the Philippines. However, the growing number of tourists, it therefore needs additional hotels and other tourism facilities (Colina, 2017). In an economic perspective, the city's strong tourism and ease of conducting business, make it as one of the best areas for hotel operations in the country (Perez, 2018). These views challenge HEIs to enhance

its HRM curriculum so that graduates are able to cope with the changing requirements of the industry. Among the well-known educational institutions which offer HRM programs in Davao region are the University of Mindanao, Philippine Women's College, Joji Ilagan College of Hospitality Administration, Davao Doctors College, and Davao Central College.

3. RESULTS

This chapter presents the results of the study after undergoing statistical analysis. The results are presented in the following order: the relative importance of the attributes of HRM; individual and aggregate models for HRM; the goodness of-fit statistics; and the best combination of attributes of an HRM program as preferred by college students

Relative Importance of the Attributes of Hotel and Restaurant Management Degree

This section determines the relative importance of the attributes of a Hotel and Restaurant Management degree by the predetermined delivering institutions as preferred by the college students who participated in the study in terms of location, facilities, affiliation, accreditation, and instructors.

Presented in Table 1 is the summary of the relative importance of attributes of a Hotel and Restaurant Management (HRM) Degree as preferred by college students. Data revealed that *instructors* has the highest importance value and influence among college students in their preference for an HRM Degree as reflected by the 28.84 percent rate of importance. This was closely followed by *affiliation* with 28.10 percent rating and *accreditation* with 15.34 percent importance rating; then followed by *location* with an importance rating of 15.19 percent, and lastly by *facilities* with an importance rating of 12.54 percent.

Table 1: Summary of Relative Importance of the Attributes of a Hotel and Restaurant Management Degree

Attribute	Importance Value	Attribute Level	Utility Estimate	S.E.
Location	15.19	Near the household	0.011	0.016
		In the downtown area	-0.011	0.016
Facilities	12.54	General use	-0.004	0.016
		Exclusive and state-of-the-art	0.004	0.016
Affiliation	28.10	Local	0.022	0.021
		National	-0.044	0.025
		International	0.022	0.028
Accreditation	15.34	Not accredited	-0.029	0.016
		Accredited	0.029	0.016
Instructors	28.84	All have no master's degree	-0.088	0.021
		Some have no master's degree	-0.033	0.024
		All have master's degree	0.121	0.028
(Constant)			2.880	0.019

It was hypothesized in the study that there is no significant relative importance in the attributes of a Hotel and Restaurant Management Degree as a preferred course among college students. However, results of the study showed that there is a significant relative importance given by the individual attribute's rate of importance as illustrated in Table 1. Using conjoint analysis, a positive utility value signifies importance, while negative value signifies the opposite. All five (5) attributes though unequal earned a significant and positive value for importance. Hence, the null hypothesis is rejected.

Utility Estimates. It should be noted that negative value for utility estimate indicates that respondents do not significantly value the said profile while a positive utility estimate could relatively mean the opposite. In other words, a positive value of Utility Estimate (UE) signifies higher total worth or preference given by the respondents on it.

When taken individually, data for *location* profile revealed that of the two (2) preferences under this attribute, *near the household* got the highest utility estimate with 0.011 against -0.011 in the *downtown area* with obtained standard error of 0.016. For the *facilities* profile, results showed that of the two (2) preferences under this attribute, *exclusive and state of the art* got the highest utility estimate with 0.004 against -0.004 of preference *general use* with obtained standard error of 0.016.

Similarly, for *affiliation* profile, it was established that of the three (3) preferences under this attribute, both *local and international* received the highest utility estimate of 0.022 each as against -0.044 of preference *national* with obtained standard error of 0.021, 0.028, and 0.025 respectively. On the other hand, data for *accreditation* profile revealed that of the two (2) preferences under this attribute, *accredited* got the highest utility estimate with 0.029 against -0.029 of preference *not accredited* with obtained standard error of 0.016.

Finally, data for *instructor's* profile showed that of the three (3) preferences under this attribute, *all have master's degree* received the highest utility estimate of 0.121 with standard error of 0.028 as against preference *all have no Master's degree, and some have no Master's degree* with utility estimate scores of -0.088 and -0.033 respectively.

