Creating and Analyzing Qualtrics Surveys

Taught by: Ana Abraham and Dipa Desai Digital Integration Teaching Initiative JRNL5480: Research for Media Strategy Spring 2023



Sample: Campus Commute

Take a few minutes to fill out this survey. We will use this to point to examples:

https://bit.ly/diti_qualtrics_survey



Workshop Agenda

- Introduction to Qualtrics Forms for Survey Creation
- Tips for Writing Survey Questions
- Programming Different Types of Survey Questions
- Exporting and Analyzing Surveys from Qualtrics

Slides, handouts, and sample survey available at:

https://bit.ly/sp23-chung-jrnl5480-qualtrics



Research Ethics

While doing official research involving human subjects, always:

- 1. Get IRB (Institutional Review Board) approval
- 2. Find the right, secure survey tool to use; Northeastern uses Qualtrics, which is secure for keeping your results private
- 3. Understand that your specific questions will gather specific answers. Try not to steer your participants in a particular direction, and always be wary of the vulnerabilities of the demographic(s) you're studying.



Qualtrics

- Qualtrics is a great survey option for more formal surveys.
- You can use it in many industries: political campaigns, marketing, academia and many others.
- It has many pre-programmed, built-in questions which can save you a lot of time.



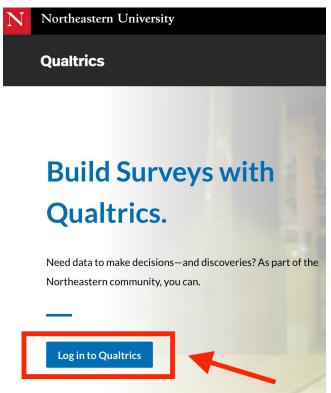
You can login with your
 Northeastern credentials:
 qualtrics.northeastern.edu

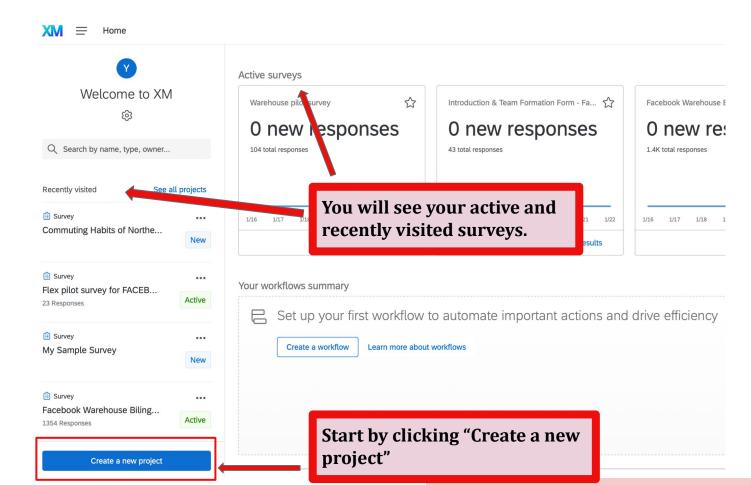


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Once in Qualtrics

Step 1. Log in with your Northeastern credentials.



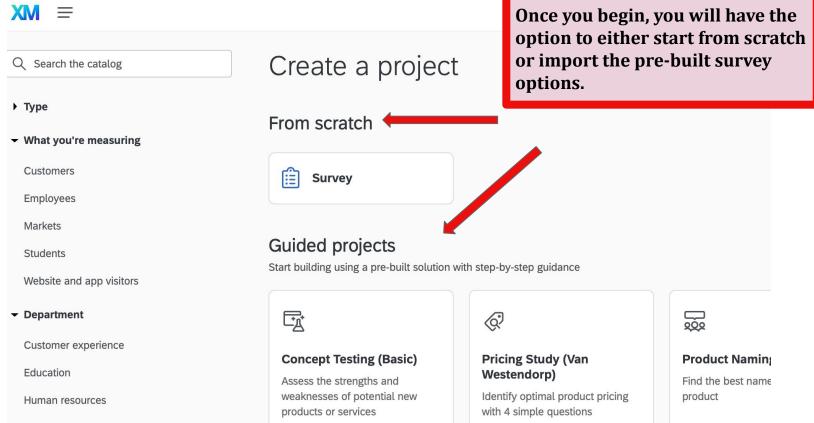


Step 2. Begin the project



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Step 3. Open a blank project





