Crowdsourcing platforms: Mechanical Turk and CrowdFlower

Requester (AKA You!)

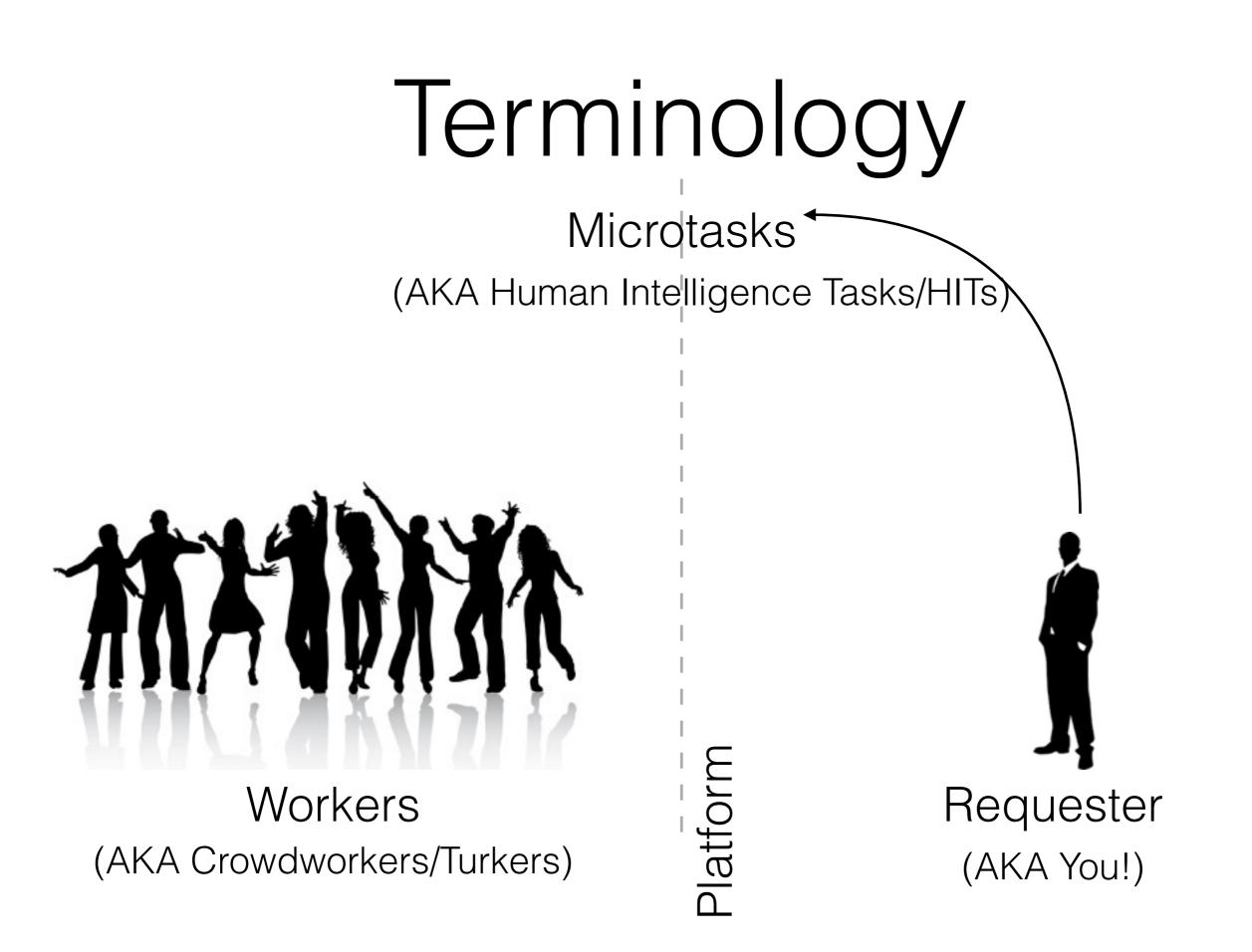


