

The MSA: An Instrument for Measuring Motivation to Study Abroad

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Introduction¹

While there is a growing body of research on study abroad programs, as Li, Olson, and Frieze (2013) observed, “Research on study abroad has primarily focused on the effects or outcomes of study abroad participation on the students involved in these programs...Very limited attention has been devoted to studying factors affecting students’ intention and decision to study abroad” (p. 74). A variety of factors are likely to influence whether students choose to participate in a study abroad program, what program they select, and what benefits they realize from participation. If we hope to attract students to our programs and organize the programs to optimize the students’ experience, it is imperative that we are aware of what these factors are and how they influence students’ decisions. The focus of this paper is on the development of an instrument that accurately measures the key factors motivating a student’s decision to study abroad.

Literature Review

It is becoming increasingly clear that a study abroad experience can confer a wide range of benefits on participants. In 2004, Kitsantas reported, “Several studies focusing on study abroad outcomes have provided evidence that study abroad programs enhance students’ worldview (Carlson & Widman, 1988), global perspective (McCabe, 1994), cross-cultural effectiveness (Kitsantas & Meyers, 2001), interest in travel, art, foreign languages, history, and architecture (Carsello & Creaser, 1976), and increase reflective thought, self-reliance, self-confidence and personal well-being (Kuh & Kaufman, 1984)” (p. 441). Li, Olson, and Frieze (2013) list studies showing such positive outcomes as “...the development of cognitive skills (Maddux & Galinsky, 2009), self-confidence (Milstein, 2005), intercultural awareness (Langley & Breese, 2005), second language skills (Magnan & Back, 2007) and long-term career impact (Franklin, 2010) in the student participants” (p. 74). In a pre-post study, Rexeisen, Anderson, Lawton, and Hubbard (2008) concluded, “Overall this study supports that proposition that study abroad programs have a positive short-term impact on intercultural development” (p. 17). In yet another pre-post study, Anderson and Lawton (2011) reported that “students in the [semester abroad] program showed greater gains in intercultural development than did their on-campus counterparts ... The study results provide convincing support for the proposition that participation in a semester-length study abroad experience yields a significant increase in the participants’ intercultural development” (p. 97).

While we have mounting evidence of the power of study abroad experiences, we have

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considerably less information about factors related to the experience. Some research is available concerning students' desire or intention to study abroad and it seems likely that these same factors influence the choice of a destination for those students who choose to participate in a study abroad program. Naffziger, Bott, and Mueller (2010) found six factors that influenced students' decisions to study abroad: fear of the unknown, curricular issues, financial considerations, commitments, previous travel experience, and social obligations. Li, Olson, and Frieze (2013) found that personality factors such as students' achievement motivation, neophilia, migrant personality and desire to help can discriminate between high versus low desire to study abroad. Their study suggests "important predispositional factors within students that affect their intention [to study abroad]... Understanding student characteristics may assist educators in developing different types of programs and better promotional strategies to attract a wider variety of students to participate in study abroad programs. One application of our results is on offering study abroad programs that match with students' needs" (pp. 80-81).

We know that not all students profit equally from a study abroad experience (Vande Berg, Connor-Linton, & Paige, 2009). They reported on the relationship between intercultural development and variables such as prior language study, prior study abroad experience, class composition, student housing, cultural similarity between home and host cultures, and time spent with host nationals versus other U.S. nationals. It is intuitively reasonable that the parameters of a program (e.g., the duration of the program, living arrangements, language of instruction, magnitude of cultural "distance" between the U.S. and host cultures, etc.) impact the learning that occurs.

While many of the factors relating to relevant program parameters are readily apparent (Engle & Engle, 2003), it is important to understand how students' motivation for participating in a study abroad program mediates the magnitude of those gains. As the literature suggests (and as anyone who has led a study abroad program can attest), students have a myriad of reasons for traveling abroad. It seems likely that a student who participates in an effort to increase his or her understanding of the world will experience different outcomes from a student who participates because the legal drinking age is lower in the host country.

