

Gig Work and the Platform Economy

Crowdsourcing and Human Computation

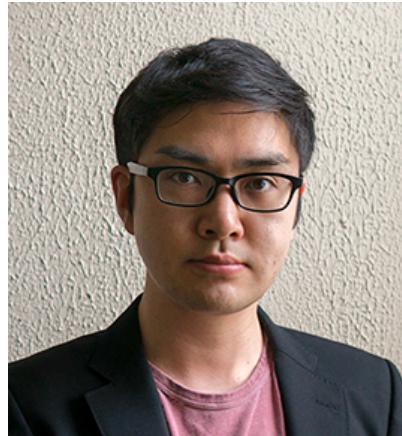
Instructor: Chris Callison-Burch

Website: crowdsourcing-class.org

Discussion of HW1

A Data-Driven Analysis of Workers' Earnings on Amazon Mechanical Turk

CHI-2018



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Abigail Adams



Kristy Milland



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ABSTRACT

A growing number of people are working as part of on-line crowd work. Crowd work is often thought to be low wage work. However, we know little about the wage distribution in practice and what causes low/high earnings in this setting. We recorded 2,676 workers performing 3.8 million tasks on Amazon Mechanical Turk. Our task-level analysis revealed that workers earned a median hourly wage of only ~\$2/h, and only 4% earned more than \$7.25/h. While the average requester pays more than \$11/h, lower-paying requesters post much more work. Our wage calculations are influenced by how unpaid work is accounted for, *e.g.*, time spent searching for tasks, working on tasks that are rejected, and working on tasks that are ultimately not submitted. We further explore the characteristics of tasks and working patterns that yield higher hourly wages. Our analysis informs platform design and worker tools to create a more positive future for crowd work.

A Data-Driven Analysis of Workers' Earnings on Amazon Mechanical Turk

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Carnegie
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University



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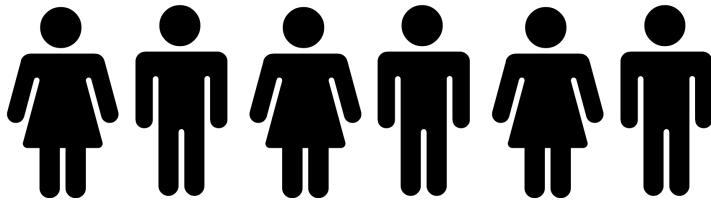
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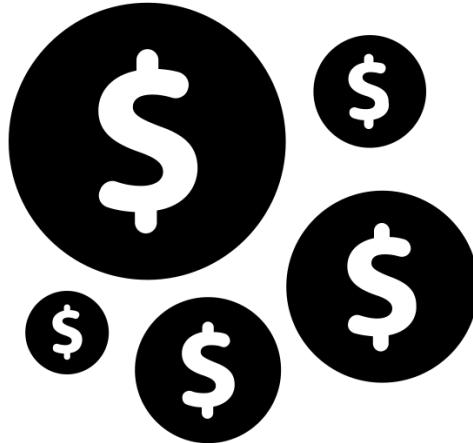
600k

online workers and counting



Online outsourcing
industry generated

\$2 b





Are workers treated fairly? How does this new work style affect their lives?



Incom
econo
from

Janine

Being A

David Martin, Benjamin V. Hanrahan, Jacki C

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ABSTRACT

We conducted an ethnomet hodological analysis of publicly available content on Turker Nation, a general forum for Amazon Mechanical Turk (AMT) users. Using forum data we provide novel depth and detail on how the Turker Nation members operate as economic actors, working on which Requesters and jobs are worthwhile to them. We show some of the key ways Turker Nation functions as community and also look further into Turker-Requester relationships from the Turker perspective – considering practical, emotional and moral aspects. Finally, following Star and Strauss [25] we analyse Turking as a form invisible work. We do this to illustrate practical and ethical issues relating to working with Turkers and AMT, and promote design directions to support Turkers and their relationships with Requesters.

Author Keywords

Ethnomet hodology; content analysis; crowdsourcing; microtasking; Amazon Mechanical Turk; Turker Nation

ACM Classification Keywords

H.5.3 Group and Organizational Interfaces – Computer Supported Cooperative Work

General Terms

Human Factors

INTRODUCTION

The concept of crowdsourcing was originally described by Jeff Howe of Wired Magazine as “the act of a company or institution taking a function once performed by its own employees and outsourcing it to an undefined (and generally large) pool of people in the form of an open call.” The ‘undefined network of people’ is the key to the article. We present the findings of an ethnomet hodological analysis of posts and threads on a crowdsourcing platform called Turker Nation¹. We have sought to understand the crowd – their reasoning, concerns, and relationships with requesters and with each other – as they are shown in their posts on the forum. We present them as faithfully as possible, in their original language.

ABSTRACT

The internet is empowering the rise and other forms of on-demand learning body of scholarship has attention shifted to the technical outcomes of this shift, e.g., 1) What are the complications?, 2) How far can work be distributed?, 3) What will work like for workers? In this paper, we argue that the wider economic and cultural imaginations of design as a social role. The paper illustrates the argument through the case of Turkopticon, originally an activist tool for workers in Amazon Mechanical Turk (AMT), built by the authors and maintained since 2009. The paper analyzes public depictions of Turkopticon which cast designers as creative innovators and AMT workers as without agency or capacity to change their situation. We argue that designers' elevated status as workers in knowledge economies can have practical consequences for the politics of their design work. We explain the consequences of this status for Turkopticon, and how we adapted our approach in response over the long term. We argue for analyses of power in design work that might differentiate itself. This grounding that can help address questions in crowd work, and that learn from history rather than repeating past mistakes.

ACM Classification Keywords

H.5.3. Information Interface Design; Group and Organization Interfaces

Author Keywords

Crowd work; gig work; on-

INTRODUCTION

The past decade has seen mediated labor. A fram ing components enables corporations to workers at scale [68], workers engage in work with little to no awareness and often with fleeting

For years, such labor was annotated and submitted to workers.

Permission to make digital or

classroom

Examining Cro His

Ali A

{ali.ali}

Stories We Tell About Labor: Turkopticon and the Trouble with “Design”

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ABSTRACT

This paper argues that designers committed to advancing justice and other non-market values must attend not only to the design of objects, processes, and situations, but also to the wider economic and cultural imaginations of design as a social role. The paper illustrates the argument through the case of Turkopticon, originally an activist tool for workers in Amazon Mechanical Turk (AMT), built by the authors and maintained since 2009. The paper analyzes public depictions of Turkopticon which cast designers as creative innovators and AMT workers as without agency or capacity to change their situation. We argue that designers' elevated status as workers in knowledge economies can have practical consequences for the politics of their design work. We explain the consequences of this status for Turkopticon, and how we adapted our approach in response over the long term. We argue for analyses of power in design work that might differentiate itself. This grounding that can help address questions in crowd work, and that learn from history rather than repeating past mistakes.

Author Keywords

Activism; design; ethics; economics; social theory; critical design; human computation; Amazon Mechanical Turk

INTRODUCTION: THE POLITICS OF DESIGN IN HUMAN-COMPUTER INTERACTION

At the gap between technological possibility and human desires, conflicts, and labor. Others work to make new kinds of relations possible. Others advocate for the making of things as a way of bringing people together to provoke and sustain democracies [9, 10, 23]. Environmental sustainability, socio-economic development, and pro-social reorganization of technological life animate international HCI communities. But what if the problem is not how we design in a highly unequal world, but the very fact that we are read as designers at all?

Designers are more than those who seek to move from current states to preferred ones. Designers move from relatively high rung in hierarchy to low rung in hierarchy.