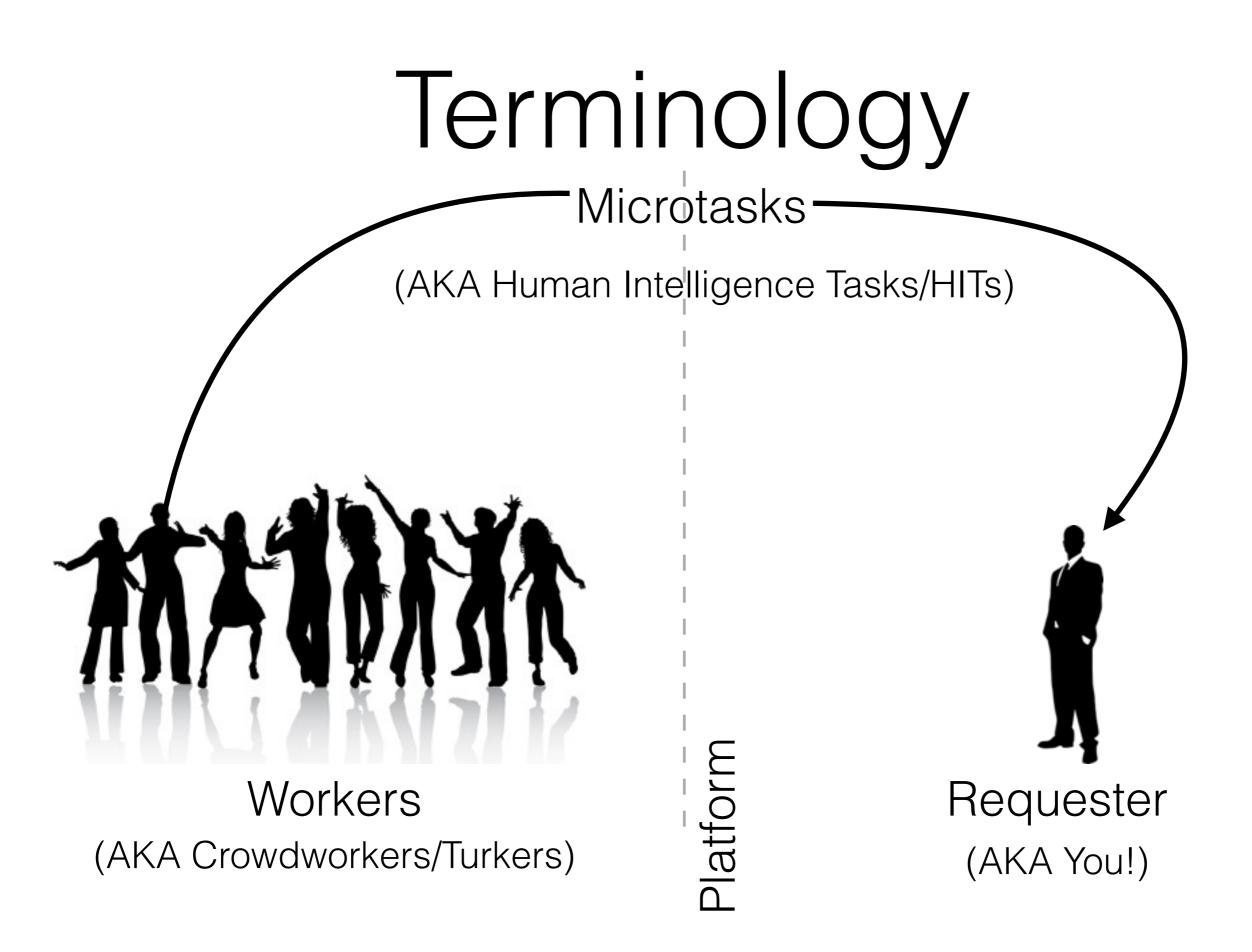
Workers (AKA Crowdworkers/Turkers) Requester (AKA You!)