Table 2: Individual and Aggregate Models for a Hotel and Restaurant Management Degree

Attribute Levels	Student1		Student 145		Student 152		Overall Sample	
	Imp. Value	Utility Est.	Imp. Value	Utility Est.	Imp. Value	Utility Est.	Imp. Value	Utility Est.
(Constant)		2.967		2.630		2.537		2.880
<i>Location</i>	0.043		22.226		5.091		15.186	
Near the household		-0.001		-0.274		-0.080		0.011
In the downtown area		0.001		0.274		0.080		-0.011
<i>Facilities</i>	4.526		34.570		12.530		12.539	
General		-0.088		-0.426		0.198		-0.004
Exclusive		0.088		0.426		-0.198		0.004
<i>Affiliation</i>	47.887		9.444		12.952		28.097	
Local		-0.733		-0.081		-0.036		0.022
National		-0.396		-0.072		-0.186		-0.044
International		1.129		0.152		0.222		0.022
<i>Accreditation</i>	3.884		15.042		37.932		15.338	
Not accredited		-0.075		0.186		-0.598		-0.029
Accredited		0.075		-0.186		0.598		0.029
<i>Instructors</i>	43.660		18.718		31.496		28.839	
All have no master's degree		-0.284		-0.235		-0.403		-0.088
Some have no master's degree		-0.707		0.009		-0.187		-0.033
All have master's degree		0.991		0.227		0.590		0.121

Presented in Table 2 is the individual and aggregate model for Hotel and Restaurant Management Degree of the delivering institution.

Total Utility Scores. The overall utility score is 3.067 as a result of the combined *location near the household* (0.011); *exclusive and state of the art facilities* (0.004); *either locally or internationally affiliated* (0.022); *accredited* (0.029); and *instructors must be all Master's degree holder* (0.121) plus *Constant* (2.880). The range of the utility values (highest to lowest) for each factor provides a gauge of how significant the factor was to overall preference. Factors with larger utility ranges play a more vital role than those with smaller ranges and in this model, *all instructors having Master's degree* has the highest utility value (28.839) while *exclusive and state of the art facilities* (12.539) has the least utility value.

The Goodness of Fit Statistics for the Conjoint Model

The generated model has gone through the goodness of fit evaluation to measure its validity, strength of influence, and efficacy. Models with poor fit are suspect for weak model.

Table 3: Goodness-of-fit Statistics for the Conjoint Model

Statistic	Value	p-value
Pearson's R	0.898	0.000
Kendall's tau	0.689	0.000
Kendall's tau for Holdouts	1.000	0.021

Table 3 shows the Goodness-of-Fit statistics for the conjoint model to measure the reliability and validity of conjoint analysis result. Table 3 displays two statistics, Pearson's *R* and Kendall's tau, which presented measures of the correlation between the observed and estimated preferences. The table also displays Kendall's tau for just the holdout profiles. In the conjoint procedure, it computes correlations between the observed and predicted rank orders for these profiles, hence, making the utilities valid and reliable. In this case, the correlations for the Pearson *r* profiles may give a better indication of the fit of the model with *r* value = 0.898 at 0.05 level of significance, indicating a good predictive ability.

It is to be noted however, that based on Kendal tau for holdouts, it revealed that it may not be the best fit of the model since it's correlation value is greater than obtained *r* value. Kendall's Tau for holdouts correlations value must be normally lower than Pearson *r* value to become the best goodness of fit test (Orme, 2010)

Best Combination of Attributes of an HRM Degree as Preferred by College Students

This section illustrates the best combination of attributes of an HRM degree as preferred by the college students in terms of attributes location, facilities, affiliation, accreditation, and instructor's attributes.

Presented in Table 4 is the identification of the best combination of attributes of HRM degree as preferred by the respondents and extracted from its total utility score. Results revealed that the best combination of student's preference for HRM degree based on their obtained positive utility estimates are the following: a HRM institutions offering the course which is *located near their household or their homes; provides exclusive state of the art facilities, locally or internationally affiliated, accredited, and all faculty members are Master's degree holders*. This results showed no evidence that the null hypothesis should not be rejected.

Table 4: Best Combination of Attributes of HRM Degree as Preferred by College Students

Attribute	Preference	Utility Estimates	Std. Error
Location	Near the household	0.011	0.016
Facilities	Exclusive and state of the art	0.004	0.016
Affiliation	Local	0.022	0.021
	International	0.022	0.028
Accreditation	Accredited	0.029	0.016
Instructors	All have Masters Graduates	0.121	0.028

4. DISCUSSION

Presented in this chapter is the detailed discussion of the results of the study. The discussion is outlined in the following order: the relative importance of the attributes of HRM; individual and aggregate models for HRM; the goodness of fit statistics; and the best combination of attributes of an HRM Degree as preferred by college students.

The Relative Importance of the Attributes of a Hotel and Restaurant Management Degree

The Attribute *instructors* have the highest importance value and influence for college students in their preference of HRM Degree. This is indicative that majority of the respondents significantly give relative importance to this attribute. HRM delivering institutions therefore has to give focus on this attribute since it contributes highly to their preference of HRM program to be offered. Therefore, this attribute must be met by delivering institutions of HRM program.

As found out in previous study conducted by Karak (2008), the school employees' individual and occupational requirements is a significant factor for school's internal and external reputation and student's choice of course. A competent and eligible teacher will be able to present educational and instructional service better thus, student success increases. The study of Trammell and Aldrich (2016) found out that students have high expectations for instructors to have many positive personality traits such as being approachable, enthusiastic, knowledgeable, as well as strong teaching skills, and wealth of content knowledge.