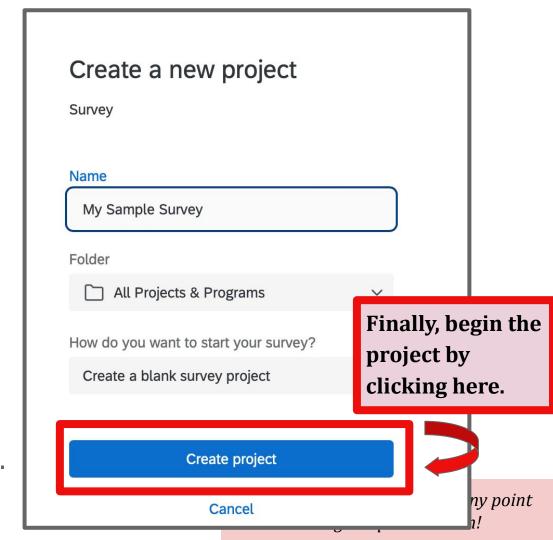
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Step 4. You can:

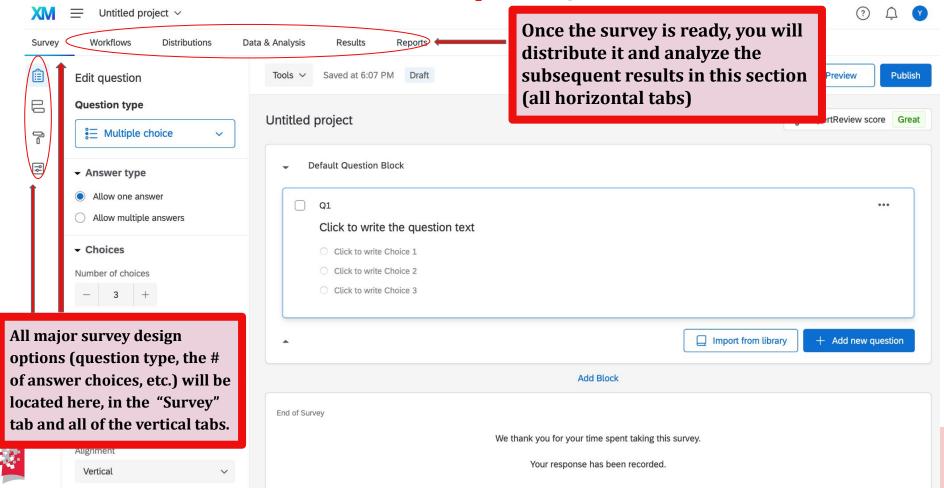
- Name your survey right away or do it later.
- Place it in a folder
 (especially, if you have several survey projects)
- Start a blank survey or export the pre-built survey questions. A blank survey option is the most common.

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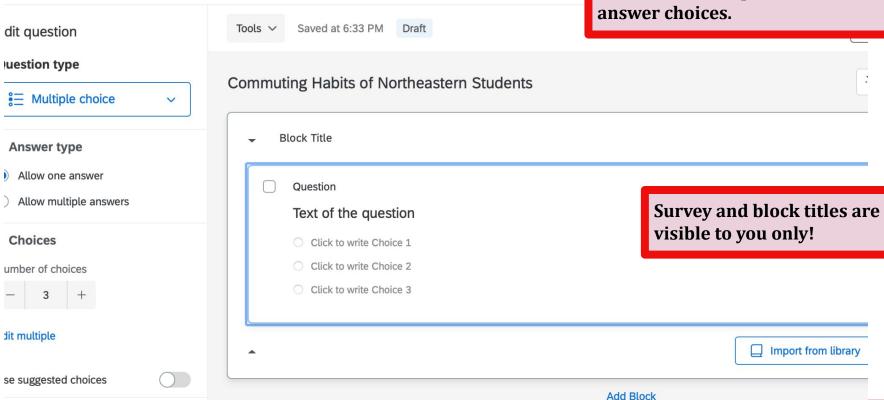
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Basic Anatomy of Qualtrics



Blocks and Questions



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Feel free to ask questions at any point during the presentation!