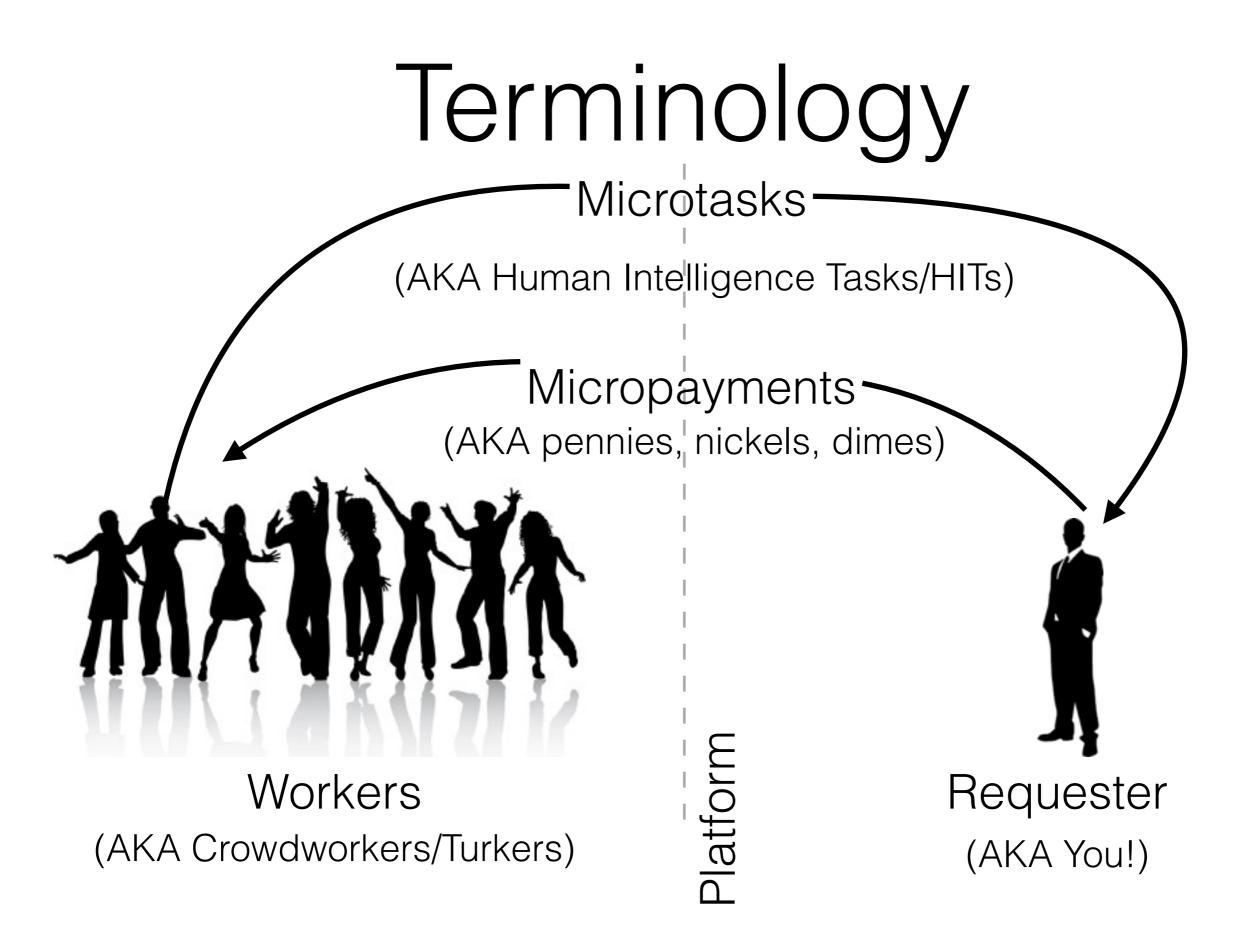


Workers (AKA Crowdworkers/Turkers) Platform





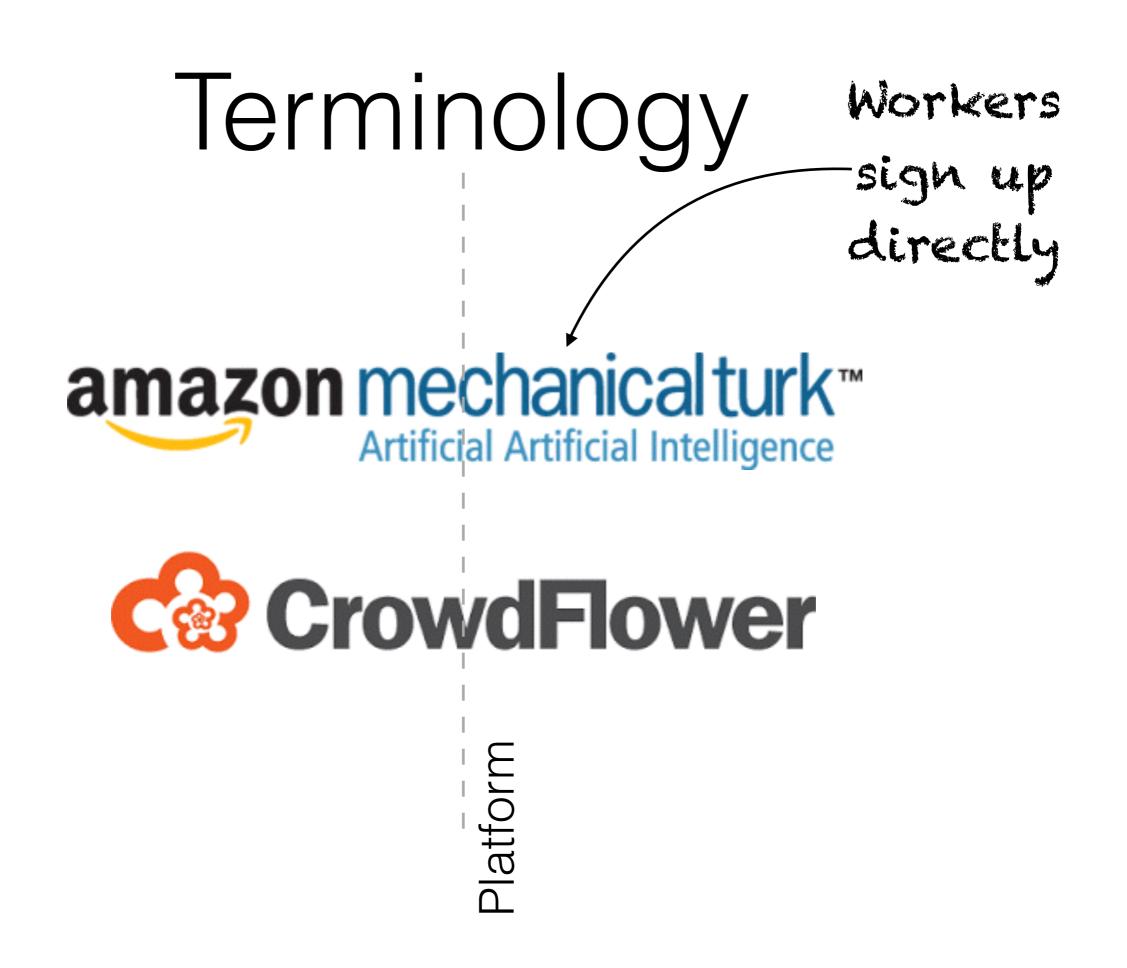