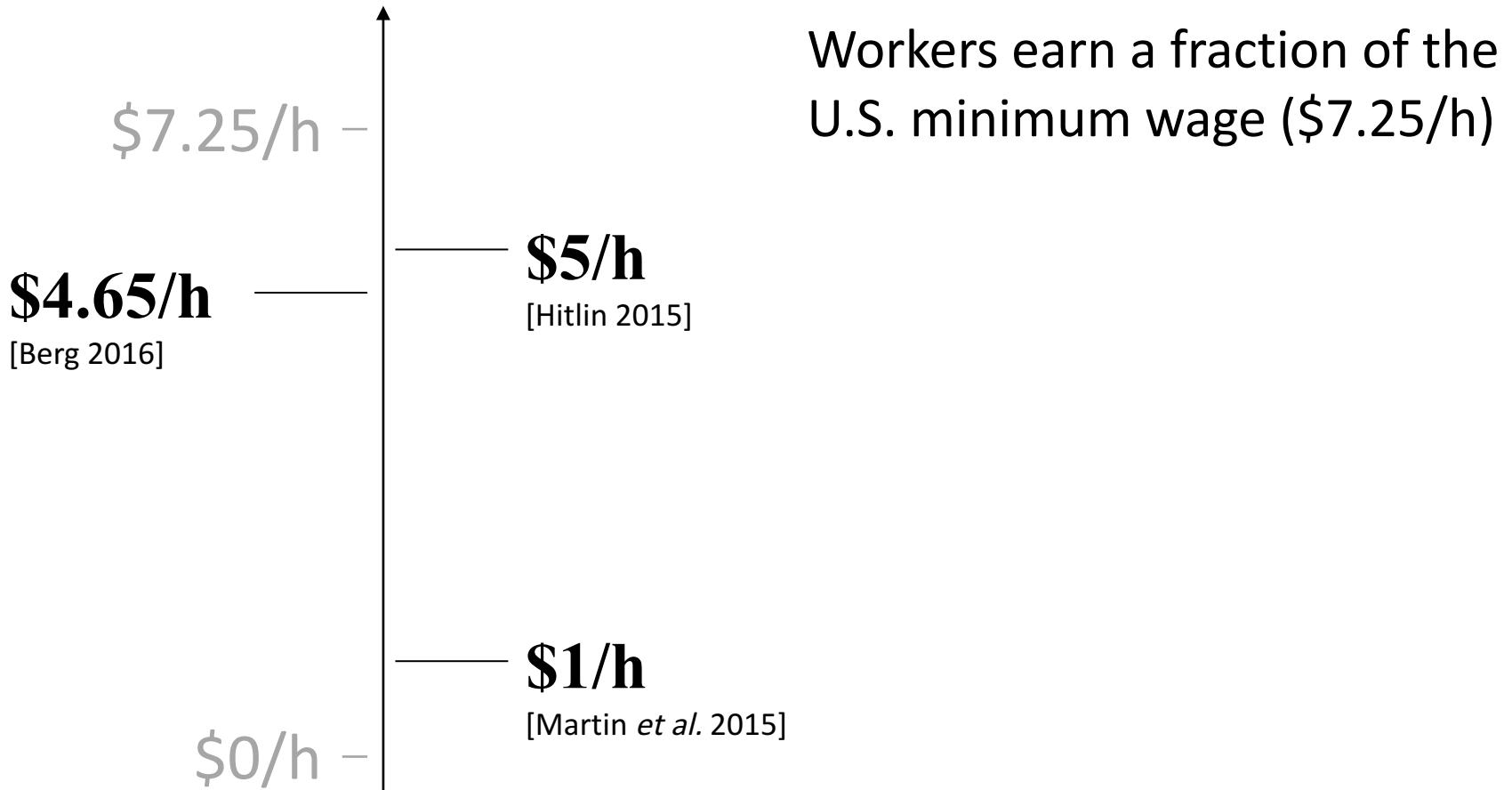
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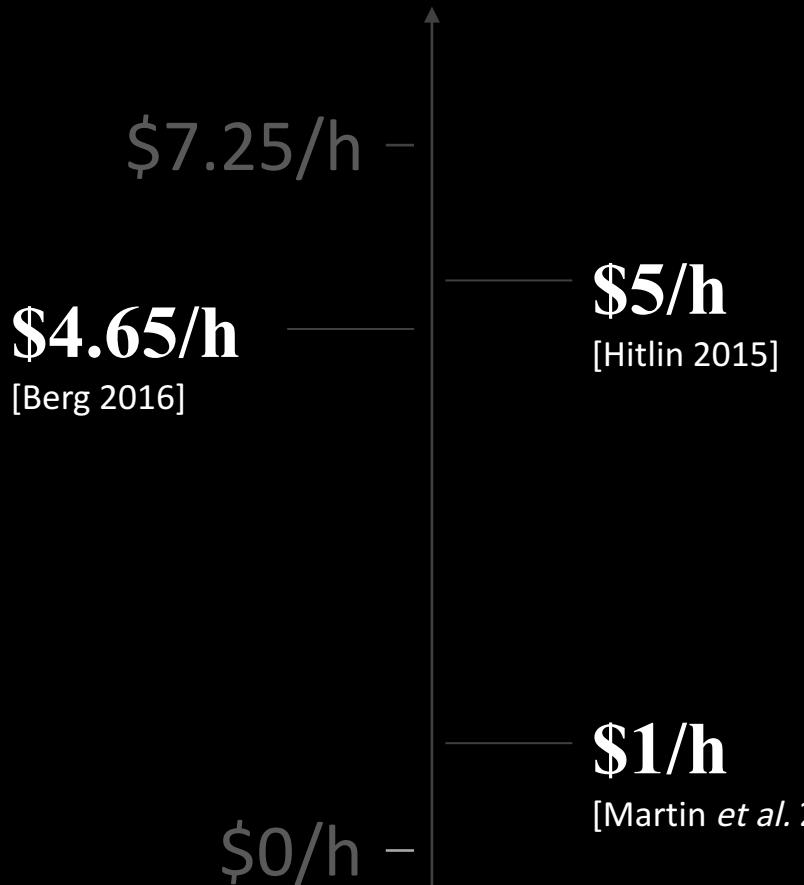
Within such a milieu, designers and HCI practitioners have a privileged place as a research community that self-consciously attempts to generate both the futures of pervasively technologies and methods for generating those futures. We are not simply Herbert Simon's designers in pursuit of preferred states [77:111], but privileged economic actors. These stories of economic and social progress sustain us institutionally, but they also become complicities and liabilities for those who wish to redistribute power through design practice. We encountered these problems as designers of Turkopticon, an activist intervention into Amazon Mechanical Turk (see [45]). In this paper, we explain how cultural and economic understandings of design shaped how broader publics interpreted our intervention, with problematic consequences for the workers the project sought to support. We describe the conflict between “design” as a cultural position to speak from and the projects’ labor politics. We then describe how we expanded our tactics beyond design itself to sustain the projects’ goals to improve digital microwork.

This paper contributes to HCI scholarship in design, systems development, and innovation.

Workers with large clusters who want to do those workers as independent contractors; this means they are not entitled to minimum wage or other employment benefits. Turkopticon came out of engagements with workers themselves – to articulate their needs and rights to do those workers as independent contractors; this means they are not entitled to minimum wage or other employment benefits.

Martin et al. 2014; Berg 2016; Irani and Silberman 2016; Alkhateeb et al. 2017





These figures are subjective data based on workers' opinions on an online forum and survey responses

The lack of **reward** and task duration data has prevented us from objectively analysing workers' hourly wage



Crowd
Workers

3.8m
task records

Research Questions



How much are workers earning on Amazon Mechanical Turk?

What contributes to the low wage?

Research Questions



How much are workers earning on Amazon Mechanical Turk?

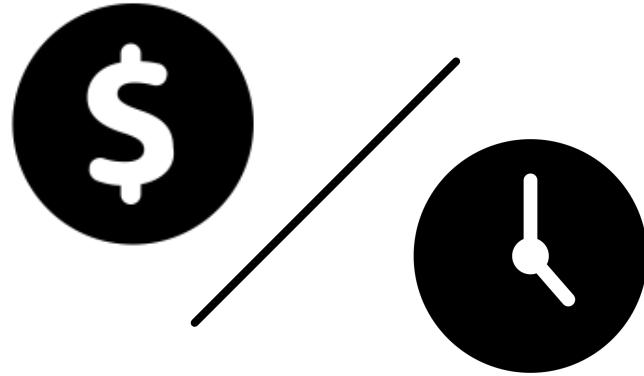
What contributes to the low wage?

Data

- N=2,676 workers
- Task description
 - title, keywords, description, task IDs, requester IDs, **reward (\$)**
- Task status
 - submitted *vs.* returned
 - **Timestamps (task start, task end, task return)**

Data

- N=2,676 workers
 - Task description
 - title, keywords, description, task IDs, requester IDs, **reward (\$)**
 - Task status
 - submitted vs. returned
 - **Timestamps (task start, task end, task return)**
-
- These pieces of information enable us to calculate hourly wage



It is surprisingly hard to get accurate estimation of hourly wage

Hourly Wage Estimation (Naïve)



Task Reward (\$) / Task Interval = Per-task Hourly Wage

Hourly Wage Estimation (Naïve)



Worker

$$\frac{\sum \text{ Task Reward } (\$)}{\sum \text{ Task Interval}} = \text{Per-worker Hourly Wage}$$

Naïve method of calculating hourly wage

Hourly Wage Estimation (Naïve)



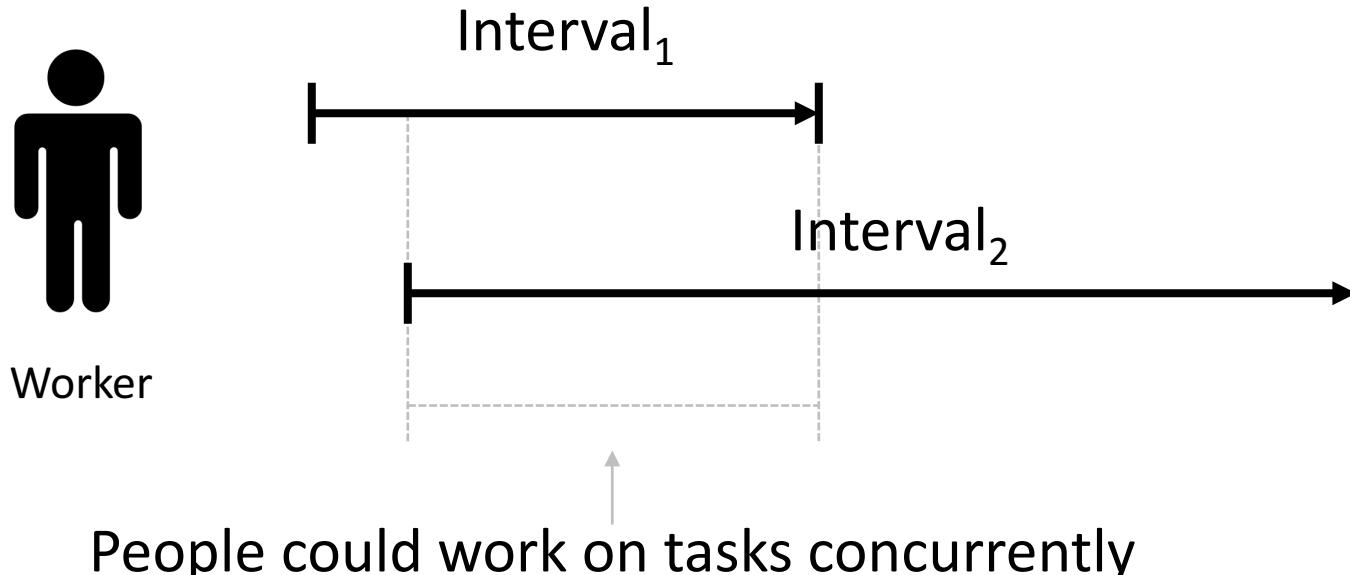
The naïve method may under- or over-estimate the hourly wage