Meanwhile, the attribute *affiliation* has the second highest importance value which is indicative that most of the respondents have some degree of preference on this attribute and therefore has to be provided by delivering school or college. Quality assurance for higher education systems thru affiliation and collaboration has become a vital global issue. Initiating and linkage among quality assurance agencies at international and regional levels becomes primordial advantage for academic institutions. In fact, the Association of South East Asian Nations (ASEAN) has taken measures to ensure the quality of higher education within Southeast Asian countries through the ASEAN University Network (Umemiya, 2008).

In the Philippines, companies belonging to the Hotel, Restaurant, and Tourism Industry have made ties with schools and universities. These industry- academe linkages have shown to be fruitful to both the industry and the student since the industry can easily acquire qualified graduates and graduates to efficiently fill in the industry's manpower needs. These linkages also made schools become more updated with latest industry developments and expand their knowledge on the use of modern equipment's and applications. In addition, many collegiate academic programs offer OJT and internship programs in order to allow students to acquire the necessary industry exposure and experience within controlled industry settings (Dickerson & Kline, 2008).

Moreover, the attribute *accreditation* obtained the third highest importance value which implies that many of the students give preference to this attribute and delivering institutions of HRM program must have their HRM program offerings be accredited. Accordingly, accreditation is a system of assessing and improving the quality of educational programs among HEIs through self-evaluation and peer judgment leading to the accreditation status, public recognition, and information on educational quality.

The Commission on Higher Education (CHED) has the policy to promote and help HEIs which desire to attain the highest quality educational standards. Therefore, it is very important for the delivering institutions offering HRM program to have their course offerings to be accredited by an accrediting institution to where the Institution is a member (CHED, 2006).

Furthermore, the attribute *location* has the fourth slot as a preference in terms of relative importance value. It indicates that delivering institutions of HRM program must consider their school location (Drewes, & Michael, 2006; Gibbons, & Vignoles, 2009; Theobald, 2005; Shaw, 2008) preferably near the household. Related studies revealed that location is vital for students, either because they want to live in a certain part of the country or because of financial reason.

As reported by New York Times, 72 percent of American students preferred to study in schools near their home, based on study conducted by the National Association for College Admission Counselling (McFadden, 2015). In Australia, James et al. (1999) also concluded that the preference for a specific field of study, the institutional reputations, easy access to home, and institutional characteristics are important to student's choice of institution and course.

Finally, the last attribute is *facilities*. Although it registered the least importance value, this attribute should not be disregarded by the delivering institutions of HRM program. In a survey conducted by Carnegie Foundation on Transition from High School to College, it revealed that physical asset of an institution is strongly correlated to choice and selection

of college course. The finding is parallel with the work of Ernest Boyer and Associates in 1990 which concludes that the buildings, the walkways, facilities, and well-maintained campus are among the considerations of students in choosing their schools.

The purpose of infrastructure growth in education is to improve motivation on school attendance and improve students' academic performance. In Malaysia, the most significant factor for student's choice of University include academic quality, facilities, campus surroundings, and personal characteristics (Sidin, Hussin, & Soon, 2003).

Individual and Aggregate Models for a Hotel and Restaurant Management Degree

It can be noted that the highest utility score is with combination of *located near the household; exclusive and state of the art facilities; either locally or internationally affiliated; accredited; and instructors must be all Master's degree holder*. The range of the utility values (highest to lowest) for each factor provides a measure of how important the factor was to overall preference. Factors with greater utility ranges play a more significant role than those with smaller ranges and in this model, *all instructors having Master's degree* has the highest utility value while *exclusive and state of the art facilities* has the least utility value.

The student's choice of a college and course is influenced by faculty members (Mcfadden, 2015). The qualifications of the teaching staff were found to be one of the most important factors affecting quality education perception. The students see two types of teacher's image: the ideal teacher image and their own self-image as a teacher. Students view personal qualities such as: kindness, leadership, and attitude toward profession, and professional knowledge to be the most important characteristics of an ideal teacher while professional qualities include knowledge of the subject matter and didactic knowledge (Arnon & Reichel, 2007).

Teachers are vital stakeholders that affect and are affected directly by school's reputation. Therefore, it is necessary to meet teacher's individual expectations and institutional needs for them to become contented and in effect become satisfied in their respective jobs. Employee qualification also affects school reputation since a highly competent and qualified teacher can deliver education-instruction service much better contributing to the achievement of student success (Karak, 2008). In the study by Trammell and Aldrich (2016), they found out that students have high expectations for instructors to possess many positive personality traits, as well as strong teaching skills.