For research to advance on the moderating influence of student motivation, an instrument is needed to classify these motivations so that students can be sorted into appropriate categories. This paper describes the development of a paper and pencil instrument that classifies the principal motivations for students participating in study abroad programs.

Literature on Student Motivation to Study Abroad Program

The development of the Motivation to Study Abroad (MSA) instrument began with a review of the literature. A wide range of sources were consulted ranging from research studies to promotional pieces touting the benefits of study abroad experiences. There are many articles that encourage students to travel and these sources frequently list presumed benefits of the experience (e.g., see Gale Encyclopedia of Education; Powers, 2006; Vistawide; Study Abroad 360; Community Colleges for International Development; Go Abroad.com; StudyAbroad.com). However, published research on student motivation for taking part in study abroad programs is surprisingly sparse (Dwyer & Peters, 2004; Kitsantas, 2004; Ruhter McMillan & Opem, 2004; Sumka, 1999; Preston, 2012).

Two studies have appeared whose aim was quite similar to ours. Sanchez, Fornerino, and Zhang (2006) compared the study abroad motivations of U.S., French, and Chinese students and Nyaupane, Paris, and Teye (2010) measured the motivations of U.S. students who participated in study abroad programs in the South Pacific and Europe. A comparison of the findings of these studies is covered in the discussion section of this paper.

Developing the Motivation for Studying Abroad Instrument

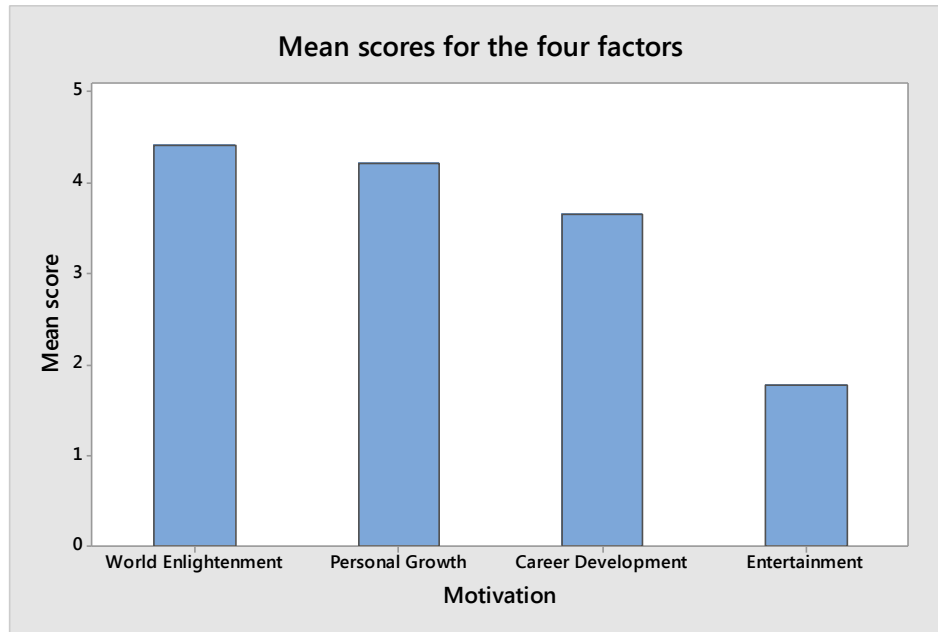
In addition to the literature sources, we also administered an open-ended instrument to two groups of students at a large, Midwestern, private university who had enrolled in study abroad programs asking why they had chosen to participate. The motivations identified through the literature search and open-ended data collections were used to develop a list of 53 statements that reflected a variety of reasons for studying abroad.

Next, these 53 statements were administered to 120 students enrolled in a variety of study abroad programs sponsored by the above university as well as by the American Institute for Foreign Study (AIFS). This was a very cursory examination using all data available at the time to get a broad look at the instrument. Students were asked to indicate on a five point scale, how important each questionnaire item was in their decision to study abroad. Exploratory factor analysis was conducted on the data. This preliminary round of analysis resulted in the elimination of 16 statements from the pool of items. The remaining set of 37 statements was then administered to a new group of 173 students enrolled in study abroad programs and a second round of exploratory factor analysis was performed on this set of data. The results of this analysis can be found in Appendix 1.