\sum Task Intervals

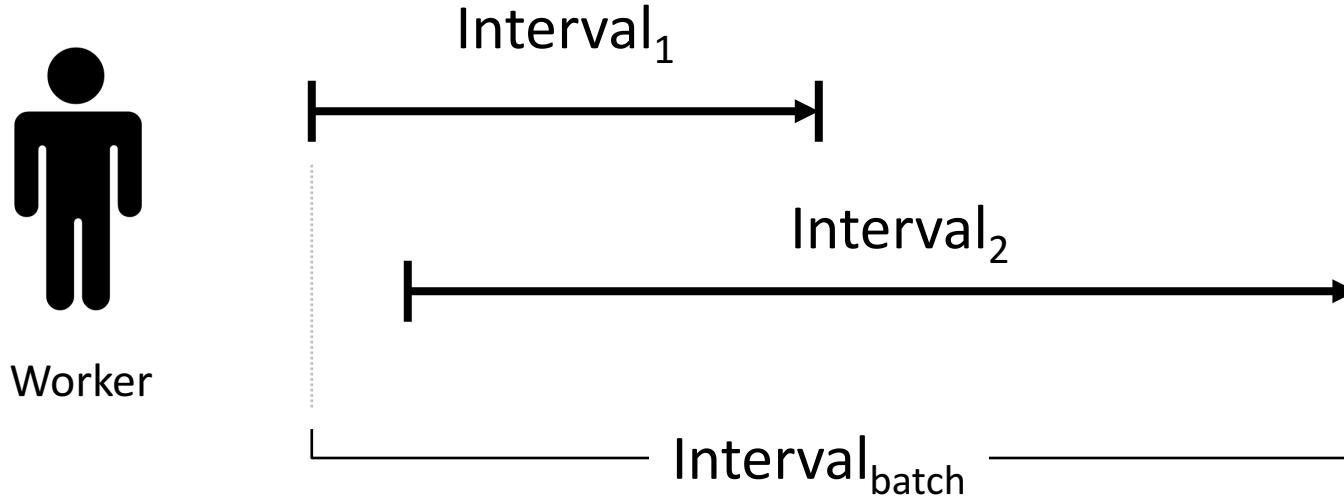
A large, tilted white rectangular box contains this text. The top-left corner features a black stick figure icon. The text "The naïve method may" is in black, while "under- or over-estimate the hourly wage" is in red. Below this, the mathematical expression " \sum Task Intervals" is also in black. The entire box is tilted diagonally from the bottom-left towards the top-right.

Naïve method of calculating hourly wage

Wage Under-estimation

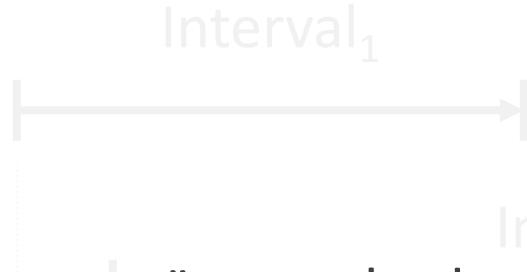


Wage Under-estimation



$$\text{Interval}_{\text{batch}} < \text{Interval}_1 + \text{Interval}_2$$

Wage Under-estimation

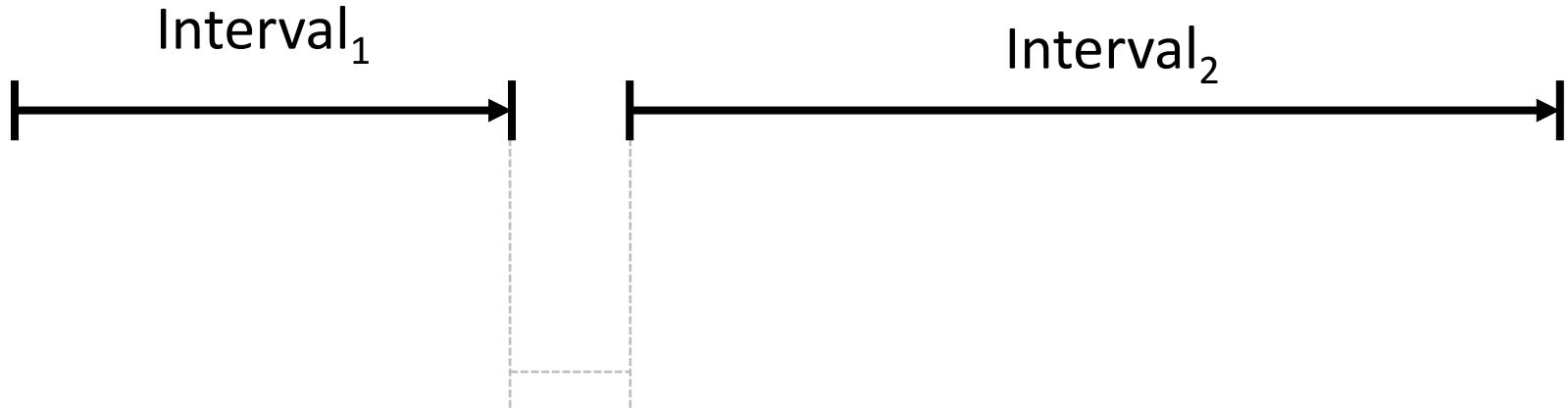


This may cause naïve method to **over-estimate work durations due to interval overlaps** and under-estimate the hourly wage



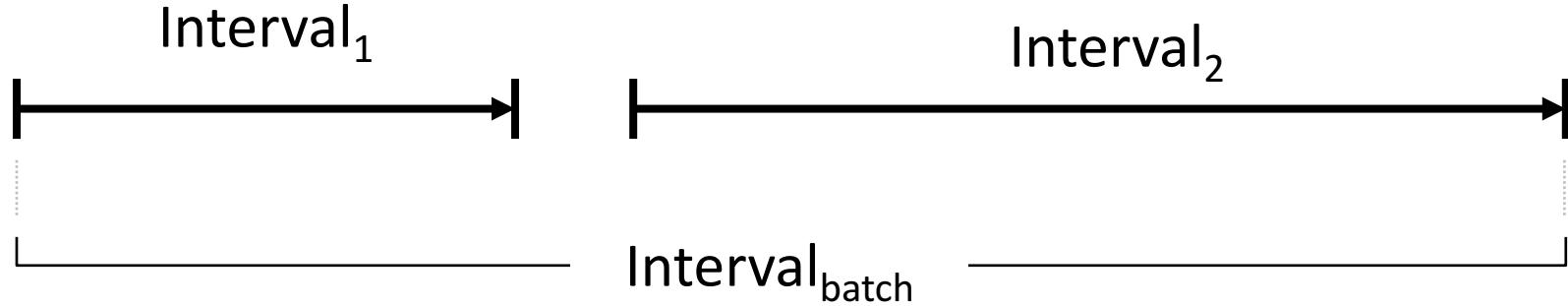
$$\text{Interval}_{\text{batch}} < \text{Interval}_1 + \text{Interval}_2$$

Wage Over-estimation



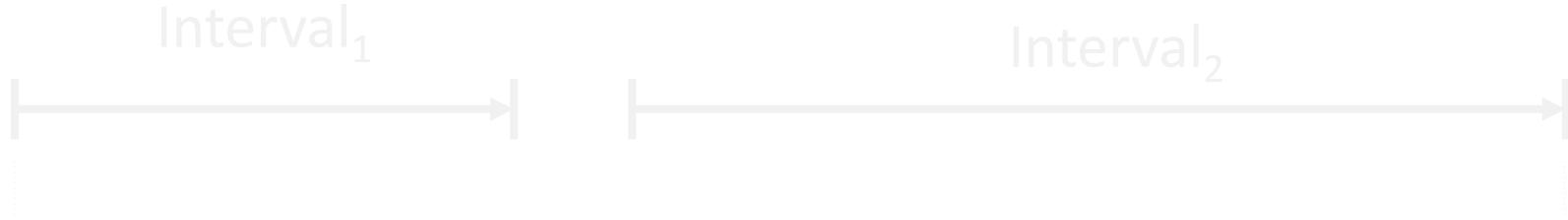
There could be a short gap between two tasks
(e.g., time to search for a task)

Wage Over-estimation



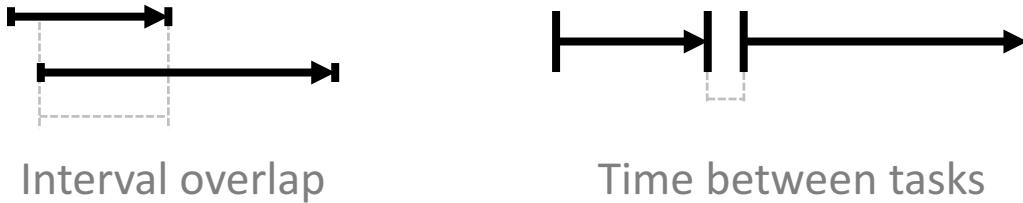
$$\text{Interval}_{\text{batch}} > \text{Interval}_1 + \text{Interval}_2$$

Wage Over-estimation



The naïve method may under-estimate a work interval due to
time between tasks and over-estimate the hourly wage

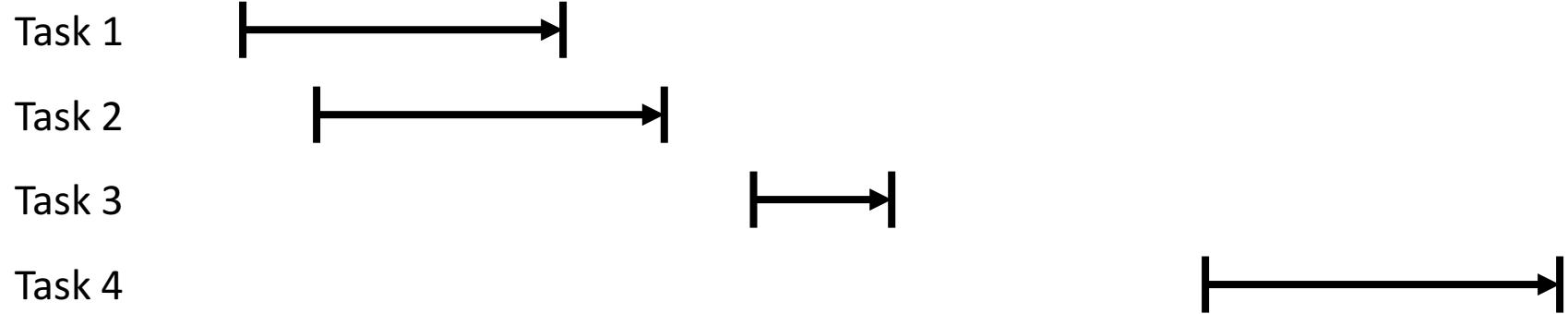
$$\text{Interval}_{\text{batch}} > \text{Interval}_1 + \text{Interval}_2$$