Similarly, international and local affiliations contribute largely to the quality assurance for higher education systems and have become a significant global issue, initiating both local and international affiliations and collaborations among quality industry partners is very important in the success of students (Umemiya, 2008). Many collegiate programs offer OJT and internships to provide students with valuable experience within controlled industry settings (Dickerson & Kline, 2008).

For HRM students to be successful, hospitality management programs must meet the needs of both students and the industry by developing the student skills needed in the industry while achieving the academic requirements demanded by the institution (Raybould & Wilkins, 2005). Graduate students who have no experience are ill-prepared for the work and cannot meet the demands of the hospitality industry (Tesone, 2002). Internship or industry experience, preparation for industry employment, leadership, hospitality management and organization, and ethics have been consistently ranked as top five most important course subjects by the industry professionals during the last 10 years. The most important factor in developing a curriculum that ensures graduates' success in their career is the hospitality program's ability to deal with change (Min, Swanger, & Gursoy, 2016)

Furthermore, program accreditation is also considered as one factor leading to school and career choice of the students. Accreditation is a procedure for assessing and uplifting the educational quality of higher education institutions and programs through self-evaluation and peer judgment (CHED, 2005). Accreditation is vital to public recognition and serves as a concrete expression of institutional excellence and quality. Part of CHED's policy and mandate is to promote and help HEIs attain the highest quality of educational standards. The minimum requirements per program are defined in the Policies, Standards and Guidelines (PSG) issued by CHED.

In Malaysia, a study conducted by Yusof et al. (2008), posited the availability of the required programs is essential among freshmen in choosing a particular college or university. In his study, Ismail (2009) indicated that students' choice is practically based on their satisfaction with respect to the school's academic recognition. Ford et al. (1999) also found that program issues such as variety of study program, flexibility of degree program and range of degree options are important variables in deciding which institution to go.

Finally, exclusive and state of the art facilities were found to be a factor in student's school and career choice. Schools therefore, have to improve its physical facilities to entice and motivate students to enroll. School infrastructure development leads to increase school attendance (Roy, 2011). The age of building, general appearance, and student-friendly environment influence the perception of those attending that school. In similar thoughts, schools' physical infrastructure must be student-friendly to inspire learning and academic achievement (West, 2006). In fact, Absher and Crawford (1996) suggested that educational infrastructure like classrooms, laboratories and libraries are significant predictors of college choice decision.

On the other hand, students also value the reputation of the college; hence, it plays a vital role in the college choice decision process (Keling, 2006; Laym & Maguire, 1981; Murphy, 1981; Servier, 1986). Further, Keling (2006) stated that most students choose schools that are known and have established a brand of excellence and quality. The existence of this relationship validates the positive association between college reputation and college choice decisions.

The Goodness of Fit Statistics

Pearson r correlation was the goodness of fit test used. The obtained r value is significant which indicates that it has a good predictive validity, hence the rank order data can be considered for the conjoint analysis and the utilities calculated by the analysis is valid.

The preference rating for the five validation profiles were predicted from the utilities. These were correlated with the input ratings for these profiles obtained from the respondents such as the combination model of *location that is near the household, facilities that are exclusive and state of the art; affiliation that is either local or international; that is accredited; and instructors who are Master's degree holder*. Further, the factor with the greatest utility is instructor, while the least utility value is facilities.

Best Combination of Attributes of an HRM Degree as Preferred by College Students

Results revealed that the best combination of student's preference for HRM degree based on their obtained positive utility estimates are the following: a HRM institutions offering the course which is *located near their household or their homes; provides exclusive state of the art facilities, locally and internationally affiliated, accredited, and all faculty members are Master's degree holders*. It is therefore imperative that HRM delivering institutions must consider the conjoint model derived and this would be helpful in marketing their HRM program since it is the most preferred combination for attracting students to enroll in HRM program.

This result is in congruence with the result of the study of Hossler in 1984, that different attributes were linked to choosing a course though in different orders. Among these attributes are: proximity to home, academic reputation, special academic programs, and social atmosphere of the institution. Result is also in line with the findings that one determinant of choice of school and career is the school location (Drewes, 2006; Gibbons & Vignoles, 2009). In a related study, it was underscored that among the important factors for student's choice of university included academic quality, facilities, campus surroundings, and characteristics of faculty (Sidin, Hussin, & Soon, 2003). Alternatively, among Indonesian students, they put premium on cost, reputation, proximity, job prospects, and parent's approval when choosing a course and a school (Kusumawati, Yanamandram, & Perera, 2010).

5. CONCLUSION

Overall, it can be concluded that respondents have shown different level of importance on the five attributes under study as shown by different relative weights of importance that were given to each attribute. Attribute *instructors* was found to have the highest relative importance and attribute *facilities* was found to have the least importance rating. The conjoint model on the preference of students in choosing HRM revealed that the *school location be near the households; it must have exclusive and state of the art facilities; it should be locally or internationally affiliated; and the instructors must all Master's graduate*. Students may have the same inclination on taking the HRM course as a need but may have different criteria to fulfil this need before making a choice decision which actually involves the attributes: school location's proximity, the teacher's educational qualification, the school's having an accreditation status, local and international affiliation, and provision of modern school facilities related to course offering.

