Using Mturk (And Online Survey Software) for Mass Communication Research

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Step 1: Create an Account as a **Requester**



Step 2: Click on the "Create" tab Step 3: Click on "Survey Link:

+	- go to MTurk.com		Create an Account	Already have an account? Sign In: Requester		
a	mazon mechanical turk	LQUESTER				
	Home Create	Manage Developer Help				
	New Project New Batch with an E	isting Project		Create HITs individually		
	Start a New Project					
	Categorization					
	Data Collection	Example of Survey Link				
	Moderation of an Image					
	Sentiment	Answer a snort survey				
	Survey	We are conducting an academic survey about social networks. We need to understand your opinion about social networks.				
	<u>Survey Link</u>	Select the link below to complete the survey. At the end receive credit for taking our survey.	nd of the survey, you will receive a code to paste into the box below to			
	Tagging of an Image	· ·				
	Transcription from A/V	Survey link: http://www.linktomysurvey.com	l			
	Transcription from an Image	Provide the survey code here:				
	Writing					
	Other					
		Template Note: In order to verify that the Worker comple usually provided at the end of the survey from the survey Worker ID in the survey on the external site to verify the	tes your survey, you may website you use. You ca Worker completed the su	y require the Worker to enter the code in also ask the Worker to provide their irvey.		

You must ACCEPT the HIT before you can submit the results.

Step 4: Set up your HIT (Human Intelligence Task)

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »



This is where you decide how much to pay. I have found luck with \$0.50 for questionnaires lasting up to 30 minutes, but have paid up to \$1.10 for more extensive experiments.

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours + Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days : Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours ÷ After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »



This is where you decide how many participants you want.

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete the second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours + Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days + Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours + After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »



This is where you set how long participants have to work on your hit. Give them more than enough time, but not hours and hours. I usually stick to one hour for a 30-minute experiment.

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »



This is where you set how many days your HIT will be posted on MTurk. It's easier to give yourself a few extra days than to post a whole new batch, so I suggest giving at least a week for a 30-minute questionnaire, more if a longer study.

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours Maximum time a Worker has to work on a single task. Be generous and the second secon	
HIT expires in	7 Days : Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »



Personally, I don't have time to approve every single HIT, and I've found most users take the whole questionnaire and rarely leave even one question blank. So, I usually set this to automatically approve HITS in 24 hours. You can approve them one-by-one if you want (see Mturk page for more info).

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours + Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days Maximum time your HIT will be available and a sectionical Turk.	
Results are automatically approved in	8 Hours After this time, all unreviewed work is approved and Workers are paid.	
		Advanced »

When you are done setting up this part of your HIT, be sure to click "Advanced" before moving on

Setting up your HIT	
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?
Time allotted per assignment	1 Hours Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.
HIT expires in	7 Days Maximum time your HIT will be available to Workers on Mechanical Turk.
Results are automatically approved in	8 Hours ÷ After this time, all unreviewed work is approved and Workers are paid. Advanced »



Now, click on "Worker requirements"

Setting up your HIT		
Reward per assignment	\$ 0.05 Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.	
Number of assignments per HIT	20 How many unique Workers do you want to work on each HIT?	
Time allotted per assignment	1 Hours : Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.	
HIT expires in	7 Days : Maximum time your HIT will be available to Workers on Mechanical Turk.	
Results are automatically approved in	8 Hours After this time, all unreviewed work is approved and Workers are paid.	
		Advanced «
Advanced		
For the best quality, Master Workers are currently selected to complete your work. (What is a Master Worker?) Worker requirements »		
Only Workers who qualify to do my HITs can preview my HITs.		

You don't want Masters. So instead, click the dropdown box and select "Customize Worker Requirements." There, you can remove the Masters requirement and make your own stipulations.



Change the Masters requirement to a "Location" requirement. Make it "is" and "UNITED STATES."

Advanced	
	Worker requirements «
Worker requirements: Customize Worker Requirements	÷
Specify ALL the qualifications Workers must meet to work on your HITs:	UNITED STATES
HIT Approval Rate (%) for all Requesters' HITs + greater	than or equal to + 90 + remove
Number of HITs Approved	than or equal to \$ 50 \$ remove
(+) Add another criterion (up to 5)	
Only Workers who qualify to do my HITs can preview my HITs. Ves No	



I usually set HIT Approval Rate to 90%, it's still high but a little less restrictive (which helps you get participants more easily)

Advanced		
		Worker requirements «
Worker requirements: Customize Worker Requirements	*	
Specify ALL the qualifications Workers must meet to work on	your HITs:	= remove
HIT Approval Rate (%) for all Requesters' HITs +	greater than or equal to \Rightarrow 90 \Rightarrow remove	
Number of HITs Approved \$	greater than or equal to \$ 50 \$ remove	
(+) Add another criterion (up to 5)		
Only Workers who qualify to do my HITs can preview my HITs. Yes No		



I usually set Number of HITs Approved to 50. That way you don't get first-timers, but you also don't get as many people who take surveys for a living. I've found it a good balance point.