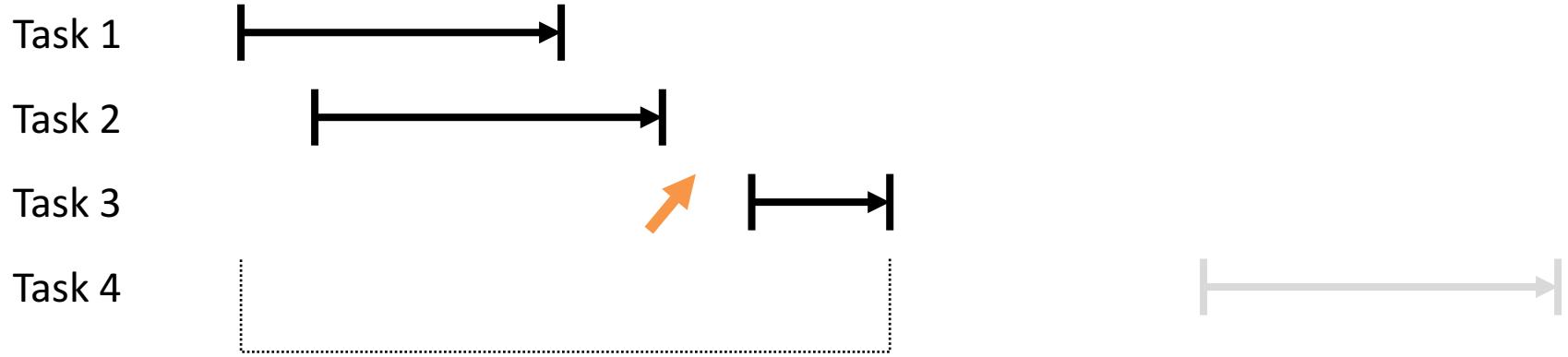
Wage over- and under-estimation may affect the accuracy of hourly wage calculation

To reduce the effects of interval overlaps and time between tasks, we used a **temporal clustering method** to compute hourly wage

Temporal Clustering

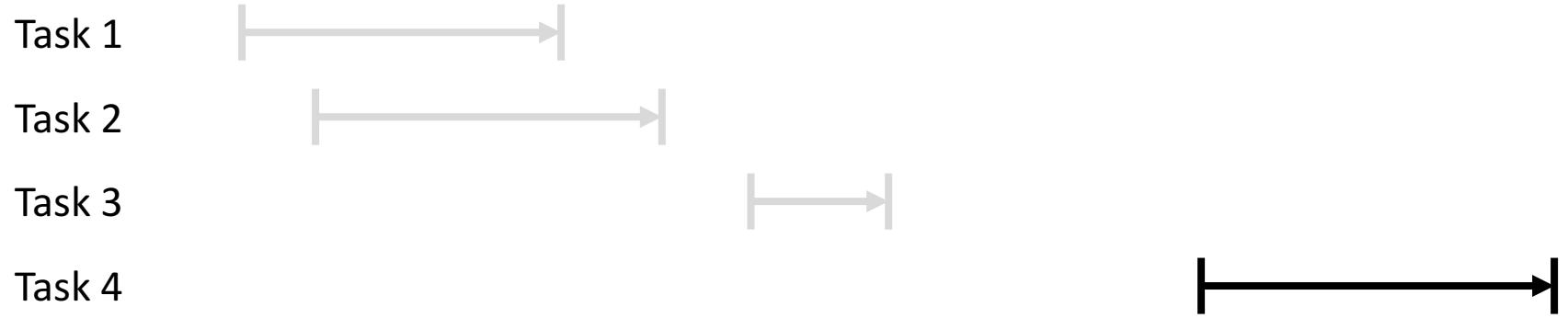


Temporal Clustering



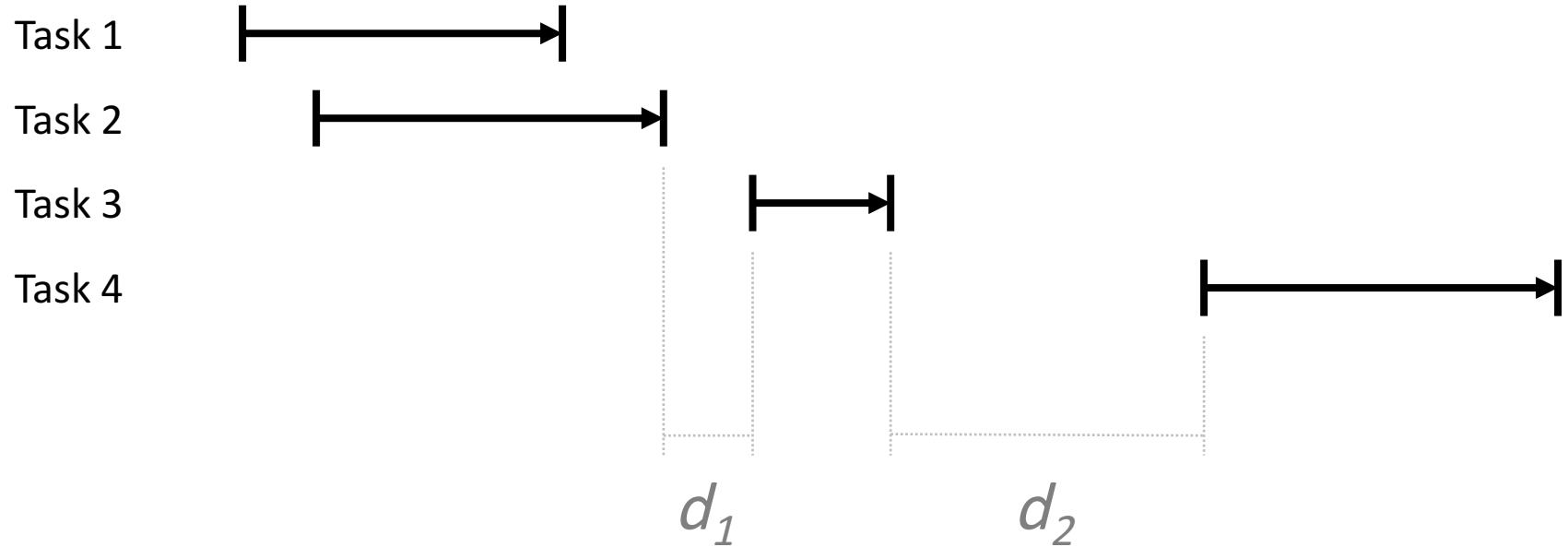
We want to cluster temporally close
tasks together to ignore this **small gap**