These conclusions find parallelism with the Choice Theory which states that people satisfaction of their needs differs from one another although they may have the same needs. Individual person, since their birth, has a unique encounter in life

which can either be pleasing or distressing. These varying experiences help them discover new ideas and means of satisfying their own needs. Pleasing experiences becomes part of one's quality of life and eventually develops into a norm for their choice behavior. This is specific to each person based on their past experiences, realizations and learning's especially on how they make choices in fulfilling their needs and wants.

ACKNOWLEDGMENT

To the Supreme God, the Source of Wisdom and the Lord of all human race, I lift my songs of praise and thanksgiving.

To my husband and my family, who continuously supported my journey both financially and emotionally, I offer my love and heartfelt gratitude.

My sincere thanks and admiration to my research adviser, Dr. Joel B. Tan and to my statistician, grammarian, and panel of examiners headed by Dr. Vicente Salvador E. Montaña and members Dr. Myrna S. Viado, Dr. Stilo Floyd Schneider who have painstakingly devoted their time and effort to the success of this paper.

I am also truly grateful to the research respondents who had been cordial and accommodating to me during the data gathering process.

Lastly, to my friends and all acquaintances who, in one way or another, have significantly contributed to the completion of this study, I show my appreciation and joy!

REFERENCES

- [1] Absher, K. & Crawford, G. (1996). Marketing the community college starts with understanding students' perspectives. *Community College Review*, 23(4), 59-67
- [2] Aguado, C., Laguador, J.M., & Deligero, J., (2015). Factors Affecting the Choice of School and Student's Level of Interest towards Maritime Program. *Asian Social Science*, Vol. 11, No.21. Canadian Center of Science and Education
- [3] Arnon, S., & Reichel, N. (2007). Who is the ideal teacher? Am I? Similarity and difference in perception of students of education regarding the qualities of a good teacher and of their own qualities as teachers. *Teachers and Teaching: Theory and Practice*, 13(5), 441-464. doi: 10.1080/13540600701561653. Google scholar
- [4] Arsen, D., & Ni, Y., (2008). The Competitive Effect of School Choice Policies on Performance in Traditional Public Schools. Arizona State University. Retrieved June 21, 2019 from <http://eps1.asu.edu/epru/documents/EP1SL-0803-261-EPRU.pdf>
- [5] Baharun, R., Awang, Z., & Padlee, S.F. (2011). International students' choice criteria for selection of higher learning in Malaysian private universities. *African Journal of Business Management*, 5, 4704-4714.
- [6] Baum, T. (2001). 'Education for Tourism in a Global Economy', in Wahab, S. and Cooper, C. (eds), 'Tourism in the Age of Globalisation', Routledge, London, 198-212. Baum
- [7] Beggs, J., Bantham, J.H., & Taylor, S. (2008). Distinguishing the Factors Influencing College Students' Choices of Major. *College Student Journal*, 42(2), 381-394
- [8] Boyer, E. L., (1990). The Carnegie Foundation for Advancement of Teaching, Jossey Bass Publishing, USA
- [9] Bushell, R., Prosser, G. M., Faulkner, H. W., & Jafari, J. (2001). Tourism Research in Australia. *Journal of Travel Research*, 39(3), 323-326
- [10] Cappel, C.L. & Kamens, D.H. (2002). Curriculum Assessment: A Case Study in Sociology. *Teaching Sociology*, 30:467-494.
- [11] Commission on Higher Education (CHED) (2006). CMO 30 s. 2006. Retrieved June 20, 2018 from <https://ched.gov.ph/cmo-30-s-2006/>
- [12] Christou, E. (2003). Revisiting Competencies for Hospitality Management: Contemporary Views of Stakeholders. *Journal of Tourism and Hospitality Education* 14(1).