You will see spaces for a survey title, block title, questions, and

Different Types of Questions

Multiple choice: questions that only have specific answers and the user can only click one. For example, "What is your favorite physical exercise?"

Likert-scale: a type of response scale in which respondents can specify their level of agreement, importance or satisfaction typically in 5 points, (1) strongly agree to (5) strongly disagree.

Checkboxes: questions that only have specific answers and the user can click multiple. For example, "select all the physical exercises you did last week".

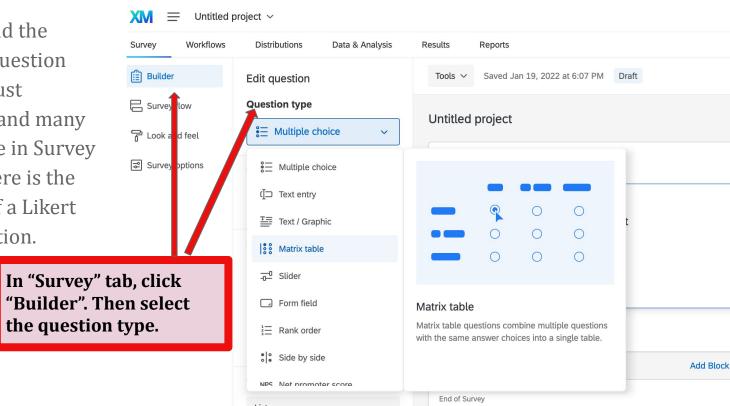
Linear Scale: questions that invite users to choose from a lower to higher number that match their experience. Typically, on a scale from 1 to 10; allows a more granular measure of affect and participants are able to express their degrees of response.

Paragraph/Short Answer: open-ended questions that usually invite longer prose. For example, "Describe your favorite gym exercise and how it makes you feel".



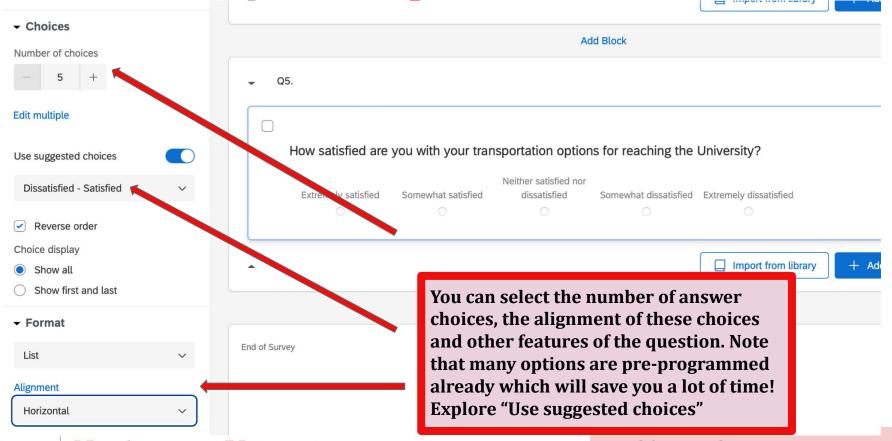
Answer Choices in Qualtrics

 You can find the common question types we just discussed and many many more in Survey Builder. Here is the example of a Likert scale question.





Answer Choices in Qualtrics. Likert Scale



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Bad Survey Questions

- "On a scale from 1 to 10 please rate the discounted academic quarter MBTA pass program."
 - Scientific or technical jargon. Your respondents may or may not be aware of the program or, perhaps, it's the first time they heard this title.
- "Do you think that many programs that are currently reviewed by the university administration, like the expansion of bike lanes on campus, would be environmentally friendly and affordable?"
 - Vaguely worded and asking two questions (double-barreled).