Temporal Clustering

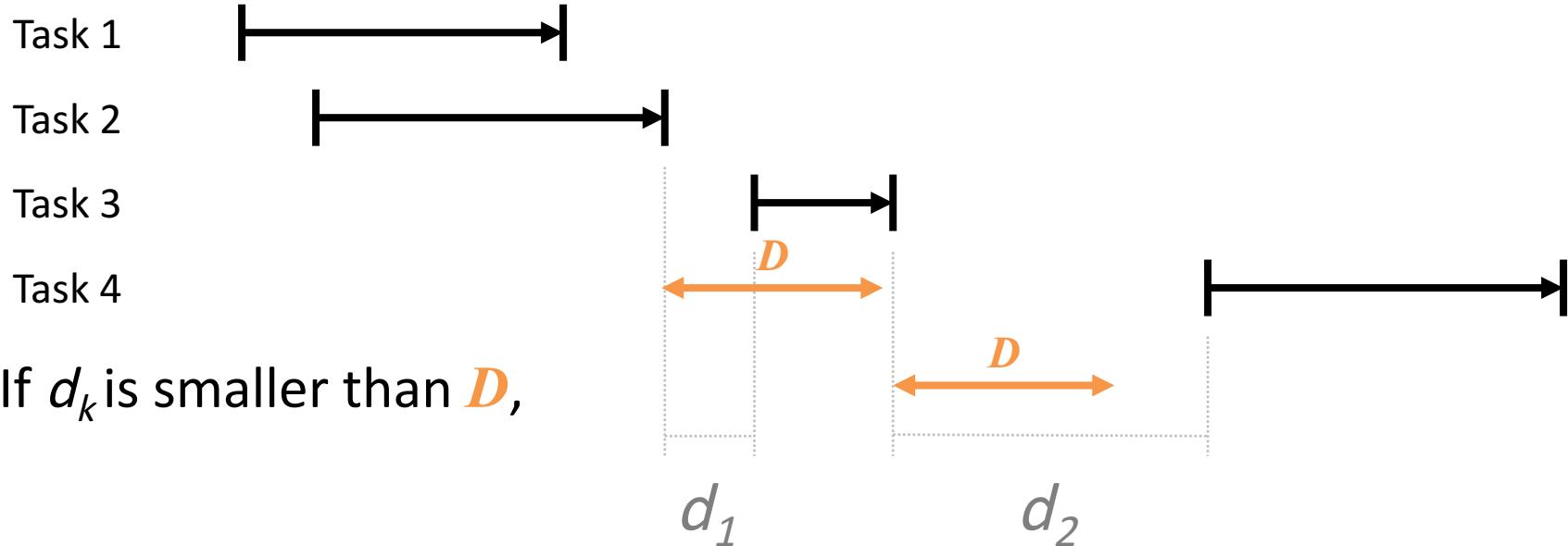


While keeping this isolated task disjoint

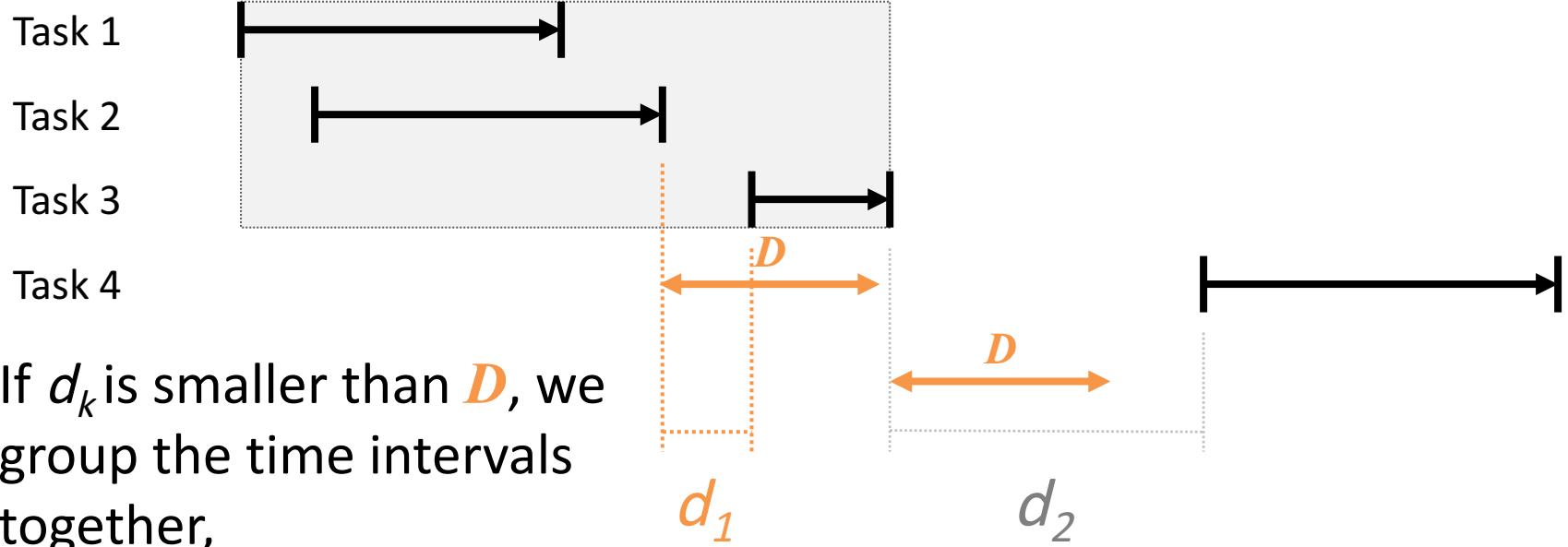
Temporal Clustering



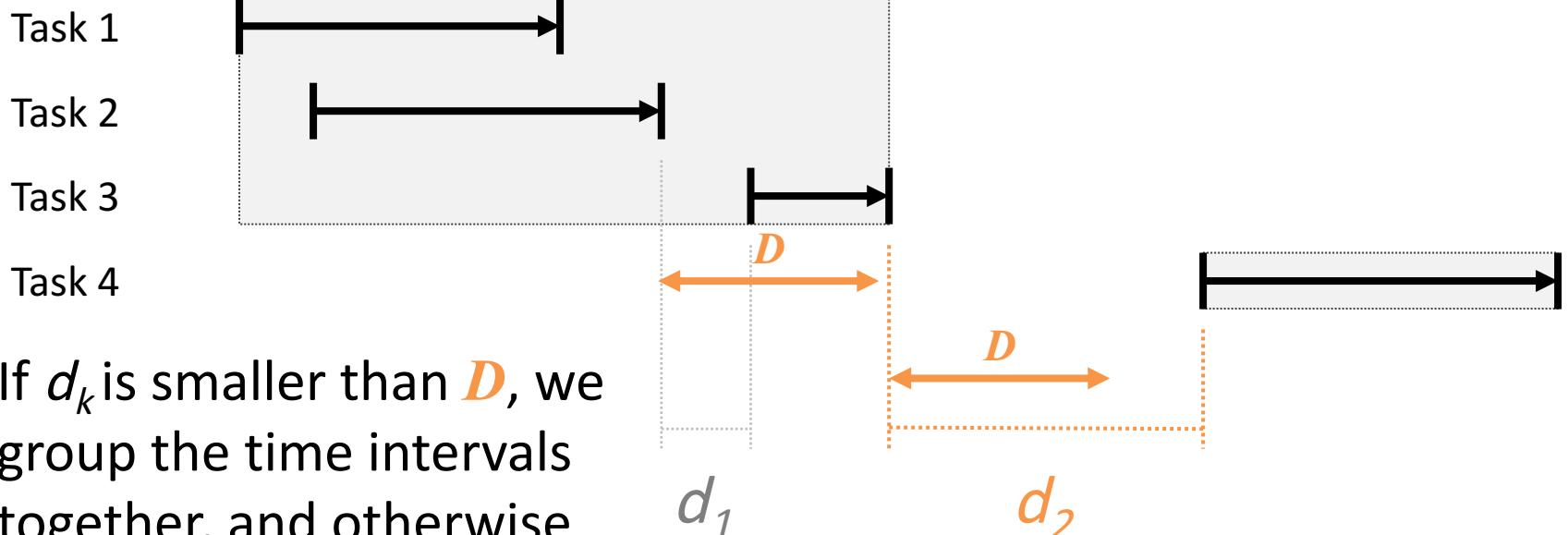
Temporal Clustering



Temporal Clustering

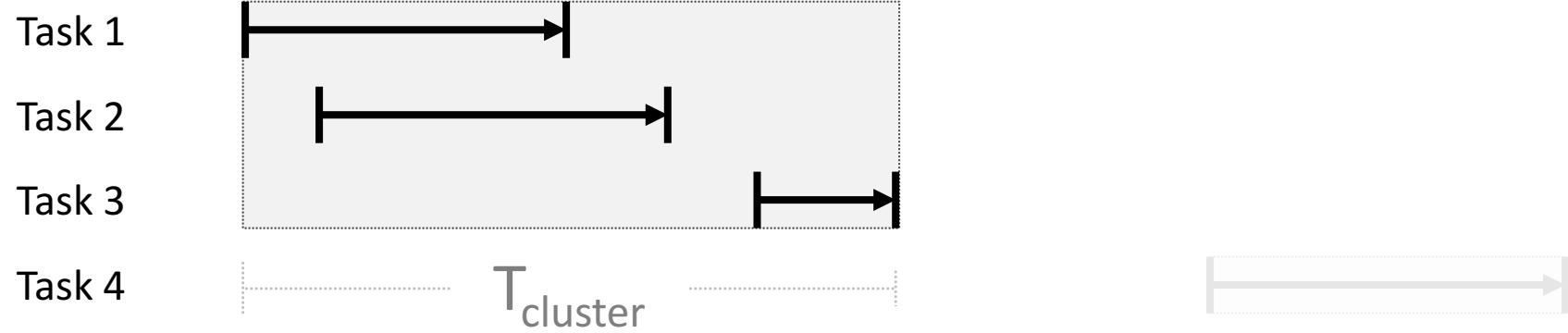


Temporal Clustering

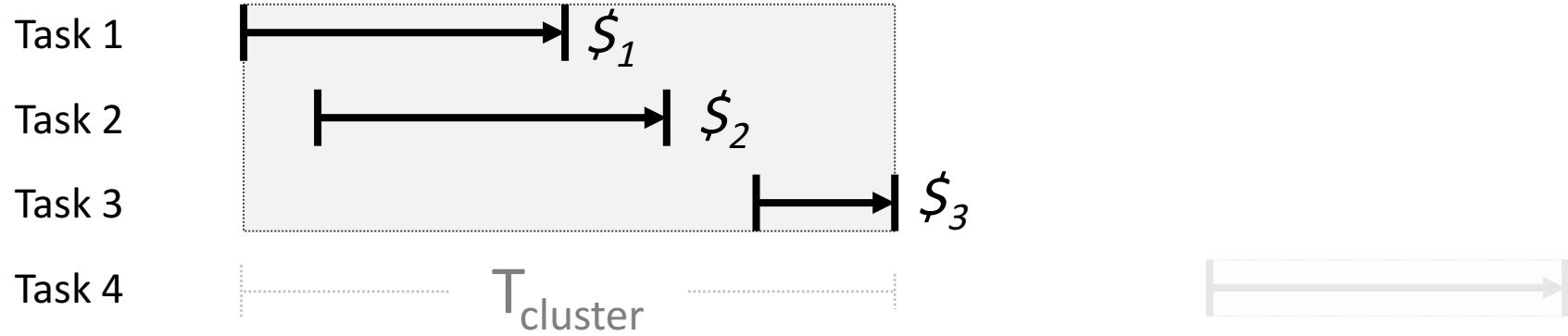


If d_k is smaller than D , we group the time intervals together, and otherwise keep them disjoint

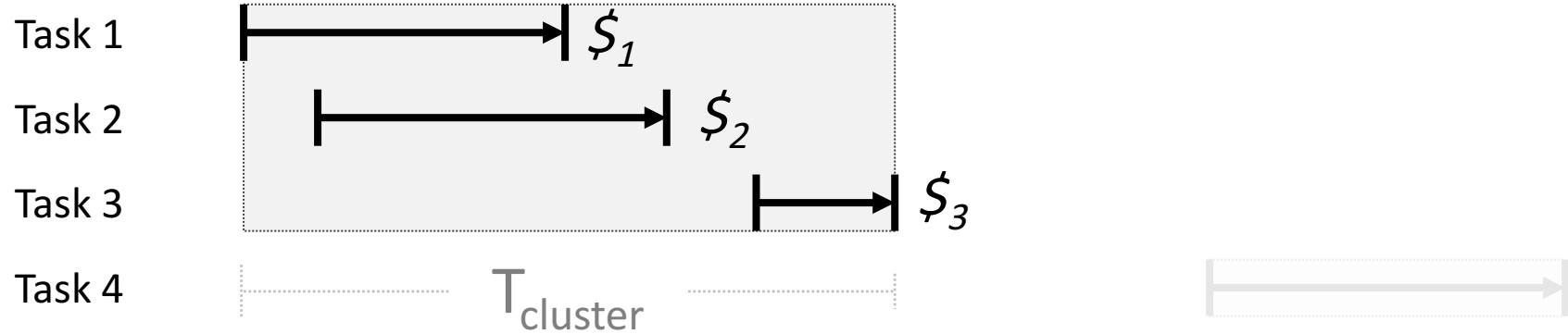
Temporal Clustering: Cluster-based Hourly Wage