- [13] Clark, S., Robert, H. (2000). Programmatic Issues in Continuing Education Associated with Post-Secondary Hospitality Education. *Journal of Hospitality & Tourism Education* 12: 39-45.
- [14] Commission on Higher Education (CHED) (2005). CHED Memorandum Order No. 15 Series of 2005 "Institutional monitoring and evaluation for quality assurance of all Higher Education Institutions in the Philippines". Retrieved July 12, 2019 from www.ched.gov.ph
- [15] Crossman, A. (2010). Rational Choice Theory: an overview. Retrieved May 12, 2018 from <http://sociology.about.com/od/Sociological-Theory/a/Rational-Choice-Theory.htm>
- [16] Colina, A. (2017). Davao City needs more hotels, other facilities as tourism destination. Mindanews. Retrieved August 12, 2019
- [17] Darraugh, B. (1989). It takes six. (Six-step model for needs assessment). *Training & Development Journal*, 45(3).
- [18] Davis, A. (2009). *Factor influencing career choice among students enrolled in a four-year tourism administration program*. Unpublished doctoral dissertation, Southern Illinois University Carbondale
- [19] Department of Labor and Employment (2012). Industry Career Guide; Hotel and Restaurant Management. Bureau of Local Employment. Labor market Information, Research, and Career Guidance Advocacy Program. Intramuros, Manila, Philippines.
- [20] Dickerson, J. P., & Kline, S. F. (2008). The early career impact of the co-op commitment in hospitality curricula. *Journal of Teaching in Travel & Tourism*, 8(1), 3-22. doi:10.1080/15313220802252183
- [21] Diez, J. (2010). The Myth That College and Major Choice Decides Johnny's Future. *Student Journal College*, 44(2), 234-249.
- [22] Dopson, L. & Tas, R.F. (2004). A Practical Approach to Curriculum development: A case study. *Journal of Hospitality and Tourism Education*, 16(1).
- [23] Dreher, A., & Poutvaara, P. (2005). Student owes and migration: an empirical analysis, CESIFO Working Paper, No. 1490 Category 4 Labor markets
- [24] Drewes, T. & Michael, C. (2006). How do students choose a university? An analysis of Applications to Universities in Ontario, Canada. *Research in Higher Education* 47, 781-800
- [25] Dyer, J. & Jianmin, J. (2016). Preference Theory. In Gass S.I., Fu M. C. (eds). *Encyclopaedia of Operations. Research and Management Science*, Springer, Boston, MA
- [26] Edmonds, J. (2012). Factors influencing choice of college major: what really makes a difference? *Theses and Dissertations*. 147. Retrieved May 20, 2018 from <http://rdw.rowan.edu/etd/147>
- [27] Myung, E. & Li, L. (2015). Hospitality Higher Education in Illinois: Current Status, Challenges, and Opportunities. *Journal of Hospitality & Tourism Education* 27: 93-101
- [28] Find University (2017). Schools Offering Hotel & Restaurant Management courses in Davao City. Retrieved July 25, 2018 from <https://www.finduniversity.ph/hotel-restaurant-management-schools/davao-region/davao-city/>
- [29] Ford, J. B., Joseph, M., & Joseph, B. (1999). Importance-performance analysis as a strategic tool for service marketers: The case of service quality perceptions of business students in New Zealand and the USA. *The Journal of Services Marketing*, 13(2), 171-186.
- [30] Foskett, N., Maringe, F., & Roberts, D. (2006). Changing Fee Regimes and their Impact on Student Attitudes to Higher Education, Higher Education Academy UK (in press).
- [31] Gibbons, S. & Vignoles, A. (2009). *Access, Choice and Participation in Higher Education*. London, England: Centre for the Economics of Education, London School of Economics
- [32] Glasser, W. (1998). *Choice Theory: a new psychology of personal freedom*. New York, Harper Perennial
- [33] Gursoy, D. & Swanger, N. (2004). An Industry-Driven Model of Hospitality Curriculum for Programs Housed in Accredited Colleges of Business. *Journal of Hospitality & Tourism Education*, 16(4):8.