Four factors emerged from this second round of analysis and the number of items in the instrument was further reduced. The final instrument shown in Appendix 2 consists of 23 statements covering the following four dimensions: World Enlightenment, Personal Growth, Career Development, and Entertainment. Appendix 3 shows the rubric for scoring the instrument.

Table 1. MSA Dimensions

	Number of items	n	Mean	Median	Standard deviation	Cronbach's alpha
World Enlightenment	7	173	4.41	4.57	0.62	0.91
Personal Growth	6	173	4.20	4.33	0.72	0.86
Career Development	5	173	3.64	3.80	0.96	0.89
Entertainment	5	173	1.77	1.60	0.75	0.82



As can be seen in Table 1, World Enlightenment is the highest rated of the motivations for studying abroad followed by Personal Growth. Desire for Entertainment comes in a distant fourth. While this may be an encouraging finding for study abroad sponsors, it must be taken with a grain of salt. It is likely that students choosing to participate in a study abroad program may consciously or subconsciously be unwilling to admit their true reasons for choosing to participate. We address this potential self-report bias under Limitations, below.

The final stage in testing the adequacy of the Motivation to Study Abroad instrument was to subject this final pool of 23 statements to confirmatory factor analysis. For this analysis, a new set of 308 students who participated in AIFS international programs was used. The results of the confirmatory factor analysis support that this instrument provides an acceptable tool for measuring students' motivations for choosing to study abroad. The criteria for determining the quality of an instrument are shown in Table 2. "According to typical interpretation guidelines ... , values greater than .90 and .95 for the CFI and TLI are considered to be respectively indicative of adequate and excellent fit to the data, while values smaller than .08 or .06 for the RMSEA support respectively acceptable and excellent model fit" (Morin, Arens, & Marsh, in press, p. 14). As can be seen from comparing the statistics for the MSA with these criteria, the MSA can be described as an adequate instrument for measuring motivation for studying abroad.

Table 2. Quality of Instrument Ratings

	Excellent model	Adequate model	MSA statistics
Comparative fit index (CFI)	> 0.95	> 0.90	0.91
Tucker-Lewis Index (TLI)	> 0.95	> 0.90	0.90
Root mean square error of approximation (RMSEA)	< 0.06	< 0.08	0.074 90 percent C.I. 0.067 to 0.081
Standardized root mean square residual (SRMR)	< 0.06	< 0.08	0.062

Cronbach's alphas were computed for this new group of students, see Table 3. While the means and medians for two of the dimensions, World Enlightenment and Personal Growth, were a bit lower for this set of students than for the 173 students who were used at an earlier stage of model development (see Table 1), all of the remaining statistics were almost identical. The MSA instrument appears to produce consistent results and the reliability scores for the internal consistency of the four dimensions all are in the good to excellent range. These Cronbach alpha scores provide further evidence that the MSA instrument is a suitable tool for measuring student motivations.

Table 3. Cronbach Alphas

	Number of items	n	Mean	Median	Standard deviation	Cronbach's alpha
World Enlightenment	7	308	4.23	4.36	0.68	0.91
Personal Growth	6	308	4.05	4.20	0.68	0.86
Career Development	5	308	3.63	3.80	0.97	0.90
Entertainment	5	308	1.84	1.60	0.72	0.81

Limitations

The motivation to study abroad instrument suffers from a problem common to many measurement tools relying on self-report. It is likely that social desirability leads to understating the importance of some motivations while overstating the importance of others. Even when students are assured that their responses are anonymous (as they were here), it is probable that they will over-endorse motivations such as "Increase my understanding of the world" and underreport items such as "Do some serious partying."