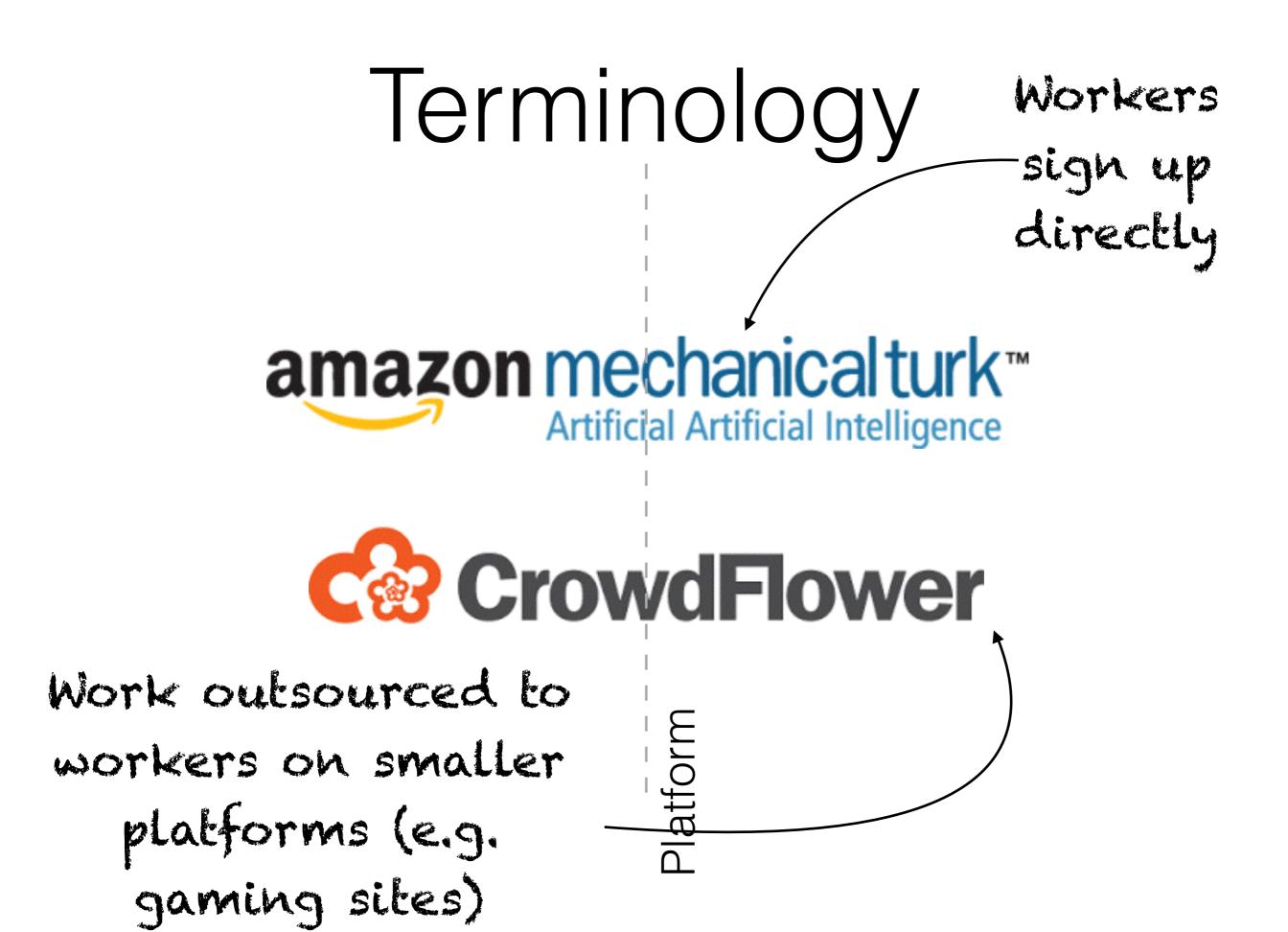


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Jatform





How big is the market?