Advanced		
		Worker requirements «
Worker requirements:		
Customize Worker Requirements	\$	
Specify ALL the qualifications Workers must meet to work on y	our HITs:	
Location ‡	(is +) UNITED STATES	remove
HIT Approval Rate (%) for all Requesters' HITs 🛛 💠	greater than or equal to \$ 90 \$ remove	
Number of HITs Approved \$	greater than or equal to \$ 50 \$ remove	
(+) Add another criterion (up to 5)		
Only Workers who qualify to do my HITs can preview my HITs. Yes No		



Just click "OK" here. Master Workers are more important for very mechanical or complex tasks, not for social science research.

After this time, all unreviewed w	ork is approved and Workers are paid.	
You have chosen NOT to use I Workers have demonstrated an continue?	Master Workers. We strongly encoder couracy in performing a wide range	courage you to use Masters as these ge of HITs. Are you sure you want to
		Cancel OK Work
ents:		
/orker Requirements	\$	
qualifications Workers must meet to work on	your HITs:	
una da ban anten de la na de ban anten de la cara de la composition de la composition de la composition de la c	is : UNITED STATES	: remove
Rate (%) for all Requesters' HITs	greater than or equal to \$	90 ¢ remove
ITs Approved :	greater than or equal to \$	50 ¢ remove

This is where you edit the content of the project description. I usually give a general Project Name, like "Reactions to News Stories."

Edit Project

① Enter Properties ② Design Layout	③ Preview and Finish					
Project Name: Survey Link 2	This name is not displayed to Workers.					
Frame Height 400 Height in pixels of the frame y	your HIT will be a Set Workers. Adjust the height appropriately to minimize scrolling for Workers.					
Format · Font · U I B A	Ix E = = = Source					
Answer a short survey						
We are conducting an academic survey about social networks. We need to understand your opinion about social networks. Select the link below to complete the survey. At the end of the survey, you will receive a code to paste into the box below to receive credit for taking our survey.						
Survey link: http://www.linktomysurvey.com						
Provide the survey code here:						
	4					

This is where give a brief description of what participants will have to do in your study. Tell them if it's reading or video-based, and about how long it will take. This is also where you insert the link to your Qualtrics or Survey Monkey questionnaire.

Edit Project

① Enter Properties ② Design Layout	③ Preview and Finish							
Project Name: Survey Link 2	This name is not displayed to Workers.							
Frame Height 400 Height in pixels of the frame	Frame Height Height in pixels of the frame your HIT will be displayed in to Workers. Adjust the height appropriately to minimize scrolling for Workers.							
Format	: Ix E = = = := := > . O Source							
Answer a short survey								
We are conducting an academic survey about socia of the survey, you will receive a code to paste into t	We are conducting an academic survey about social networks. We need to understand your opinion about social networks. Select the link below to complete the survey. At the end of the survey, you will receive a code to paste into the box below to receive credit for taking our survey.							
Survey link: http://www.linktomysurvey.com								
Provide the survey code here:								
	4							

Notice the text about having to provide a code. Be sure to put in the last page of your survey a place for Mturk users to 1.) enter their Mturk ID nubmer; and 2.) Give them some number they need to enter back into this window when they are done. That's how you know they actually took your questionnaire.

Edit Project

① Enter Properties ② D	esign Layout ③ Preview and Finis	nish					
Project Name: Survey Link 2	This name i	ne is not displayed to Workers.					
Frame Height Height in pixels of the frame your HIT will be displayed in to Workers. Adjust the height appropriately to minimize scrolling for Workers.							
Format - Font -	<u>U</u> I B <u>A</u> · I _x ≡ ≡ ≡						
Answer a short survey							
We are conducting an academic survey about social networks. We need to understand your opinion about social networks. Select the link below to complete the survey. At the end of the survey, you will receive a code to paste into the box below to receive credit for taking our survey.							
Survey link: http://www.linktomysurvey.com							
Provide the survey code here:							

Side note: I always, without fail, get emails from Mturk participants telling me they accidentally entered their Mturk number on this page instead of the survey code. At that point I go into Qualtrics to double-check they're telling the truth, then I tell them to wait 24 hours and they will be approved despite their mistake.