Bad Survey Questions

- "Do you think the inept university administration should for once finally do something about improving our campus commuting experience?"
 - Try to avoid biased judgmental language and anything that your respondents might find off-putting!
- How long does it take you to commute to campus on a typical day?
- Less than 10 minutes
- 11-20 minutes
- 15-35 minutes ← Overlapping Answers are a Common
- 25-40 minutes Mistake
- 41-50 minutes
- 51-60 minutes
- More than one hour

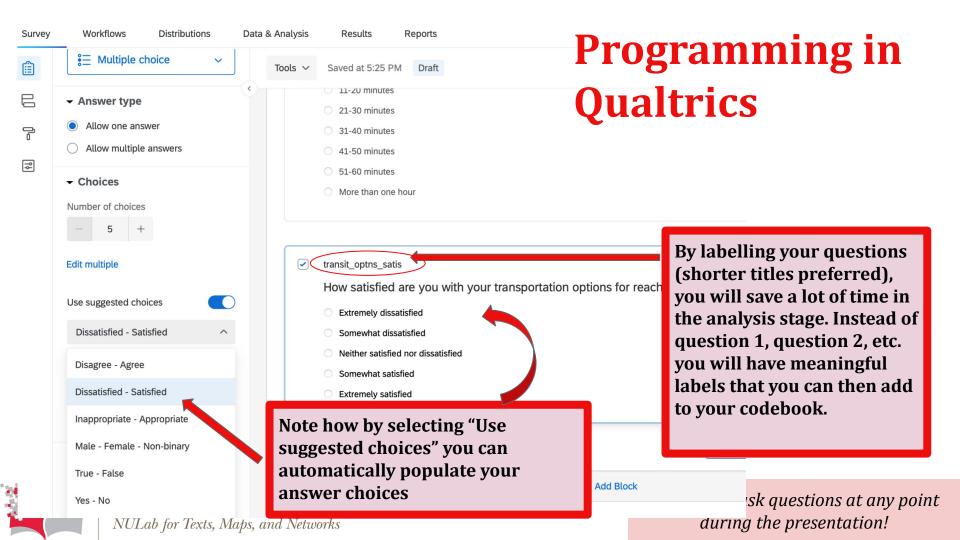


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Bad Survey Questions

- Do you always take the MBTA when you commute to campus?
 Choices: Sometimes, Rarely, Never
 - "Always" is confusing. The feedback from this question will not be very useful.
- Does not the MBTA provide adequate resources for commuters? Choices: Yes/No
 - Double-negatives are incredibly confusing for survey takers
- Mismatched answer choices, random questions that do not fit thematically and many other problems that can be fixed by reading the questions out loud or to peers!





If-Then: Go to Section Based on Answer

If you want to ask your respondents' consent to participate, conduct follow up interviews, or if you only want participants who put specific answers to see specific content, there are two options available for that.