- [34] Hossler, D. (1984). Enrollment management: An integrated approach. New York, College Entrance Examination Board
- [35] Huyton, J. R. (1997). The implications of cross-cultural communication in the hotel industry: A Chinese case. Proceedings of 1997 National Tourism and Hospitality Research Conference. Sydney: Bureau of Tourism Research
- [36] Ismail, N. (2009). Mediating effect of information satisfaction on college choice. Paper presented in Oxford Business & Economics Conference Program. UK
- [37] Industry Career Guide: Hotel, Restaurant and Tourism Industry (2012). Department of Labor and Employment, Intramuros, Manila, Philippines
- [38] James, R., Baldwin, G., & McInnis, C. (1999). Which University? The Factors Influencing Choices of Prospective Undergraduates, Evaluation and Investigations Programme. Higher Education Division, Australia.
- [39] Joseph, M., & Joseph, B. (2000). Indonesian Students' Perceptions of Choice Criteria in the selection of a tertiary institution: Strategic Implications. *International Journal of Educational Management*, 14, 40-44.
- [40] Karak, T. (2008). Reputation Management in Educational Organizations: Suggestion of a new model, *Academic Leadership Online Journal*, Volume 6 Issue 1
- [41] Keling, S. B. A. (2006). Institutional factors attracting students to Malaysian institutions of higher learning. *International Review of Business Research Papers*, 2(1), 46-64
- [42] Kim, S., Guo, Y., Wang, K., & Agrusa, J. (2007). The study motivations and study preferences of student groups from Asian nations majoring in hospitality and tourism management programs. *Tourism Management*, 28(1), 140-151.
- [43] Kinzie, J., Palmer, M., Hayek, J., Hossler, D., Jacob, S. & Cummings, H. (2004). Fifty years of college choice: Social, political and institutional influences on the decision-making process. *New Agenda Series*. 5, 1-76.
- [44] Kusumawati, A., Yanamandram, V.K., & Perera, N. (2010). "Exploring Student Choice Criteria for Selecting an Indonesian Public University: A Preliminary Finding". Centre for Health Service Development - CHSD. 35. <https://ro.uow.edu.au/chsd/35>
- [45] Lay, R. & Maguire, J. (1981). Modelling the college choice: image and decision. *College and University*, 56, 113-126
- [46] Lee, S.J., & Chatfield, H. K. (2011). The analysis of Factors affecting choice of college: A case study of UNLV hotel College Students.
- [47] Lowry, L.L. & Flohr, J.K. (2005). No student left behind: A longitudinal assessment of the competency-based framework used to facilitate learning in a capstone tourism course. *Journal of Hospitality & Tourism Education*, 17(4). Ministry of Education and Sports. 2004. *Education Sector Strategic Plan 2004-2015*. [O]:
- [48] Lu, T. & Adler, H. (2009). Career Goals and Expectations of Hospitality and Tourism Students in China. *Journal of Teaching in Travel & Tourism*, 9, 63-80. ISSN: 1531-3220.
- [49] Ma, Y. (2009). Family Socioeconomic Status, Parental Involvement, and College Major Choices-Gender, Race/Ethnic, and Nativity Patterns. *Sociological Perspectives*, 52(2), 211-234
- [50] Malhotra, N. (2006). *Marketing Research: An Applied Orientation*, 2nd edition. Prentice Hall, Englewood Cliffs, NJ. 2006
- [51] McDonough, P.M. (1997). *Choosing colleges: How social class and schools structure opportunity*. New York, NY. SUNY Press.
- [52] McFadden, M. (2015). What Factors Influence College Choice for Today's Students? Retrieved May 15, 2018 from <https://www.upandup.agency/digital-marketing/reasons-students-choose-university>
- [53] Mcglynn, A.P. (2007). Achieving the Dream – What is it, and what's new? *The Hispanic Outlook in Higher Education* 18(4):44-45

- [54] Mihyeon, K. (2009). The relationship between thinking style differences and career choice for high-achieving high school students. PhD Diss. Dept. of Education. The College of William and Mary. United States, Virginia
- [55] Min, H., Swanger, N., & Gursoy, D. (2016). A Longitudinal Investigation of the Importance of Course Subjects in the Hospitality Curriculum: An Industry Perspective. *Journal of Hospitality & Tourism Education* 28: 10-20
- [56] Murphy, P. E. (1981). Consumer buying roles in college choice: Parents and students' perceptions. *College and University*, 56(2), 140-150.
- [57] Murtagh, N., Lopes, P.N., & Lyons, E. (2011). Decision on Making in Voluntary Career Change: An Other-Than-Rational Perspective. *The Career Development Quarterly*, 59, 249-263
- [58] National Economic Development Authority (NEDA) Region XI (2018). Davao City. Retrieved June 01, 2019 from <http://nro11.neda.gov.ph/dav>
- [59] Nel, E.L. & Rogerson, C.M. (2005). Local Economic Development in the Developing World: The Experience of South Africa. New Jersey: Transaction Publishers. Retrieved June 20, 2018 from <https://www.tandfonline.com/doi/full/10.1080/0376835X.2010.508577>
- [60] O'Mahony, G. B., McWilliams, A. M., & Whitelaw, P. A. (2001). Why Students Choose a Hospitality-degree Program. *Cornell Hotel and Restaurant Administration Quarterly*, 42(1), 92-96.
- [61] Orme, B. K. (2010). Getting Started with Conjoint Analysis: Strategies for Product Design and Pricing Research, Research Publishers, LLC; 2nd edition
- [62] Pafili, E., & Mylonakis, J. (2011). Occupation Structure and Career Choice Vs Education Development and Training Level: A Presentation of Theoretical Approaches. *International Education Studies*, 4(4), 22. Retrieved June 20, 2019 from <http://dx.doi.org/10.5539/ies.v4n4p22>
- [63] Paulsen, M. (1990). College choice: Understanding student enrolment behavior. Washington, D.C.: Eric Clearinghouse on Higher Education and George Washington University
- [64] Perez, A. (2018). SEDA: Hotel Industry in Davao Thriving. Sun star. Retrieved August 4, 2019
- [65] Philippine Statistics Authority (PSA) (2011). Tourism Industry in the Philippines. *Journal of Philippine Statistics*, Vol 3: 2
- [66] Porter, S.R., & Umbach, P.D. (2006). College Major Choice: An Analysis of Person- Environment Fit. *Research in Higher Education*, 47(4), 429-449.
- [67] Prakash, K. Chathoth, S. A (2007). Core Curricular Issues in Hospitality and Tourism Education - Present Structure and Future Directions. *Journal of Hospitality & Tourism Education* 19: 10-19
- [68] Purcell, K., & Quinn, J. (1996). exploring the education-employment equation in hospitality management: A comparison of graduates and HNDs. *International Journal of Hospitality Management*, 15(1), 51-68
- [69] Raybould, M., & Wilkins, H. (2005). Over qualified and under experienced. *International Journal of Contemporary Hospitality Management*, 17, 203216.doi:10.1108/09596110510591891
- [70] Reigel, C. D. (1995). An introduction to career opportunities in hospitality and tourism. *A guide to programmes in Hospitality and Tourism* (4th Ed.). New York: John Wiley & Sons, Inc.
- [71] Republic Act 10173 (2012). "Data Privacy Act of 2012." Retrieved July 20, 2019 from <https://www.privacy.gov.ph/data-privacy-act/>
- [72] Roska, J., & Levey, T. (2010). What Can You Do with That Degree? College Major and Occupational Status of College Graduates Over Time. *Social Forces*, 89(2), 389- 416
- [73] Roy, D. (2011). School Infrastructure, Retrieved April 29, 2018 from <http://schoolinfrastructure.blogspot.com/>
- [74] Servier, R. A. (1986). Freshmen at competitive liberal arts college: A survey of factors influencing institutional choice. Unpublished dissertation, Ohio State University, Columbus, Ohio