Study from January 2009 - April 2010:

- 6,701,406 HITs total
- 165,368 HIT groups
- 9,436 requesters
- \$529,259 worth of rewards

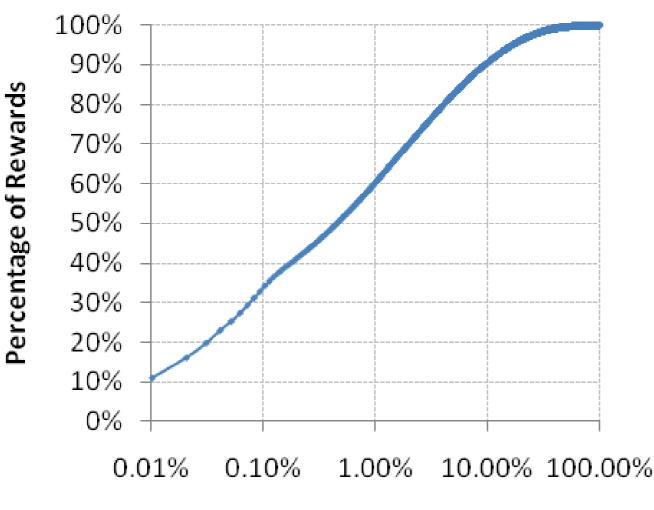
How big is the market?

Zoom: 1d 5d 1m 3m 6m 1y Max September 03, 2014 Rewards(\$) 44.97 k 300 k Volume of rewards over past 5 years 280 k 260 k 240 k 220 k 200 k 180 k 160 k 140 k 120 k 100 k 2014 2009 2010 2011 2012

<u> http://www.mturk-tracker.com</u>

How big is the market?

Q-Q Plot: % of rewards vs % of requesters



 1% of requesters account for 60% of rewards

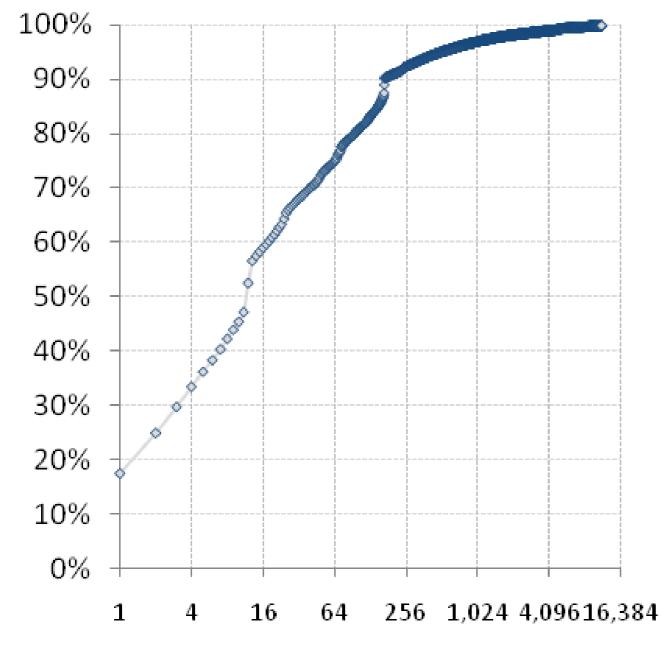
Percent of requesters

Analyzing the MTurk Marketplace. Ipeirotis (2012)



How big is the market? amazon mechanical turk

CDF of completion times for HIT Groups



- 1% of requesters account for 60% of rewards
- 90% of HITs and 50% of HIT groups pay less than \$0.10
- 60% of HIT groups are completed in less than 16 hours

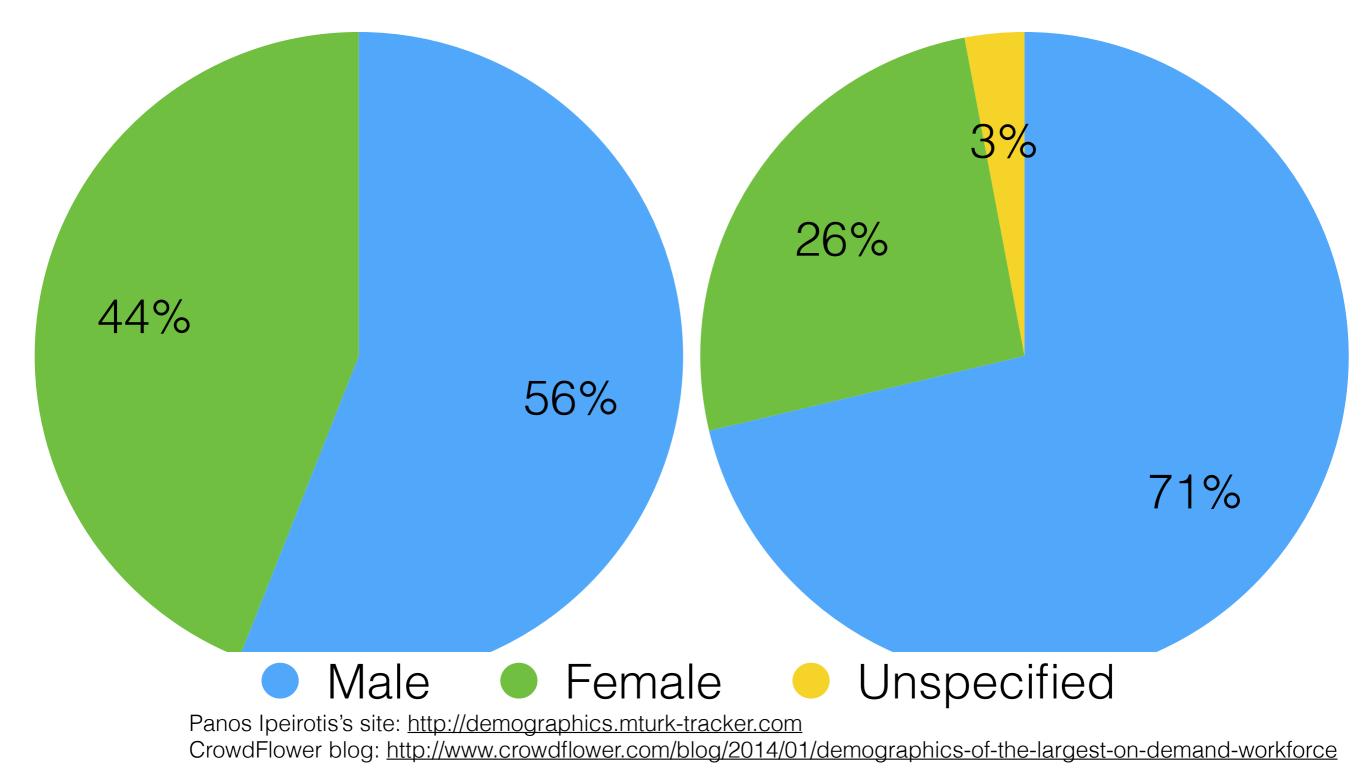
Completion time for HITgroup (in hours) Analyzing the MTurk Marketplace. Ipeirotis (2012)