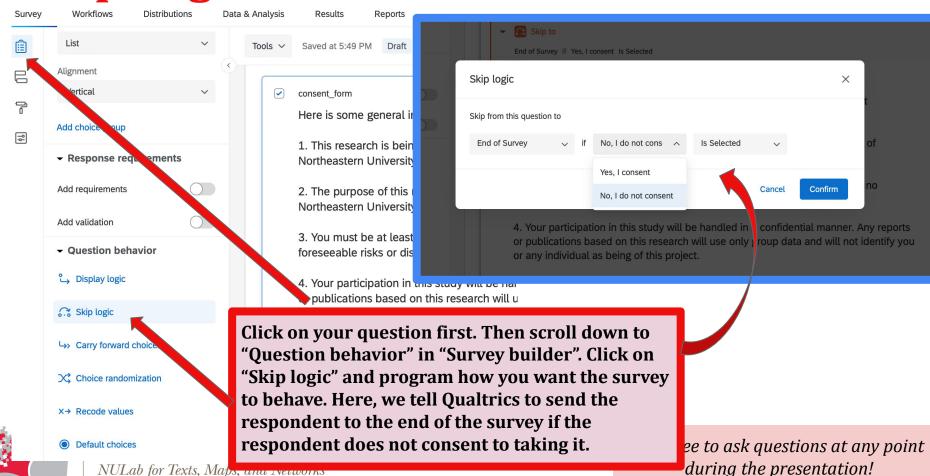
- Skip logic
- Display logic

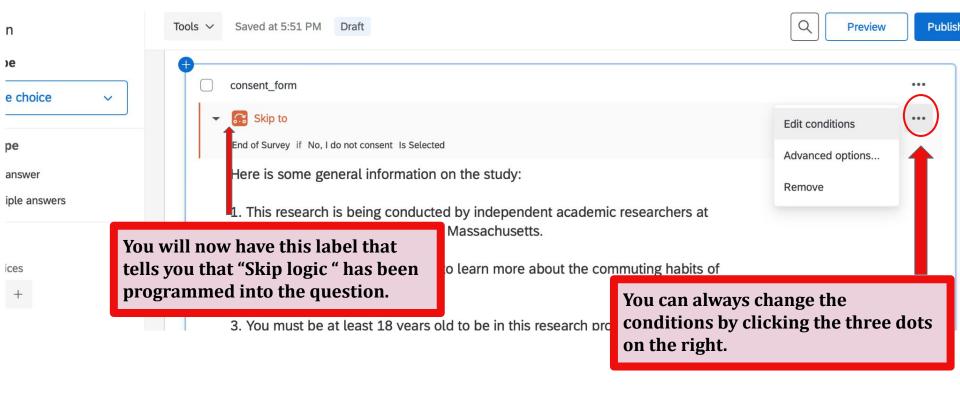
Let's explore them in Qualtrics.



Skip Logic

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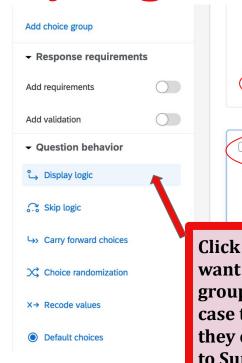


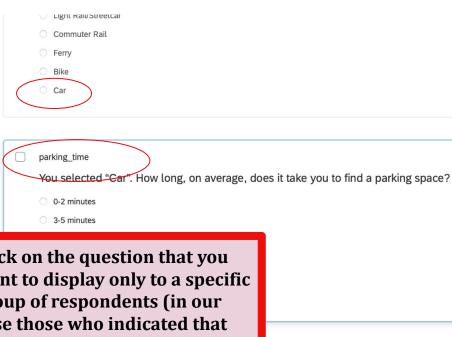




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Display Logic



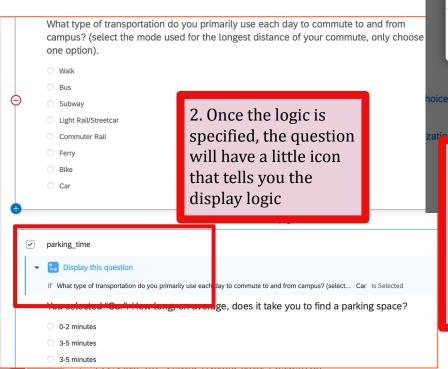


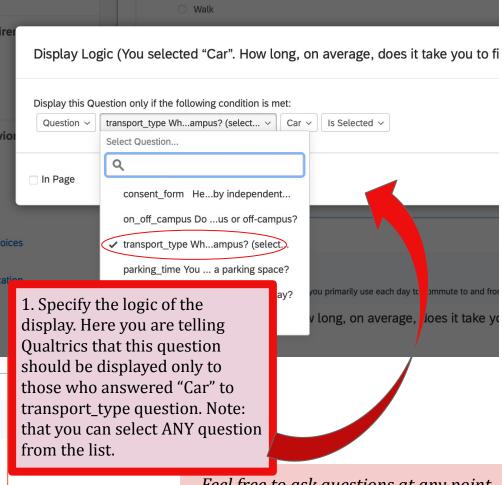
Click on the question that you want to display only to a specific group of respondents (in our case those who indicated that they commute by car). Then go to Survey Builder and scroll down (the way we did with Skip Logic)