Edit Project

① Enter Properties	O Design Layout	③ Preview and Finish					
Project Name: Survey	r Link 2	This name is not	displayed to Workers.				
Frame Height Height in pixels of the frame your HIT will be displayed in to Workers. Adjust the height appropriately to minimize scrolling for Workers.							
Format · Font	· <u>U</u> I B <u>A</u>):::: * *	Source			
Answer a short surve	y						
We are conducting an academic survey about social networks. We need to understand your opinion about social networks. Select the link below to complete the survey. At the end of the survey, you will receive a code to paste into the box below to receive credit for taking our survey.							
Survey link: http://www.linktomysurvey.com							
Provide the survey code here:							
						4	

Mturk will then show you a preview of what potential participants will see. If you are okay with it, click "Finish." If you see something you need to change, click on the "Design Layout" tab to fix it.

This is how your HIT will look to Mechanical Turk W	Vorkers.
① Enter Properties ② Design Layout	3 Preview and Finish
Project Namer nk 2	This name is not displayed to Workers.
a survey about your opinions	Record At All and UT
dester: Jessica Gall Myrick	Reward: \$0.05 per HIT HITs available: 0 Duration: 1 Hours
Cualifications Required. Cocation is 03 ; him Approval Rat	te (/s) for an requesters this greater than or equal to so , reinber of this Approved greater than or equal to so
Answer a short survey	
We are conducting an academic survey about social	I networks. We need to understand your opinion about social networks. Select the link below to complete the survey. At the end of the survey.
you will receive a code to paste into the box below t	to receive credit for taking our survey.
Survey link: http://www.linktomysurvey.	<u>com</u>
Provide the survey code here:	
Template Note: In order to verify that the Worker co You can also ask the Worker to provide their Worker	ompletes your survey, you may require the Worker to enter the code usually provided at the end of the survey from the survey website you use.
	. Le mine sui rey su un channa sui le renty une restant compared une sui rey.
Cubarte	
Submit	
Submit	

Step 7: New Batch

At this point, you've only set up your HIT, but you haven't launched it. You need to go to the Create tab and click on "New Batch."



Step 7: New Batch

You'll see another preview. If it still looks good, click "Next."

review HITs	🕦 Select HIT Template 💿 Upload Input Data 🤨 Preview 🚳 Confirm and	d Publish
is is how your HIT will look to Workers. Make sure that any variable	les in the HIT are correctly replaced by your input data, then click "Next".	
Survey Link 2		
Answer a survey about your opinions		
equester: Jessica Gall Myrick	Reward: \$0.05 per HIT HITs available: 1 Duration: 1 Hours	
ualifications Required: Location is UNITED STATES,		
T Approval Rate (%) for all Requesters' HITs greater than or equal to 90,		
imber of HITs Approved greater than or equal to 50		
	HIT Preview	
[
Answer a short survey		
We are conducting an academic survey about social networks. We need to un will receive a code to paste into the box below to receive credit for taking ou	anderstand your opinion about social networks. Select the link below to complete the survey. At the end of the survey, you our survey.	
Survey link: http://www.linktomysurvey.com		
Provide the survey code here:		
Template Note: In order to verify that the Worker completes your survey, yo can also ask the Worker to provide their Worker ID in the survey on the exte	ou may require the Worker to enter the code usually provided at the end of the survey from the survey website you use. Yo ternal site to verify the Worker completed the survey.	a
		_
Submit		
	Showing HIT 1 of 1	

Cancel Next

Step 7: New Batch

Now you'll see the details and the costs to you. Mturk charges a fee, so make sure you have enough in your prepaid HITs account to include the fee as well as participant expenses. If you do, then you can go ahead and publish your HITs!

Batch Summary							
Batch Name: Survey Link 2 1	Description: Give us your opinion about our products						
Batch Properties							
Title:	Answer a survey about your opinions						
Description:	Give us your opinion about our products						
Batch expires in:	7 Days						
Results are automatically approved after:	8 Hours						
Workers must meet the following Qualifications to work on these HITs:	Location score is UNITED STATES						
	HIT Approval Rate (%) for all Requesters' HITs score greater than or equal to 90						
	Number of HITs Approved score greater than or equal to 50						
HITs							
Number of HITs in this batch:	1						
Number of assignments per HIT:	x 20						
Total number of assignments in this batch:	20						
Cost							
Reward per Assignment:	\$0.050						
	x 20 (total number of assignments in this batch)						
Estimated Total Reward:	\$1.000						
Estimated Fees to Mechanical Turk:	+ \$0.100 (fees paid to Mechanical Turk) (fee details)						
Estimated Total Cost:	\$1.100 (this is the amount that will be deducted from your Available Balance when you click "Publish HITs")						
Your Available Balance:	\$5.323 (before clicking "Publish HITs")						
Your Projected Balance:	\$4.223 (after clicking "Publish HITs")						

