

Name: Chia Wen Cheng

2022 Winter

SurvMeth 630: Questionnaire Design and Evaluation

Assignment #4: Revised Questionnaire (2nd Draft)

Part I: mode of administration and the link to the survey, questionnaire draft, and changes and explanations

*This questionnaire is designed to be a **web survey** so it is easier to be delivered to more international students through social media, such as Facebook groups, Slack channels, and Line groups. Click on the [link](#) to see the survey.

**This is an anonymous questionnaire that only collect respondents' gender, races/ethnicities, degrees pursuing and programs. The collection of emails is merely for autosaving responses and sending response copies when requested.

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Questionnaire Starts Here

Research Question:

Mental health and well-being of the international students at the University of Michigan

Purpose of the Research Study:

Results from this project will be used to construct a multi-cultural, cross-sectional instrument to assess the well-being and mental health of international students enrolled at the University of Michigan. This assessment will assist the U-M community to understand and to offer services that better fit the needs of international students.

Voluntary Participation:

You should take part in this study only because you want to. There is no penalty for not taking part, and you will not lose any benefits if you choose not to participate.

Every question is required. But you have the right to stop responding and quit the survey instrument at any time.

You must be an international student 18 years of age or older to be included in the research study.

Time required:

This questionnaire takes approximately 5 minutes to complete.

Most of the questions ask about your own feelings **living in the U.S.** There are no “right” or “wrong” answers. Please choose the ones that you feel best described, most comfortable with, or seems “right” for you. Do not worry about the outcome of your responses.

Disclosure:

You may ask for help if there is something you do not understand or are not sure how to answer a question.

Your answers will be combined with others to make totals and averages in which no individual can be identified. All your answers will be kept confidential.

Study contacts for questions about the study or to report a problem:

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Hint for analysts:

Dimension:

I. Quality of Relationship

- a. Courage to Actively Start Relationships
- b. Supportivity
- c. Personal Original Expectations
- d. Maintenance

II. Engagement at Academic Activities

- a. Research Participation Opportunity
- b. In-class Discussion Integration
- c. Communication with Faculties
- d. Background Knowledge Assistance
- e. Scholarships

III. Enjoyment of Extra-curriculum Activities

- a. Student Organizations
- b. Clubs/Volunteer Activities
- c. On-campus Jobs
- d. Off-campus Internships

IV. Levels of Stress

- a. Expenses
- b. Career

V. Satisfaction with Life

- a. Meals
- b. Housing
- c. Shopping
- d. Medical Service
- e. Sense of Belonging

Appendix: (Demographic Section)

- Gender
- Races/Ethnicities
- Cultures
- Degree Pursuing
- Programs

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Questions: Please answer the following questions based on your own feelings **living in the U.S.** with options that best described, you feel most comfortable with, or seem “right” for you.

No.	Question	Response	Dimension
1	I feel comfortable to be the one who actively start building relationships with people.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	I-a
2	I am satisfied with the emotional support from my friends.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	I-b
3	My relationships are very much in line with my initial expectations.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	I-c
4	I am satisfied with maintaining the relationships I have built.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	I-d
5	On-campus research opportunities for me are comparable to domestic students as far as I am acknowledged.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	II-a
6	I feel involved in any kinds of in-class discussions.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	II-b
7	Faculty is accessible (in person or virtually via email, text, phone calls, etc.) for me to communicate with.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	II-c
8	My college provides sufficient assistance with background knowledge needed for my major, such as the political, historical, and cultural contexts.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree	II-d

		v. Strongly Agree vi. I'm not sure./I have no idea.	
9	I am often informed of qualified scholarship/fellowship opportunities.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	II-e
10	I have many opportunities to get involved or join student organizations.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	III-a
11	I have many opportunities to participate in volunteer activities or become a member of clubs.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	III-b
12	There are plenty of eligible off-campus job opportunities for me.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	III-c
13	I am often informed of qualified off-campus internship opportunities.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	III-d
14	I SELDOM worry about how much living expenses I can manage with.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	IV-a
15	I am positive about finding a job that matches my expectations after graduation.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	IV-b
16	I am satisfied with the availability of food(s) from my culture(s) here.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	V-a

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17	Housings and utilities here are affordable for me.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	V-b
18	I am satisfied with the accessibility and affordability of buying my daily-need items.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	V-c
19	Medical services here are reliable to me. (Please consider both medical technologies and your degree of reliance, such as the frequency you are willing to utilize related services.)	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	V-d
20	I often have the opportunity to share my cultures within this community.	i. Strongly Disagree ii. Disagree iii. Neutral iv. Agree v. Strongly Agree vi. I'm not sure./I have no idea.	V-d
i	Which of the followings best described your gender?	i. Male ii. Female iii. Non-binary gender iv. Prefer not to say	Appendix
ii	Please specify your races/ethnicities. (e.g. Asian, White...)	(A short answer of the respondent)	Appendix
iii	What culture(s) do you subjectively believe you belong to? (e.g. Indian)	(A short answer from the respondent)	Appendix
iv	What degree are you currently pursuing at the University of Michigan?	i. Bachelor's ii. Master's iii. PhD iv. Certificate	Appendix
v	Please specify the FULL name(s) of the program(s) you are in.	(A short answer from the respondent)	Appendix

*You have reached the end of this questionnaire.
Thank you for your time and co-operation!*

Part II: analysis plan

1. Specify research question (from Assignment 1) (5 points)

Research Question:

Mental health and well-being of the international students at the University of Michigan

Purpose of the Research Study:

Results from this project will be used to construct a multi-cultural, cross-sectional instrument to assess the well-being and mental health of international students enrolled at the University of Michigan. This assessment will assist the U-M community to understand and to offer services that better fit the needs of international students.