How big is the market? **amazon mechanical turk** Top requesters as of May 2015

\$ hits	\$	reward	•
38955		\$231,542.51	
45954		\$42,361.04	
54573		\$40,492.72	
369396		\$27,458.61	
146549		\$19,955.85	
118801		\$16,847.04	
348387		\$15,679.60	
176527		\$10,491.84	
121958		\$9,329.98	
116471		\$7,944.52	
	38955 45954 54573 369396 146549 118801 348387 176527 121958	38955 45954 54573 369396 146549 118801 348387 176527 121958	38955 \$231,542.51 45954 \$42,361.04 54573 \$40,492.72 369396 \$27,458.61 146549 \$19,955.85 118801 \$16,847.04 348387 \$15,679.60 176527 \$10,491.84 121958 \$9,329.98

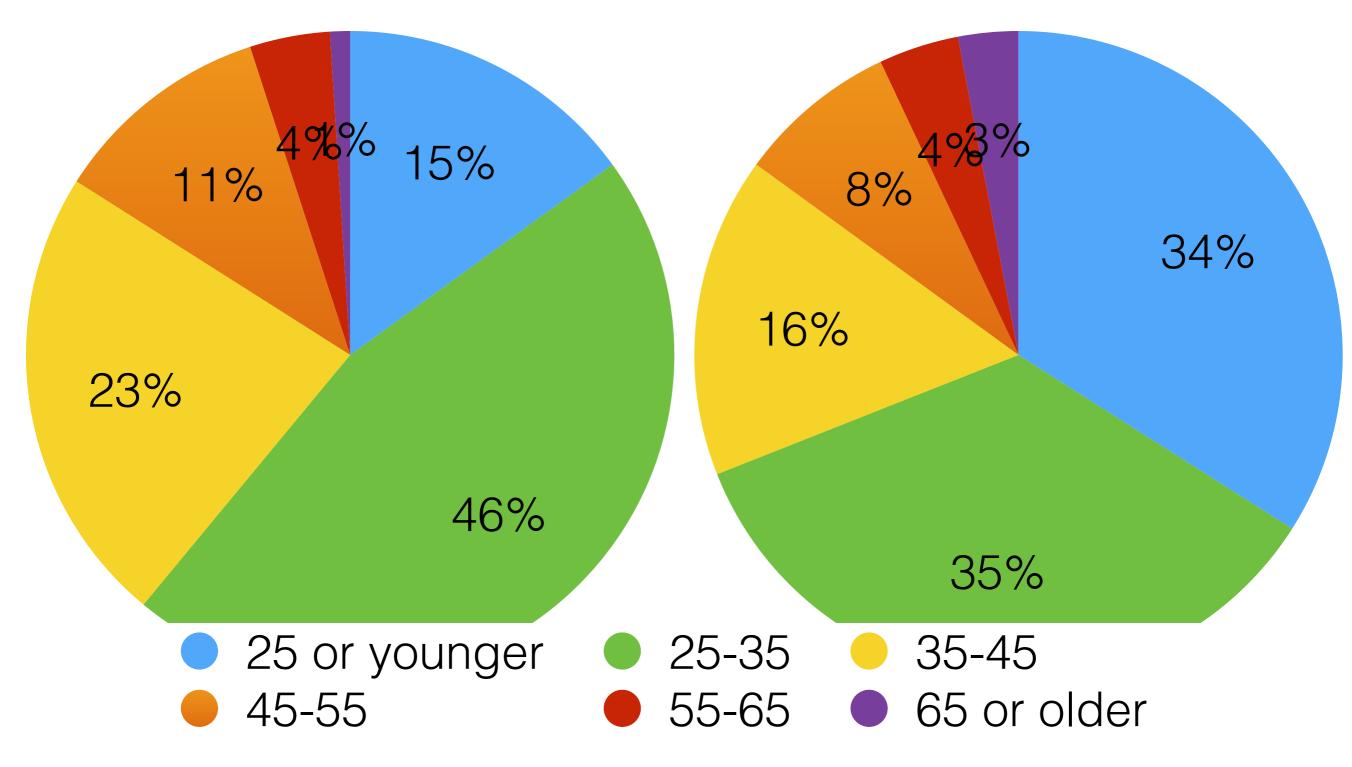
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Mechanical Turk