Back Publish HITs

Step 8: Add Money to Your Account

Oh wait, if you're like me, you probably didn't have enough money in your Amazon account to cover everything. But it's super easy to add money. At the top of the screen, at any point in this process, click on "Account Settings" to add money to your account. I often wait until the end so I know exactly how much the fee is and don't put in too much money.



Step 8: Add Money to Your Account

Click on "Prepay for Mechanical Turk HITs"

- go to MTurk.com				J	essica Gall Myrick Account Settings Sign Out Hel
mazonmec	hanical tur	REQUES	TER		
Home	Create	Manage	Developer	Help	
		Account Se	ettings - Jessica Ga	II Myrick (If you're not Jessica Gall Myrick	k, click here.)
Personal Settin	gs				
 Change your r 	name, e-mail ad	dress, or password	t		
 Forgot your part 	assword?				
 Edit your conta 	act address info	ormation			
Your Balance					
Prepay for Me	chanical Turk H	IITs		PREPAID BALANCE	
Manage Your	Amazon Payme	ents Account		Balance:	\$5.323
 View Transact 	ion History			Funds held for liability: (What's th	his?) \$0.00
				Available Balance:	\$5.323

Step 9: Publish HITs (if you haven't already)

• There you have it! Now you are up and rolling. Click on the "Manage" tab (next to the "Create" tab) if you want to check up on how many workers have completed your HIT.

	o to MTurk.c					Jessica Gall Myrick Account Settings Sign Out He			
an	amazonmechanical turk REQUESTER								
	Home	Create	Manage	Developer	Help				
ļ	Results	Workers Qua	lification Types					Manage HITs individually	
	Manage Batches Click on the name of the batch to see more details ■ Batches in progress (0) ■ Batches ready for review (22) « Previous 1 2 3 Next »								
		<u>V 2</u>					Results	Delete	
	Created:		February 10,	2014	Assignments Com	pleted:	200 / 200		
	Time Elapse	d:	7 days		Estimated Comple	tion Time:	COMPLETE		
	Average Tim	ne per Assignment:	13 minutes 3	2 seconds	Effective Hourly R	ate:	\$2.217		
	Batch Progr	ess:	100% sul	mitted	100% published				

Other Thoughts

- These steps are what have worked for me, you might need to alter them for your specific project. I do mostly quantitative, between-subjects or mixed-design experiments using Qualtrics. If you do something else, you might have to tweak the procedures.
- You will get a more diverse pool as far as race, ethnicity, and age go than you will using students. BUT, you will get a fairly well-educated pool, and often more men than women (another difference from using students). Think about your topic and how those sample characteristics might impact your outcomes.

Other Thoughts

- Really familiarize yourself with the Mturk interface before publishing your first HIT. I suggest participating as a worker in three or four studies before doing your own. That way you can get a feel for what works and what doesn't.
- Your knowledge of your online questionnaire software is also crucial. For instance, if you are using Qualtrics for an experiment with video stimuli, you might want to include some open-ended questions to be sure to capture if there is some sort of glitch in the video player (as well as richer qualitative responses to your stimuli). That way, you can go in and see if someone didn't get to watch the video but filled out the rest of the questions anyway, and you can drop that participant from your analysis.

More Thoughts

- Keep in mind that many conference and journal reviewers are not familiar with Mturk. So, when writing your paper, be thorough in describing your methods and your sample characteristics. Include as many demographic questions as you can in your questionnaire so that you can show reviewers what your sample looks like. I often include current state of residence and education level in my questionnaire, in addition to other typical demographics.
- Also, be sure to cite the growing number of studies that show Mturk to be a valid source of research participants (you can easily find these studies through a quick Google Scholar search)

Final Thoughts

- Mturk can be a fast, cheap, and effective way to get a diverse sample for social science research.
- Always be sure to double-check all your settings in Mturk and Qualtrics/Survey Monkey before publishing a HIT.
- If you have questions, shoot me an email and I will try to assist. But, I'm a self-taught user, by no means an expert. I've found Google searches are also good places to find answers for Mturk issues.

Final Thoughts

• Have fun, and happy researching!