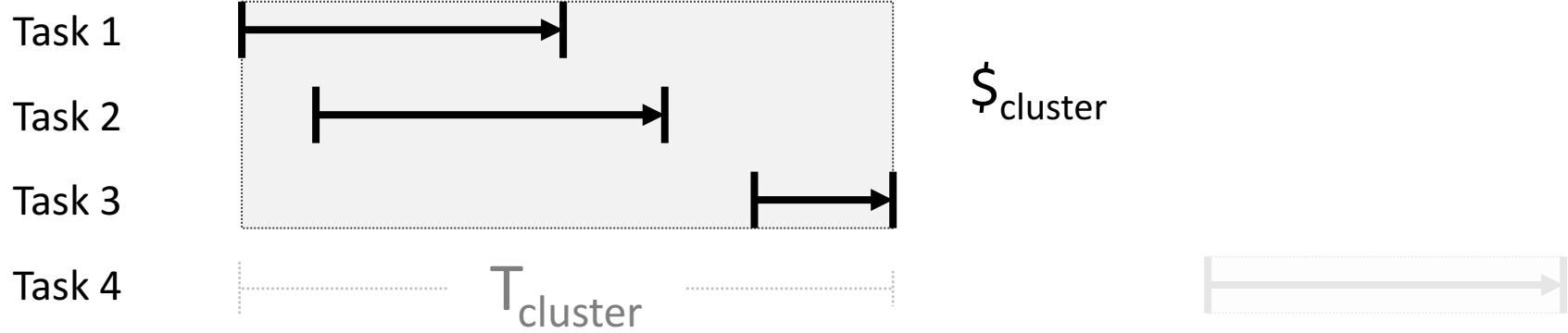
Temporal Clustering: Cluster-based Hourly Wage



Temporal Clustering: Cluster-based Hourly Wage

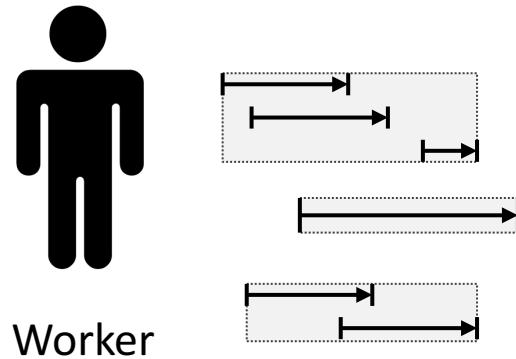


Temporal Clustering: Cluster-based Hourly Wage



We define **per-cluster hourly wage** as $\$/\text{cluster} / T_{\text{cluster}}$

Temporal Clustering: Cluster-based Hourly Wage



A black silhouette of a person icon labeled "Worker" is positioned to the left of three horizontal bars. Each bar is enclosed in a dotted rectangle and contains a double-headed arrow indicating its length. The top bar is the longest, followed by the middle one, and the bottom bar is the shortest.

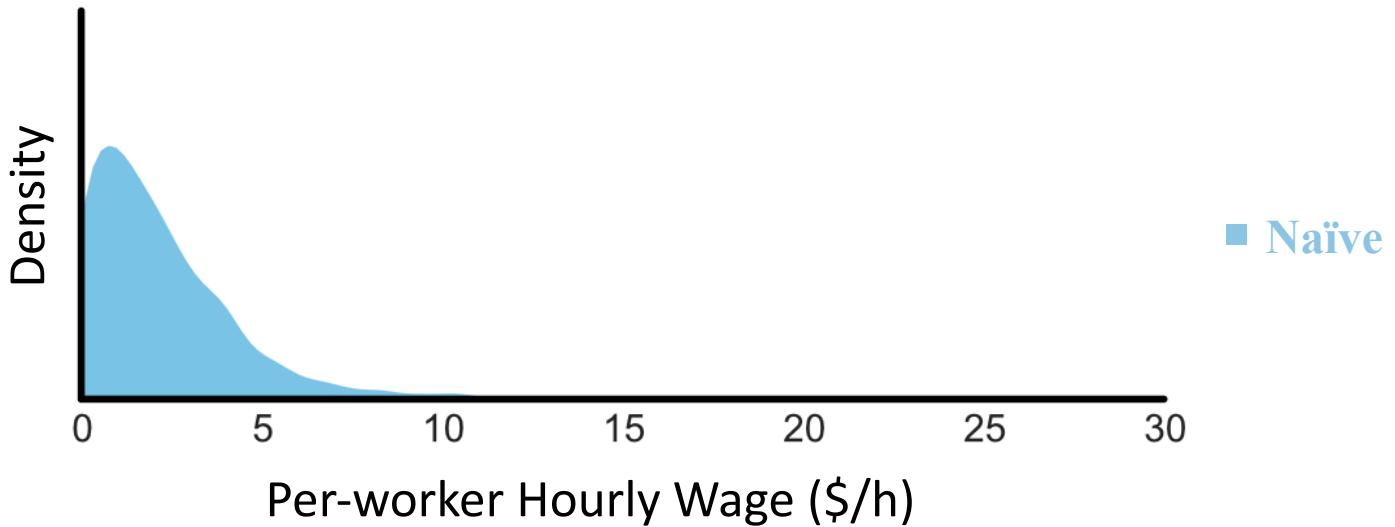
$$\frac{\sum \text{Cluster Reward} (\$)}{\sum \text{Cluster Interval}} = \text{Per-worker Hourly Wage with Clustering}$$

Because different choice of D yield different sets of clusters, we use $D=0$ and $D=1$ minute and see their effects on cluster-based hourly wages

Worker Hourly Wage: Result (Naïve)



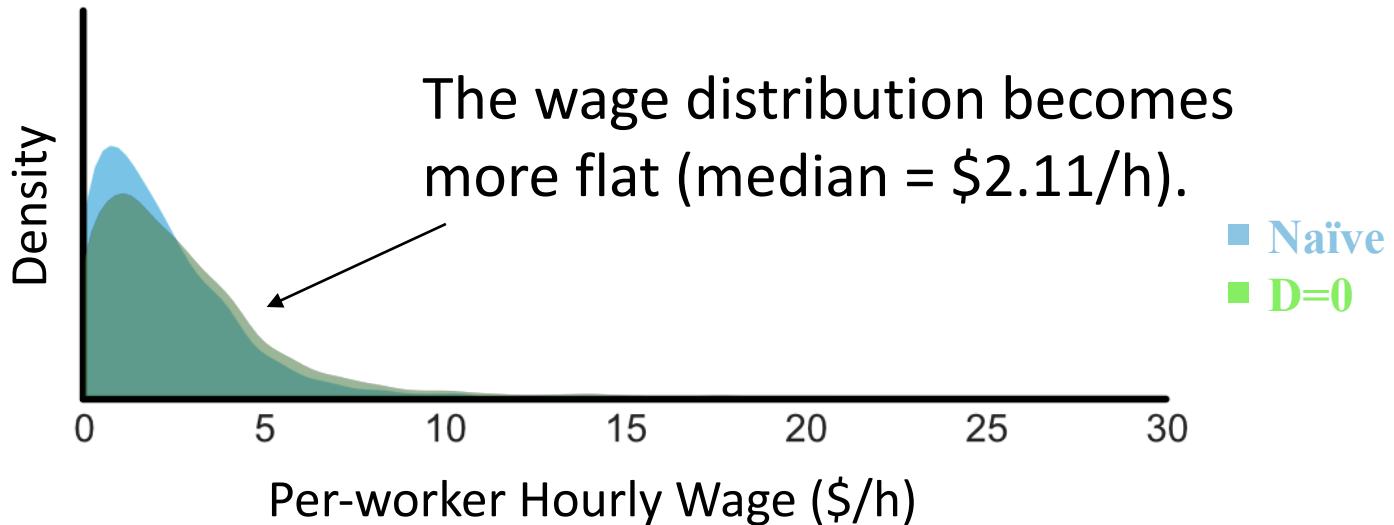
Worker Hourly Wage: Result (Naïve)



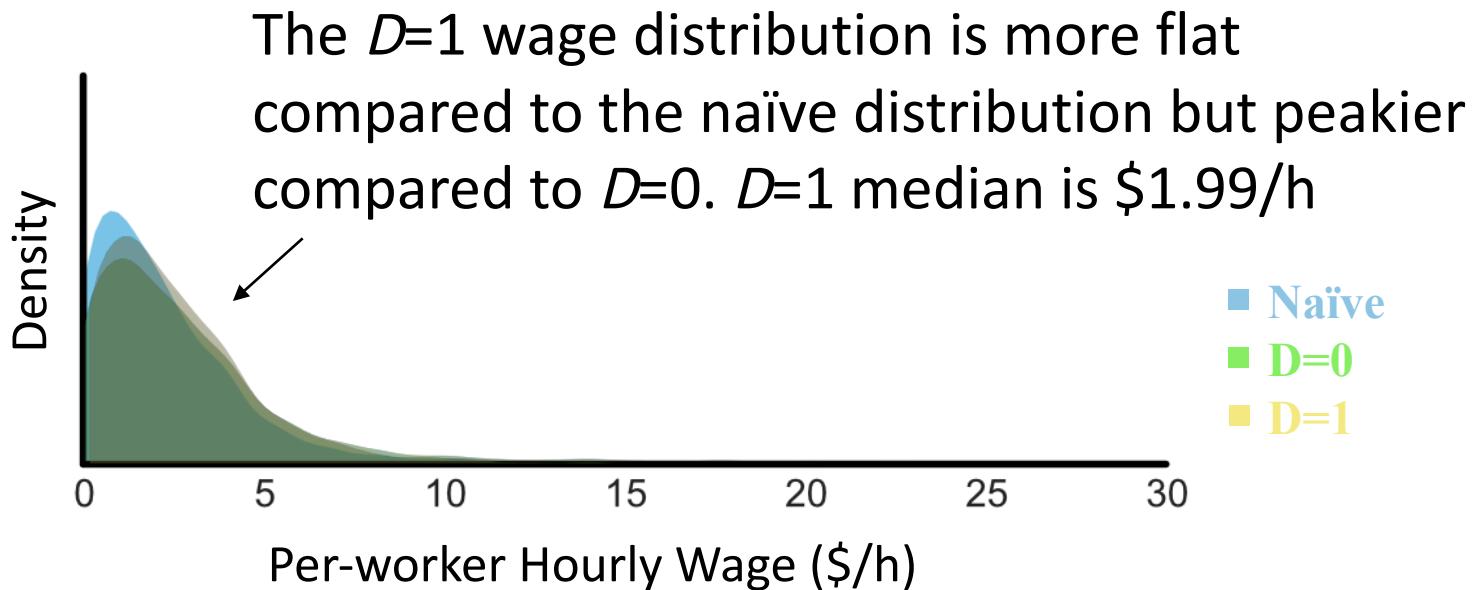
Worker Hourly Wage: Result (Naïve)