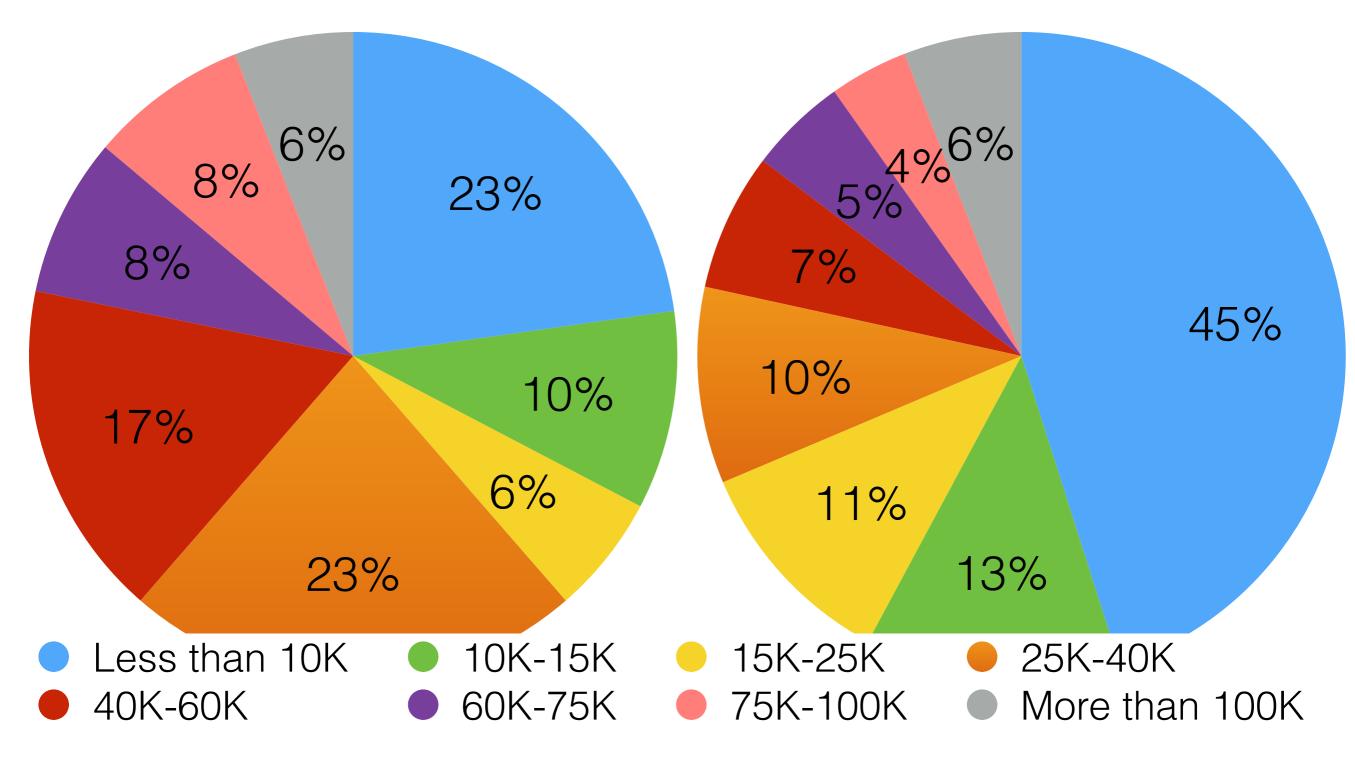


Who is doing all this work for us? Mechanical Turk CrowdFlower 6% 18% 19% 48% 12% 6% 75% 4% 4%A% US India Indonesia UK Canada Philippines Pakistan Others