While a self-reporting bias may well exist in the data, the *patterns* of student motivations can still provide insights for study abroad providers and universities offering study abroad programs. For example, even if students under-report their degree of desire for entertainment, thus yielding an artificially low average score on this dimension, *relative* scores still may yield useful information about which study abroad programs appeal to students with differing motivations. A second limitation of the present study is that data were collected exclusively from students participating in programs offered by U.S. institutions and virtually all study participants were from the U.S. Sanchez, Fornerino, and Zhang (2006) found that the motivation for participating in study abroad programs differed for students across different countries. Consequently, generalizing the results of the present study to other countries should be done with caution. While it is likely that most motivations for studying abroad transcend national boundaries, it is probable that some motivations are country specific.

Discussion

The aim of this study is rather limited. We are not presenting findings on how motivations differ by program or by country, nor are we describing how the outcomes of study abroad experiences are influenced by motivation. Rather we are providing an instrument to be used in future studies. As stated at the outset of this paper, it seems reasonable that the experiences and outcomes realized by students participating in study abroad experiences will be heavily influenced by their motivations for taking part in the program. While this hypothesis has intuitive appeal, it cannot be investigated without an instrument for assessing motivations. This study represents a rigorous effort to present such an instrument. Considerable care was devoted to generating a comprehensive set of potential motivations for participating in study abroad programs and considerable effort was put into testing and refining

the instrument.

Since two previous studies have been published that describe the development of instruments to measure motivations, it is informative to compare the findings. Sanchez, Fornerino, and Zhang (2006) and Nyaupane, Paris, and Teye (2010) report studies that employed a similar methodology – factor analyzing a set of statements – to identify categories of motivations for participating in study abroad programs.

Sanchez, et al. (2006) generated a list of statements based on the open-ended responses of a sample of international students and students in China. Nyaupane, et al. (2010) used “thirty-five motivation questions...developed and modified from...previous studies” (p. 210). As with our study reported here, both of these studies had students respond to their motivations on five point scales.

A comparison of the findings for these three studies is shown in Table 4. Clear similarities exist across the three studies in terms of some of the dimensions. Based on an examination of the items, what we chose to label “World enlightenment” is very similar to Sanchez, et al.’s (2006) “Search for new experience” and Nyaupane, et al.’s (2010) “International.” This dimension covers increasing the student’s understanding of the world and of other cultures (See Table 4A). The Sanchez, et al. (2006) and the Nyaupane, et al. (2010) studies also included more general items. We designated those items with an asterisk (*) in the tables. In our study, items similar to these (i.e., See things I've only known from pictures, Have an adventure, Have fun) loaded both on the Entertainment dimension as well as on the cultural/learning dimension. Consequently, we dropped these items from our instrument. While Sanchez, et al. (2006) do not provide their factor loadings, it’s worth noting that in the Nyaupane, et al. (2010) study these two items had the lowest factor loadings (Visit several countries, 0.580, and Travel outside of the U.S., 0.451). This dimension of world enlightenment appears to be cleanest when the items are limited to the cultural/learning dimensions.

Table 4A. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
World enlightenment Learn about the world Better understand different cultures Interact with people from other countries Expand my world view Enhance my understanding of global affairs and events Increase my understanding of the world Become acquainted with people different from me	Search for new experience To experience another culture To be exposed to people from other countries To live in another culture To obtain a different view of the world To have exciting experience * To experience a lifestyle other than my own To learn about other cultures To travel * To see the world * To see new things * To become part of a new culture To have international experience * To better learn about human civilization	International Socially/culturally learn more about host country Interact with people in host country Experience culture of host country Meet people from different country Have an authentic experience with past cultures Get broader understanding of the world Visit several countries * Travel outside of U.S. * Develop close relationships with locals ✘

✘ This item had similar, low loadings (0.433 and 0.457) on two dimensions.

*Items denoted with asterisks, while related to World Enlightenment, are more general in their focus.

As shown in Table 4B, Sanchez, et al. (2006) and the present study identified a common dimension having to do with professional advancement. We labeled this dimension “Career development” while Sanchez, et al. (2006) labeled it “Improve a professional situation.” An examination of the items in the two studies shows that several are very similar. However, Sanchez, et al. (2006) also included items in this dimension that are focused on the individual’s children as opposed to career improvements that are personal in nature.