Worker Hourly Wage: Result (Clustered)

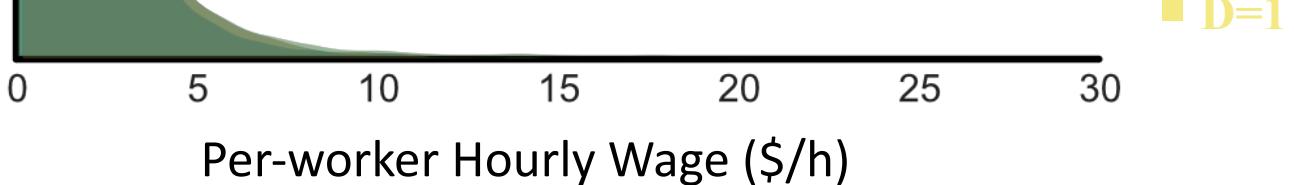


Worker Hourly Wage: Result (Clustered)



Worker Hourly Wage: Result

Median worker hourly wage is around **\$2/h**. Naïve estimation method under-estimates the hourly wage by approximately 12% (compared to $D=1$).



Takeaway 1

The majority of workers on Amazon Mechanical Turk work with **hourly wage below \$2/h**

Research Questions



How much are workers earning on Amazon Mechanical Turk?

What contributes to the low wage?

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How much are workers earning on Amazon Mechanical Turk?

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Unpaid work



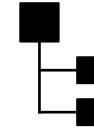
Low reward



Requesters



Qualifications



Task types

What contributes to the low wage?



Unpaid work



Low reward



Requesters



Qualifications



Task types

What contributes to the low wage?



Unpaid work



Low reward



Requesters



Qualifications



Task types

Being A Turker

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Author Keywords
Ethnomethodology; content analysis; crowdsourcing; microtasking; Amazon Mechanical Turk; Turker Nation.

ACM Classification Keywords
H.5.3 Group and Organizational Interfaces – Computer, Supported Cooperative Work

General Terms
Human Factors

INTRODUCTION
The concept of crowdsourcing was originally defined by Jeff Howe of Wired Magazine as “*the act of a company or individual taking a problem and offering it to an undefined (and generally large) network of people in the form of an open call*.” [8] This ‘undefined network of people’ is the key topic of this article. We present the findings of an ethnmethodological analysis of posts and threads on a crowdsourcing forum called Turker Nation¹. We have sought to understand members of the crowd – their reasoning, practices, concerns, and relationships with requesters and each other – as they are shown in their posts on the forum. We seek to present them as faithfully as possible, in their own words, in

order to provide more definition to this network of people. We believe that this will be beneficial for researchers and businesses working within the crowdsourcing space.

Crowdsourcing encompasses multiple types of activity: invention, project work, creative activities, and microtasking. This latter is our focus here. The most well-known microtask platform is Amazon Mechanical Turk (AMT)², and the Turker Nation forum that we studied is dedicated to users of this platform. The basic philosophy of microtasking and AMT is to delegate tasks that are difficult for computers but easy for the workforce. This has been termed ‘artificial artificial intelligence’ and includes image tagging, duplicate recognition, translation, transcription, object classification, and content generation are common.

‘Requesters’ (the AMT term for people who have work to be completed) post multiple, similar jobs as Human Intelligence Tasks (HITs), which can then be taken up by registered ‘Turkers’. Turkers (termed ‘Providers’ by AMT) are the users completing the HITs, which typically take seconds or minutes paid at a few cents at a time.

For Amazon, the innovative idea was to have an efficient and cost effective way to curate and manage the quality of content on their vast databases (weeding out duplicates, vulgar content, etc.). While Amazon is still a big Requester, AMT has been deployed as a platform and connects a wide variety of Requesters with up to 500,000 Providers. However, Fort et al. [6] have performed an analysis on the available data and suggest that real number of active Turkers is between 15,059 and 42,912; and that 80% of the tasks are carried out by the 20% most active (3,011–8,582) Turkers. While these numbers are useful, the research community still has little deep qualitative knowledge about this workforce. Questions remain unanswered such as: how and what do they look for in jobs; what are their concerns; and how do they relate to requestors?

LITERATURE REVIEW

To date much of the research on AMT takes the employers’ perspective, e.g. [14, 15, 17, 18], and this has in turn been highlighted [6, 16]. Silberman et al. [23] note that this mainstream research looks at how: “[t]o motivate better, cheaper and faster worker performance [...] to get good

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Copyright 2013 ACM 978-1-4503-1331-5/13/02 \$15.00

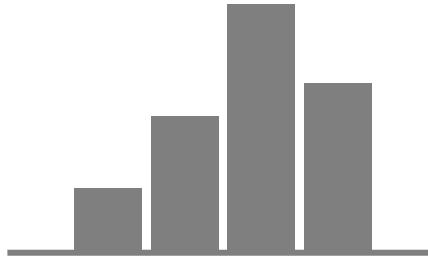
¹ <http://turkernation.com/forum.php>

² <http://www.mturk.com>

[...] aspects of turking [(working on Amazon Mechanical Turk)] like simply searching for jobs can take a considerable amount time.

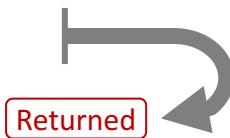
The time spent learning and searching are clear examples of invisible [(unpaid)] work that Turkers must engage in [...].

Martin *et al.*, (2014) *Being a Turker*, CSCW 2014



The issue of unpaid work has been identified in prior work,
but its effects are not quantified

We quantify three types of unpaid work



Time spent on
returned tasks

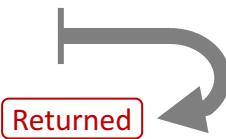


Time spent on
rejected tasks



Time
between tasks

We quantify three types of unpaid work



Time spent on
returned tasks



Time spent on
rejected tasks

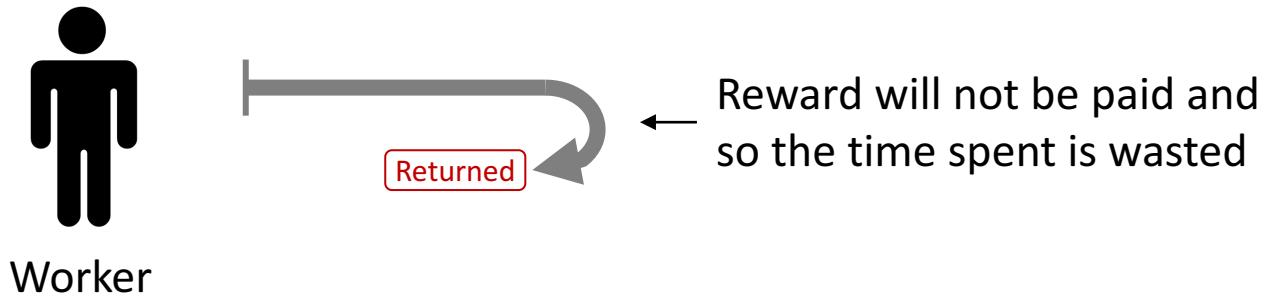


Time
between tasks

Task Submit and Return

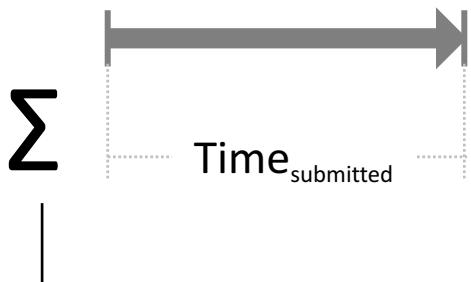


Task Submit and Return



Time Spent on Returned Tasks

Submitted

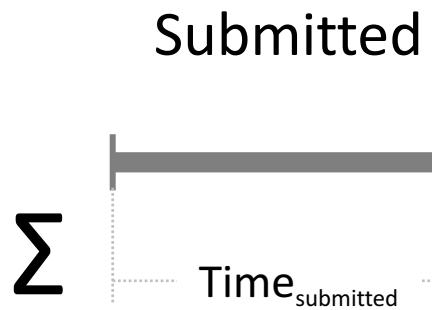


For all tasks from all workers

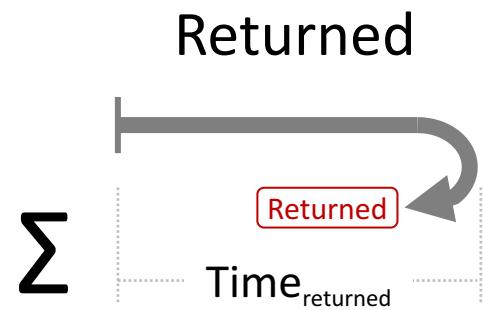
Returned



Time Spent on Returned Tasks: Result

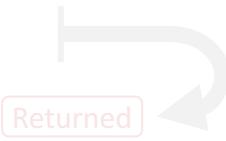


= 98,202 hours (68.2%)



= 45,778 hours (31.8%)