2. Specify item/items used to answer the research question (5 points)

Through literature review, I take a framework composed of five out of the numerous dimensions to assess mental health of a specific group of populations in this study. The examination from **relationship quality, involvement in academic activities and extracurricular activities respectively, life satisfaction, and stress of living** may not be sufficient to fully interpret the respondent's mental healthiness, but are critical especially to students, and are services already provided by the administrative units at the university. Thus, the results are expected to directly align with the purpose of the study--to improve the offered resources and assistance from the university that helps ameliorate international students' experiences living in the community.

3. Specify how you plan to recode the item/items in your analysis (5 points)

The response options remain all the same throughout the body of the questionnaire, which are "strongly disagree, disagree, neutral, agree, strongly agree, and not sure or don't know."

I will **recode the first five options to a five-level scale starting from 1 to 5. The higher the score is, the more positive the respondent feels in that subdimension.** (Question 14 may be tricky so I highlighted the word "seldom", intending to avoid mistakes in responses.) For **the last option in each question, I plan to recode it as "N/A"** because this answer is invalid for me to draft recommendations from the results, no matter it means that the respondent has no relative experience or that they are reluctant to declare their feeling.

4. Specify how you plan to handle missing data to the item/items (5 points)

According to the design of Google Form that enables a questionnaire designer to set every question required to answer for submitting the form, there should be no missing data from the original data. However, I recoded the last option in every question in the main body of the questionnaire to "N/A", which can be considered as the missing data. I plan to **sum the amount of missing data in each question, and conjecture the possible reasons of getting those answers.** If one question resulted in a large proportion of missing data, there might

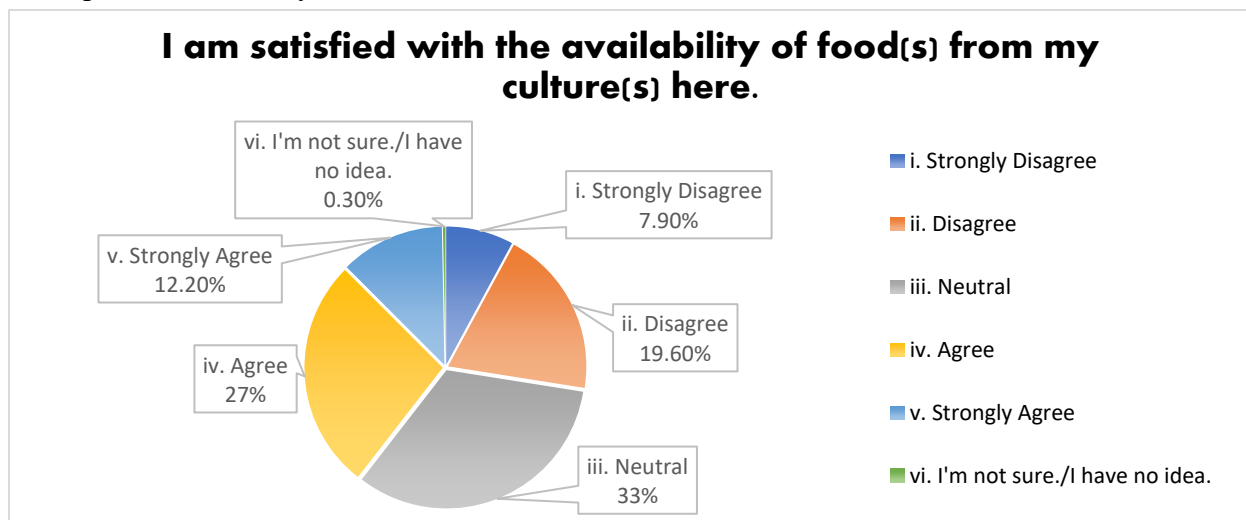
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either be something wrong with the question description or lack of advocacy of relevant services, which I would like to **suggest for propagating the service.**

5. Specify what analysis you plan to do with the item/items to address the research question (10 points)

I plan to interpret the data with descriptive statistics method that calculate the mean, mode, standard deviation, and so on. With these data, I will be able to **see the flaws that negatively impact students' mental health the most, the advantages most helpful to students' well-being, and the variation.** I will also be able to **compare the differences in responses from different races/ethnicities according to the demographic survey, and contribute approaches that support specific groups** within international students at the U-M.

Example of result analysis: Pie Chart



With pie chart, we are able to further analyze a single category in one of the dimensions. In the above result made by me, we notice that the degree of satisfactory about getting foods from students' cultures is only 39.2 percent, with only 12.2 percent of the international students at U-M feeling very satisfied. On the contrary, the degree on unsatisfactory is 39 percent, with 7.9 percent of the surveyees expressing strongly unsatisfied. If U-M would like to make the campus or the near-campus community a more comfortable and relaxed living place to international students, enhancing the choices of cultural foods affordable and accessible to them is without a doubt critical.

Pie chart will be used to assess one category at a time. As an analyst, it will be more ideal to be applied to qualitative analysis with data we collected from the demographic section. By doing so, we can analyze the difference among races/ethnicities and can focus on improving services for specific groups of international students. For example, if we figured out that Taiwanese cuisines such as stinky tofu, chicken chop, and red bean cake are in shortage, we can try to change it.