Table 4B. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
<p>Career development Enhance my employment prospects Gain career skills Prepare for my career Gain in-depth knowledge in my chosen field Build my resume</p>	<p>Improve a professional situation To benefit my future career To make a professional work connection To more easily enter the job market To find a work environment that allows me a chance to succeed To learn about new ways of doing business To help me be able to work in another country To be richer To be exposed to a higher academic level of thought To study at a prestigious university To create my own independent life To provide a good living to my children So that my children can be exposed to a complete, modern and systematic educational system</p>	

While the similarities among the items are somewhat looser, the Sanchez, et al. (2006) and the present study share a dimension having to do with the entertainment value of the experience. We label the dimension “Entertainment” while Sanchez, et al. (2006) call it “Search for liberty/pleasure” (see Table 4C). Interestingly, Nyaupane, et al. (2010) did not have a similar dimension.

Table 4C. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
<p>Entertainment Go out drinking Do some serious partying Make my friends a little envious of me Experience the local nightlife (clubs, bars, etc.) Have a romantic encounter</p>	<p>Search for liberty/pleasure To increase my enjoyment level To experience a more exotic life To have fun To live independently without worrying so much about what others think of me</p>	

The remaining dimensions identified in the three studies appear to be reasonably unique. The present study has a set of items we chose to call “Personal growth.” Surprisingly, neither of the other studies have any items that touch on this dimension. The closest would be what Sanchez, et al. (2006) labeled as “Learn other languages” (see Table 4D). But neither the Nyaupane, et al. (2010) study nor the present study included a dimension specifically having to do with learning a language.

Table 4D. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
Personal growth Learn to stand on my own two feet Increase my self-confidence Become more independent Grow as a person Gain maturity Better understand myself	Learn other languages To learn other languages To learn a beautiful language that I like very much To learn a native language	

The Sanchez, et al. (2006) study included students from France and China as well as from the U.S. It appears that their added international dimension may have yielded a dimension that is more relevant to students from countries other than the U.S. Their dimension “Improve a social situation” included such items as “Because there are more opportunities in other countries than in my country to obtain a university degree”, “To be able to freely practice my religious beliefs”, and “To live where one’s private life is respected”, as well as items having to do with pleasing one’s parents. Neither the present study nor the Nyaupane, et al. (2010) study included items intended to tap this facet of international travel.

Table 4E. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
	Improve a social situation Because there are more opportunities in other countries than in my country to obtain a university degree To improve my parents’ social recognition To please my parents To live where personal relations are relatively simple To be able to freely practice my religious beliefs To live where one’s private life is respected	

Finally, the Nyaupane, et al. (2010) found two dimensions that were not identified in either the present study or the Sanchez, et al. (2006) study. While we included several items similar to Nyaupane, et al.’s (2010) “Escape” factor (i.e., Re-invent myself, Escape from the boredom of my routine, Escape from my personal problems) the loadings for these items split between “Entertainment” and “Personal growth” and failed to form a unique dimension. For Nyaupane, et al. (2010), the final factor, “Social,” appears to be a combination of academic credit (Earn six academic credits and Earn academic credit while traveling), friendship (Travel with friends and Show friends/family that have been to host country), and entertainment (Buy goods and gifts from host country). In our study, we included several items dealing with friends and family as well as academics (Learn about historical events, Take electives not available at home, Learn about religions of the world, and Fulfill a graduation requirement), but none of these items yielded a separate, unique factor.

Table 4F. Comparison of the findings of the three motivation studies

Present Study	Sanchez, Fornerino, Zhang	Nyaupane, Paris, & Teye
		Social Earn six academic credits Earn academic credit while traveling Show friends/family that have been to host country Travel with friends Buy goods and gifts from host country
		Escape Get away from stressful situation Escape social boundaries Travel independently without family Escape day-to-day life Have convenience of prearranged travel Escape legal boundaries Develop close relationships with locals ✕

✕ This item had similar, low loadings (0.433 and 0.457) on two dimensions.