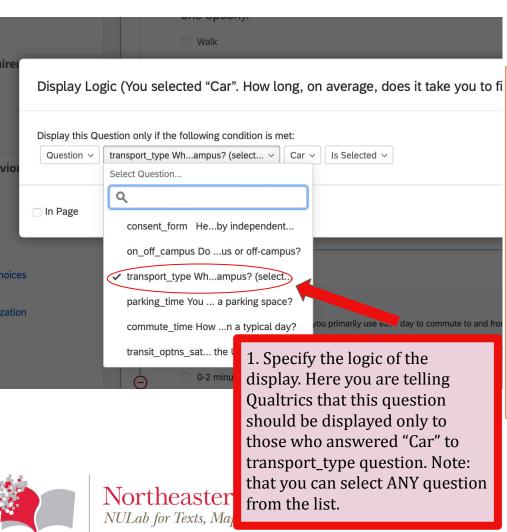


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Display Logic







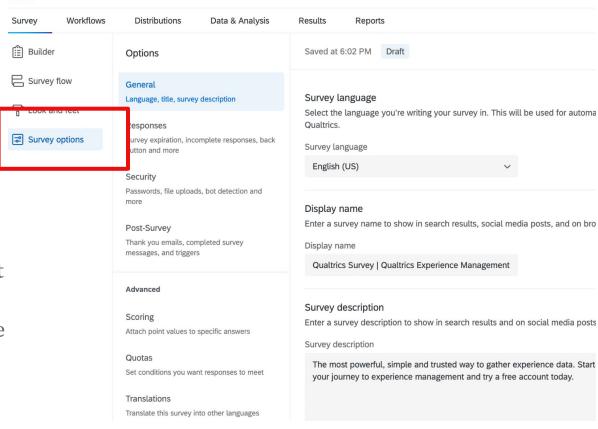
Display Logic

	What type of transportation do you primarily use each day to commute to and from campus? (select the mode used for the longest distance of your commute, only choose one option).	
	○ Walk	
	O Bus	
Θ	○ Subway	
	○ Light Rail/Streetcar	
	O Commuter Rail	
	○ Ferry	2. Once the logic is
	○ Bike	specified, the question
	○ Car	will have a little icon
		that tells you the
✓	parking_time	display logic
	Display this question	
ш	If What type of transportation do you primarily use each day to commute to and from campus? (select Car Is Selected	
	You selected "Car". How long, on average, does it take you to find a parking space?	
	O-2 minutes	
	3-5 minutes	
	3-5 minutes	

Survey Options

Commuting Habits of Northeastern Students V

- You are ready to run a survey!
- If you want to include advanced features, such as preventing multiple submissions ('ballot staffing'), you can find them in Survey Options. Note: the default options that are already pre-programmed in Qualtrics are sufficient for most surveys.