- [75] Sidin, S., Hussin, S., & Soon, T. (2003). An Exploratory Study of Factors Influencing the College Choice Decision of Undergraduate Students in Malaysia. *Asia Pacific Management Review* 8(3): 259 – 280
- [76] Soutar G. & Turner, J. (2002). Student's preferences for a university. *The International Journal of Education Management*. 16, 1
- [77] St. John, E. (2000). Majors. *Black Issues in Higher Education*, 17(4), 21-27.
- [78] Stryker, D & Rajaratnam, B. (2004) Increasing demand for labor in South Africa. Retrieved June 12, 2018 from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.628.850&rep=rep1&type=pdf>
- [79] Swanger, N. & Gursay, D. (2007). 'An industry-driven model of hospitality curriculum for programs housed in accredited college of business: Program learning outcomes -part III'. *Journal of Hospitality & Tourism Education*, 19(2), pp. 46-50
- [80] Tan, C. (2009). College choice in the Philippines. Retrieved from https://digital.library.unt.edu/ark:/67531/metadc9916/m2/1/high_res_d/dissertation.pdf
- [81] Tesone, D. V. (2002). Why do some new hospitality college grads lack management skills? *Journal of Human Resources in Hospitality & Tourism*, 1(4), 33-45.doi:10.1300/J171v01n04_03.
- [82] Theobald, R. (2005). School Choice in Colorado Springs: The Relationship between Parental Decisions, Location and Neighborhood Characteristics. *International Research in Geographical and Environmental Education*, 14(92-111).
- [83] Trammell, B.A. & Aldrich, R.S. (2016). Undergraduate students 'perspective of essential instructor qualities. *Journal of the Scholarship of Teaching and Learning*. 16(1), 15-30.
- [84] Umemiya, N. (2008). Regional quality assurance activity in higher education in Southeast Asia: Its characteristics and driving forces. *Quality in Higher Education*, 14(3), 277–290. doi: 10.1080/13538320802507679.
- [85] Weiss, J. (2006). Stratified Allocation. Retrieved June 20, 2017 from https://sakai.unc.edu/access/content/group/2842013b-58f5-4453-aa8d-3e01bacbfc3d/public/Ecol562_Spring2012/docs/lectures/lecture42.htm.
- [86] West, D. (2006). "How a school's outside appearance affects student and public perception of that school". Retrieved May 20, 2018.
- [87] Wohlsletter, P & Morhman, S. (1993). School Based Management: Strategies for Success. Retrieved May 20, 2019.
- [88] Yang, L.T. (2014). Assessing the Competencies Needed by Hospitality Management Graduates in India. *Journal of Hospitality & Tourism Education* 26: 153-165.
- [89] Yazici, S., & Yazici, A. (2010). Students' Choice of College Major and their Perceived Fairness of the Procedure: Evidence from Turkey. *Educational Research and Evaluation*, 16(4), 371-382.
- [90] Yusof, M., Ahmad, S. N. B., Tajudin, M. & Ravindran, R. (2008). A study of factors influencing the selection of a higher education institution. *UNITAR e-Journal*, 4(2), 27-40
- [91] Zhao, J.L. (1991). A current look at hospitality and tourism education in China's colleges and universities. *International Journal of Hospitality Management*, 10(4), 357-367.