Conclusion

The purpose of the present study is to provide researchers with an instrument for measuring student motivation for participating in a study abroad program. It seems likely that the study abroad destinations students select, the living arrangements they prefer, the activities they choose to engage in, and the benefits they derive from participating will be influenced by their motivation for traveling abroad. Without an instrument to categorize motivation, it is impossible to empirically test the impact of motivation on these program factors. The Motivation to Study Abroad (MSA) instrument presented here has face validity, has high statistical reliability, meets accepted criteria for reliability, and can be administered easily.

We hope that researchers will choose to administer and report the scores for the MSA and how they relate to intercultural development. Comparing the outcomes for various programs should help to shed light on some of the following questions:

Do students with different MSA profiles...

- choose different program destinations?
- choose programs of different duration?
- choose different housing arrangements (for example, home-stay, residence hall/dormitory, apartment)?
- choose different types of programs (e.g., island programs vs. direct enrollment)
- choose different course options while overseas?
- choose to spend their out-of-class time with different people (for example, classmates from the U.S. versus people from the host company)?
- participate in different types of extracurricular activities?

Do the learning outcomes of students with different MSA profiles differ? (We might expect that the magnitude of the gains students achieve in cultural sensitivity and/or academics would vary for students with differing motivations.)

Do MSA profiles differ for students with differing degrees of international experience?

If those conducting research on study abroad programs report MSA scores along with information on the students' intercultural development and the characteristics of their programs (the destination of the program, the duration of the program, the housing arrangements, etc.), it is our hope that we can increase our understanding of the program characteristics that produce maximal gains for participating students.

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Appendix 1: Exploratory Factor Analysis

Variable	World Enlightenment	Entertainment	Personal Growth	Career Development	Community
Learn about the world	0.829	0.028	-0.207	-0.028	0.732
Better understand different cultures	0.791	-0.021	-0.165	-0.157	0.678
Interact with people from other countries	0.780	0.063	-0.168	-0.034	0.641
Expand my world view	0.720	0.030	-0.237	-0.132	0.593
Enhance my understanding of global affairs and events	0.703	-0.043	-0.113	-0.200	0.549
Increase my understanding of the world	0.681	0.102	-0.257	-0.255	0.605
Become acquainted with people different from me	0.650	0.028	-0.248	-0.247	0.546
Go out drinking	-0.011	-0.813	-0.030	0.106	0.674
Do some serious partying	-0.025	-0.801	0.045	0.112	0.656
Make my friends a little envious of me	-0.040	-0.711	0.054	-0.010	0.511
Accumulate better stories than my friends	-0.034	-0.698	-0.035	-0.174	0.520
Experience the local nightlife (clubs, bars, etc.)	0.103	-0.676	-0.192	-0.101	0.515
Buy memorable souvenirs	0.099	-0.645	-0.077	-0.235	0.487
Have a romantic encounter	-0.137	-0.645	-0.063	-0.025	0.440
Learn to stand on my own two feet	0.318	-0.118	-0.764	-0.052	0.701
Increase my self-confidence	0.134	-0.114	-0.699	-0.276	0.596
Become more independent	0.298	-0.094	-0.691	-0.218	0.623
Grow as a person	0.358	0.073	-0.617	-0.004	0.515
Gain maturity	0.370	-0.093	-0.610	-0.004	0.518
Better understand myself	0.423	0.001	-0.539	-0.123	0.579
Enhance my employment prospects	0.114	-0.159	-0.174	-0.825	0.749
Gain career skills	0.216	-0.039	-0.172	-0.821	0.751
Prepare for my career	0.228	-0.109	-0.084	-0.767	0.659
Gain in-depth knowledge in my chosen field	0.327	-0.062	0.012	-0.745	0.666
Build my resume	0.137	-0.248	-0.161	-0.712	0.614
Learn to handle new circumstances	0.700	-0.016	-0.436	-0.038	0.681
Develop cross-cultural skills	0.631	0.098	-0.080	-0.393	0.569
Broaden my horizons	0.597	0.027	-0.310	-0.151	0.476
Learn about historical events	0.591	-0.084	-0.038	-0.063	0.362
Learn about religions of the world	0.558	-0.285	-0.004	0.003	0.393