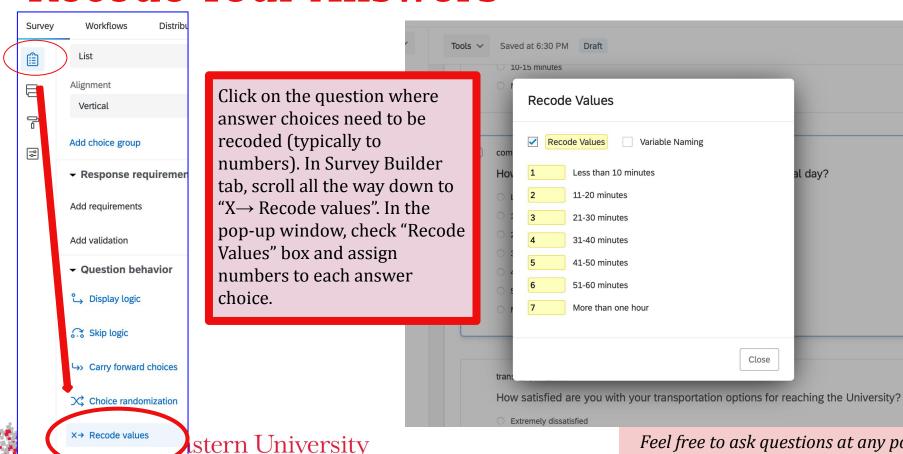




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Recode Your Answers

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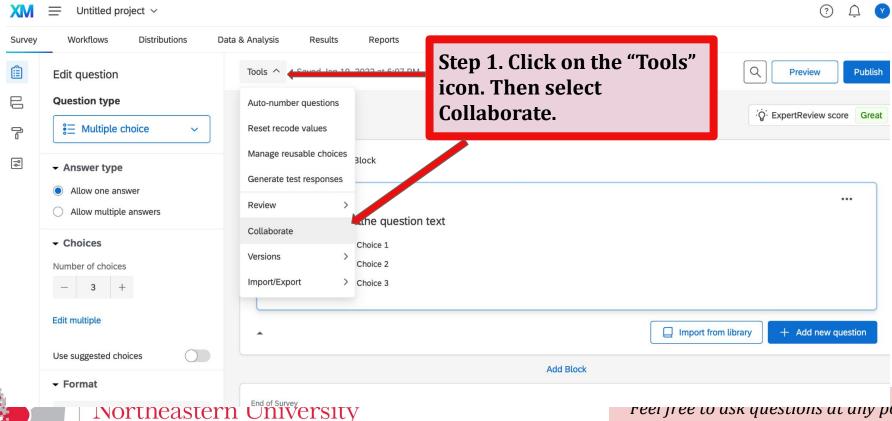


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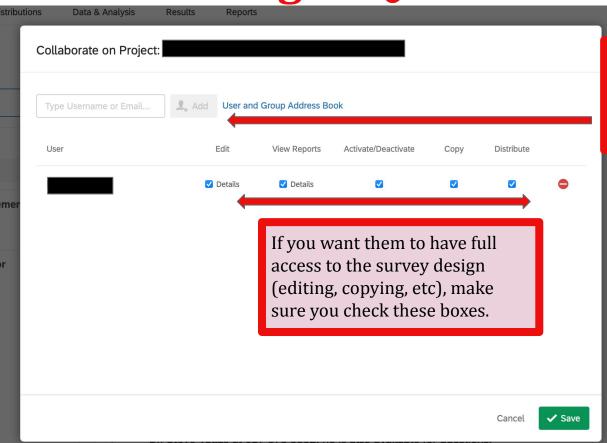
Collaborating in Qualtrics

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during the presentation!

Collaborating in Qualtrics



Step 2. Type the names of your project collaborators and click "Add".

Survey Distribution

 Once the survey is ready, there are multiple ways in which you can distribute it, including web-links and QR codes.



Go to Distributions and select the method you prefer.

How do you want to distribute your survey?







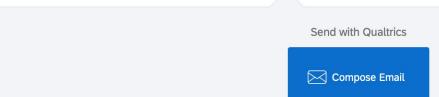
Social



Mobile



panel



Use your own email system

Get a single reusable link

Generate a trackable link for each contact

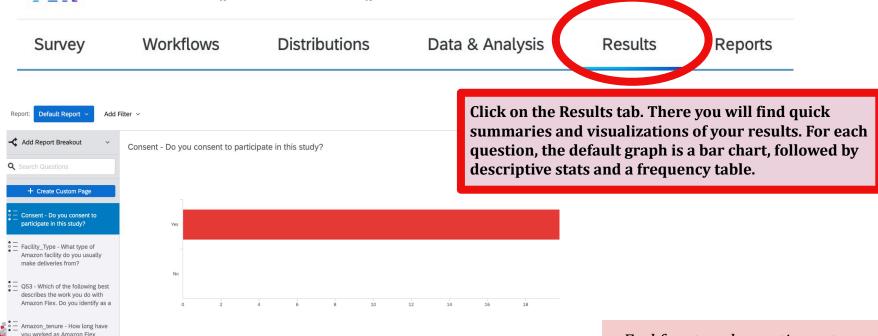
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Analyzing the Results

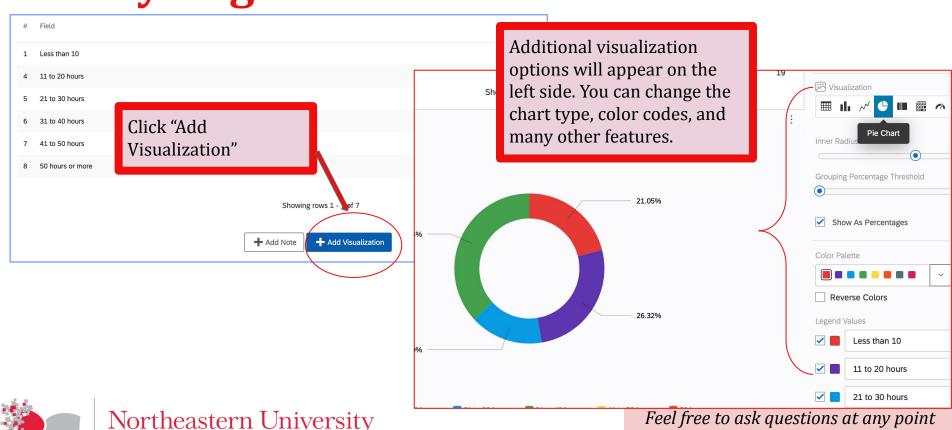
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 The Results tab shows you the basic statistics for each question in your survey.