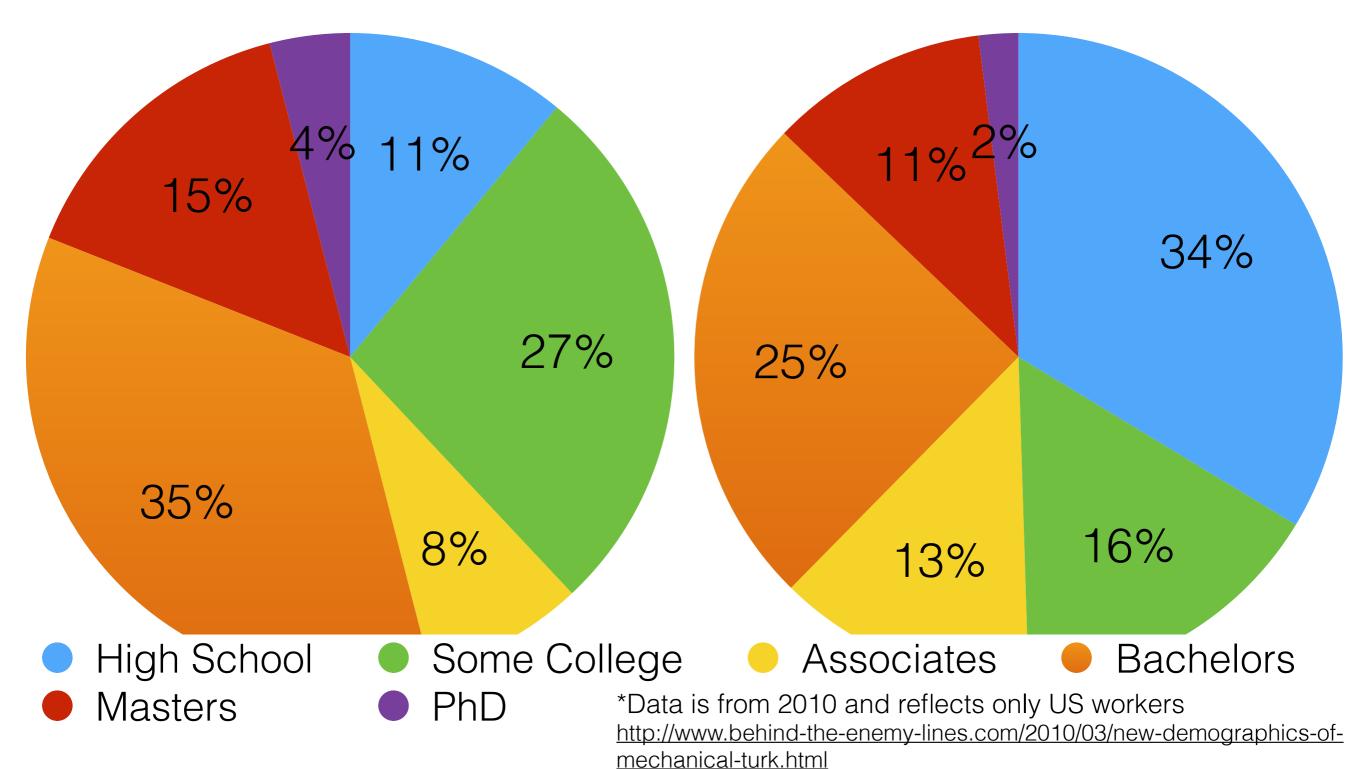
Mechanical Turk



Mechanical Turk



Mechanical Turk*



Why are they doing all this work for us?

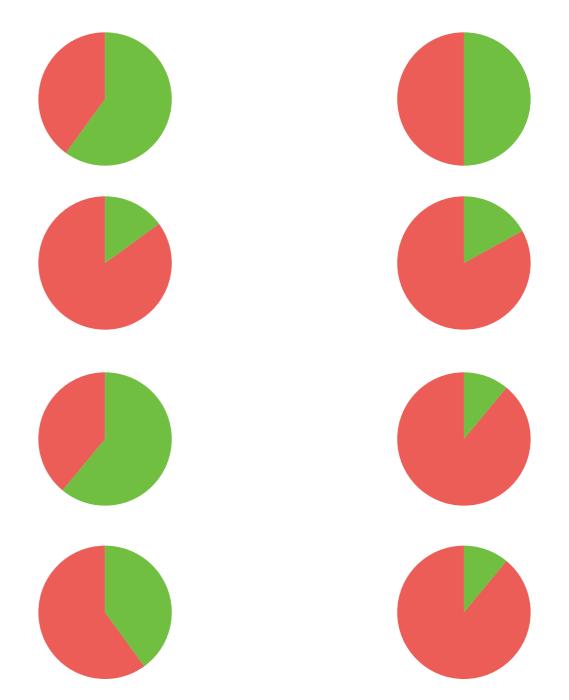
Mechanical Turk* CrowdFlower

Good way to spend free time and earn money (e.g. instead of TV)

As a primary source of income

As a secondary source of income/ pocket change

It is just so much fun!!



*Data is from 2010 and reflects only US workers

Mostly US workers

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- Better international coverage
- More flexibility with designing HITs, e.g. with Javascript
- HIT designs are mostly plugand-play for requesters

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CrowdFlower

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 - Prices can be hard to predict
 - Limited to tasks that can be QCed this way