Develop skills to face challenging situations	0.533	-0.056	-0.310	-0.300	0.474
Explore the arts (visit museums, attend concerts and cultural performances, view architecture, etc.)	0.454	-0.219	-0.058	-0.135	0.276
Bring home items unique to my host country	0.223	-0.581	-0.075	-0.179	0.426
Take electives not available at home	0.047	-0.456	-0.082	-0.279	0.295
Explore my ethnic background	0.212	-0.285	-0.245	-0.075	0.192
Re-invent myself	0.068	-0.376	-0.504	-0.209	0.444
Escape from the boredom of my routine	-0.021	-0.469	-0.427	0.019	0.403
Variance	7.3460	4.8971	3.9377	3.9255	20.1063
% Variance	0.199	0.132	0.106	0.106	0.543

Note: The following 16 items were eliminated from the original set of 53 during the first round of factor analysis: Improve my intercultural communication skills; Have fun; Enjoy life; Have an adventure; Enhance my prestige; Eat new foods; See things I've only known from pictures; Escape from my personal problems; Improve my language skills; Fulfill a graduation requirement; Spend time and share experiences with friends from school; Learn how to cope with situations where I don't know what to do; Visit friends/relatives overseas; Accompany someone I know; Family members want me to go; Friends want me to go.

Appendix 2: The Motivation to Study Abroad (MSA)

How important is each of the following in motivating you to participate in this study abroad program?

	Not at all important	Slightly important	Important	Very important	Absolutely essential
Gain maturity	1	2	3	4	5
Experience the local nightlife (clubs, bars, etc.)	1	2	3	4	5
Prepare for my career	1	2	3	4	5
Become acquainted with people different from me	1	2	3	4	5
Better understand myself	1	2	3	4	5
Increase my self-confidence	1	2	3	4	5
Enhance my employment prospects	1	2	3	4	5
Increase my understanding of the world	1	2	3	4	5
Gain career skills	1	2	3	4	5
Have a romantic encounter	1	2	3	4	5
Expand my world view	1	2	3	4	5
Go out drinking	1	2	3	4	5
Make my friends a little envious of me	1	2	3	4	5
Grow as a person	1	2	3	4	5
Enhance my understanding of global affairs and events	1	2	3	4	5
Do some serious partying	1	2	3	4	5
Gain in-depth knowledge in my chosen field	1	2	3	4	5
Interact with people from other countries	1	2	3	4	5
Build my resume	1	2	3	4	5
Become more independent	1	2	3	4	5
Better understand different cultures	1	2	3	4	5
Learn to stand on my own two feet	1	2	3	4	5
Learn about the world	1	2	3	4	5

Appendix 3: Scoring the MSA:

The MSA yields a set of four scores. Means should be computed for the items measuring each of the four dimensions, World Enlightenment, Personal Growth, Career Development, and Entertainment.

World Enlightenment (7)	
Item number	Statement
4	Become acquainted with people different from me
8	Increase my understanding of the world
11	Expand my world view
15	Enhance my understanding of global affairs and events
18	Interact with people from other countries
21	Better understand different cultures
23	Learn about the world
Personal Growth (6)	
1	Gain maturity
5	Better understand myself
6	Increase my self-confidence
14	Grow as a person
20	Become more independent
22	Learn to stand on my own two feet
Career Development (5)	
3	Prepare for my career
7	Enhance my employment prospects
9	Gain career skills
17	Gain in-depth knowledge in my chosen field
19	Build my resume
Entertainment (5)	
2	Experience the local nightlife (clubs, bars, etc.)
10	Have a romantic encounter
12	Go out drinking
13	Make my friends a little envious of me
16	Do some serious partying