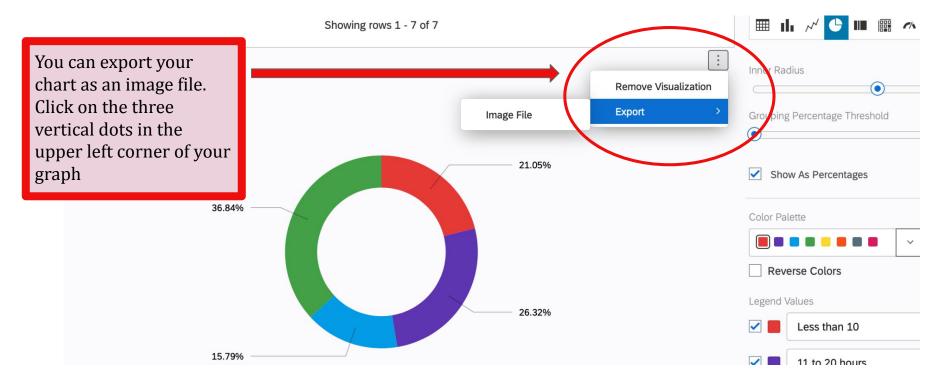
Analyzing the Results



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during the presentation!

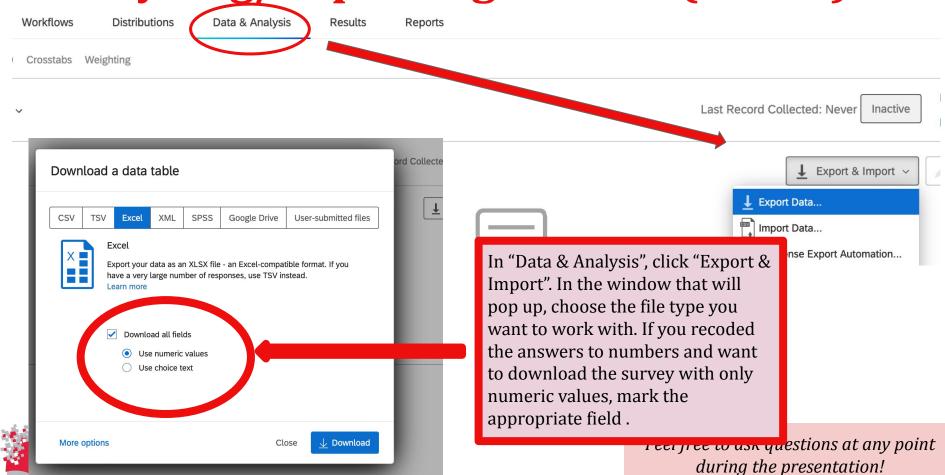
Analyzing/Exporting Results (Part 1)





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Analyzing/Exporting Results (Part 2)



Activity: Create Surveys

Break into your assigned groups and start creating your surveys! Think about what your group's overall goal is, what types of experiences you're interested in measuring and tracing, and how your questions can get at those experiences.

- **1. One** person create the Qualtrics survey and share it with everyone. Then, you can all collaborate on that form
- 2. Include at **least** 10 questions of all different types
- 3. Include another section to retrieve information for potential interviews



Thank you!

If you have any questions, contact us at: nulab.info@gmail.com

Slides, handouts, and data available at For access to these slides, visit

https://bit.ly/sp23-chung-jrnl5480-qualtrics

Developed by: Ana Abraham, Yana Mommadova and Vaishali Kushwaha

We'd love your feedback! Please fill out a short survey here:

https://bit.ly/diti-feedback

DITI Office Hours: https://calendly.com/diti-nu/



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