We quantify three types of unpaid work



Time spent on
returned tasks

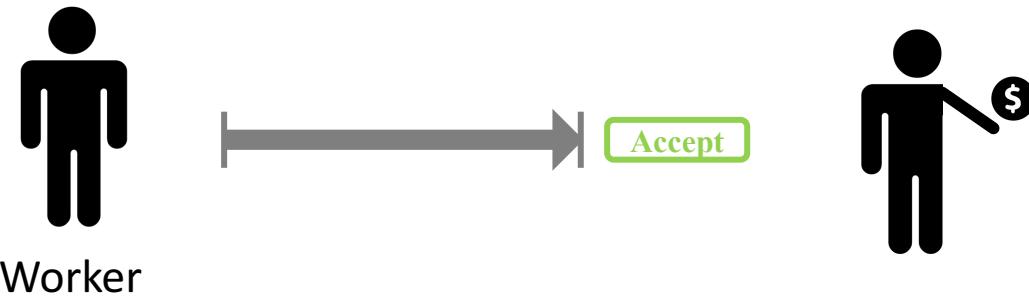


Time spent on
rejected tasks

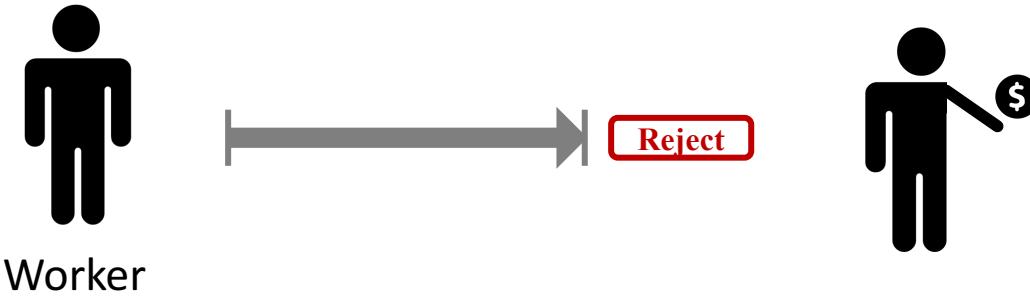


Time
between tasks

Task Accept and Reject

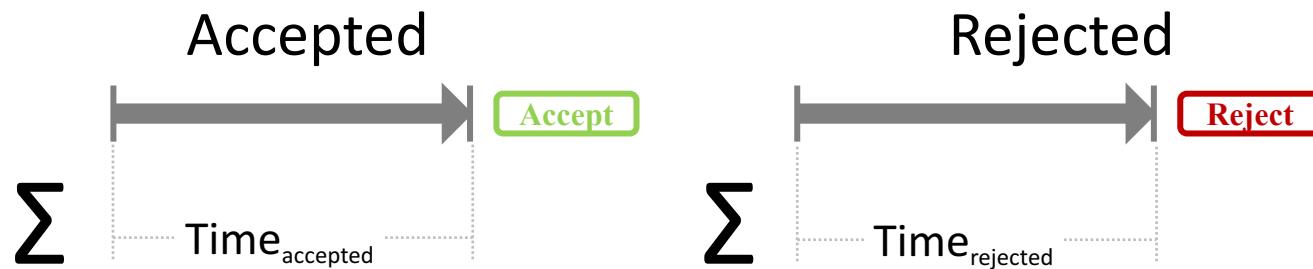


Task Accept and Reject



Time Spent on Rejected Tasks

We had data on task accept *vs.* reject status for 29.6% of the submitted tasks



Time Spent on Rejected Tasks: Result

We had data on task accept *vs.* reject status for 29.6% of the submitted tasks



We quantify three types of unpaid work



Time spent on
returned tasks

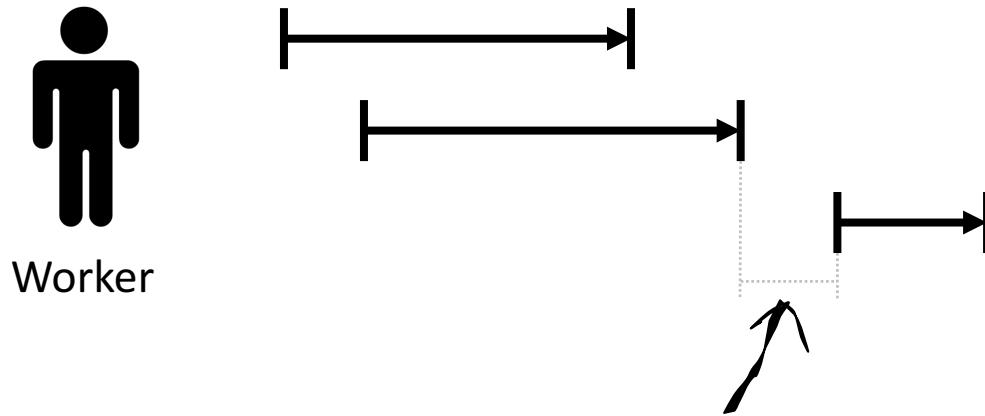


Time spent on
rejected tasks



Time
between tasks

Time Between Tasks

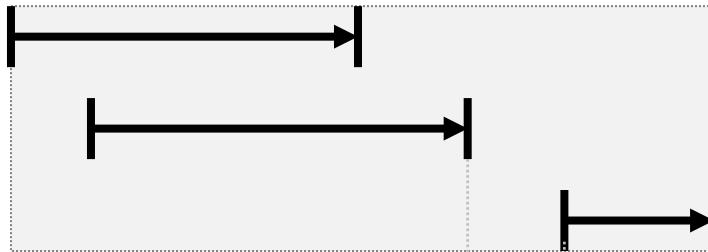


We want to know the effect of
this small gap between tasks
(e.g., task search time)

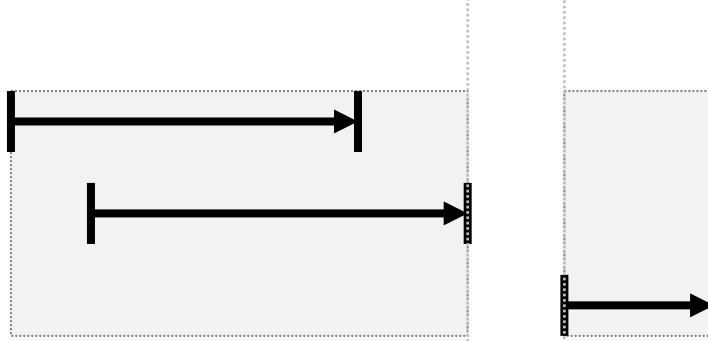
Time Between Tasks



Worker



Clustering ($D=1\text{min}$)



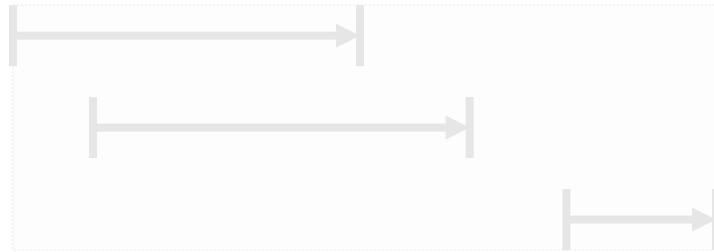
Clustering ($D=0\text{min}$)

$$\sum \Delta$$

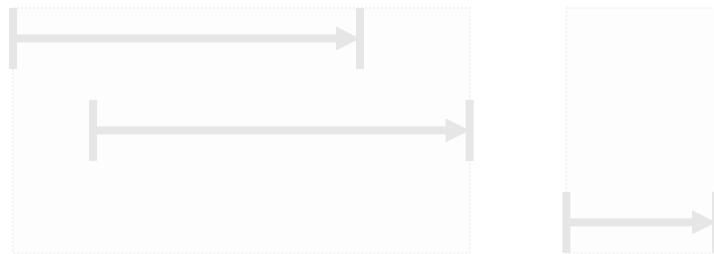
Time Between Tasks: Result



Worker



Clustering ($D=1\text{min}$)

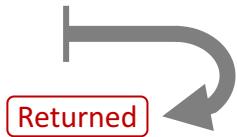


Clustering ($D=0\text{min}$)

$$\sum \Delta = 4,603 \text{ hours}$$

Result

45,778 hours
31.8% of work



240 hours
0.7% of work



4,603 hours
4.7% of work



Takeaway 2

Returning tasks has the biggest impact on the hourly wage. In fact, **31.8% of work time is wasted due to this unpaid work.**

What contributes to the low wage?



Unpaid work



Low reward



Requesters



Qualifications



Task types

What contributes to the low wage?



Unpaid work



Low reward



Requesters



Qualifications



Task types

< \$2/h

Workers are underpaid.

< \$2/h

Workers are underpaid. Is this because all requesters treat workers unfairly,

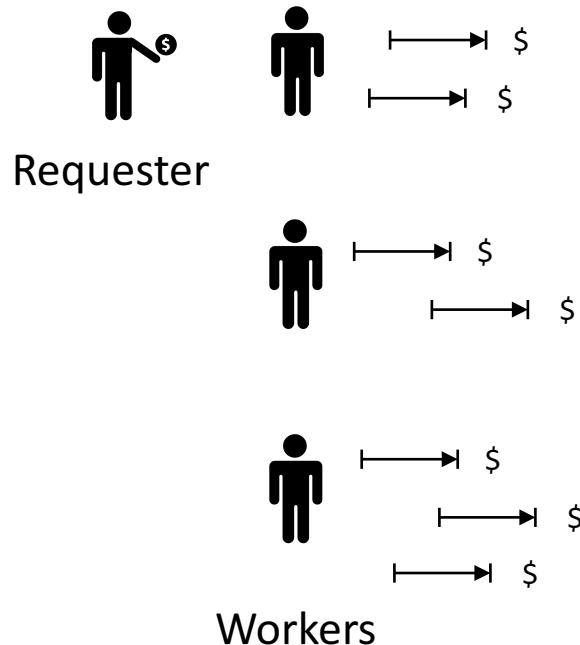
< \$2/h

Workers are underpaid. Is this because all requesters treat workers unfairly, or are there a small number of requesters who post many very low paid tasks?

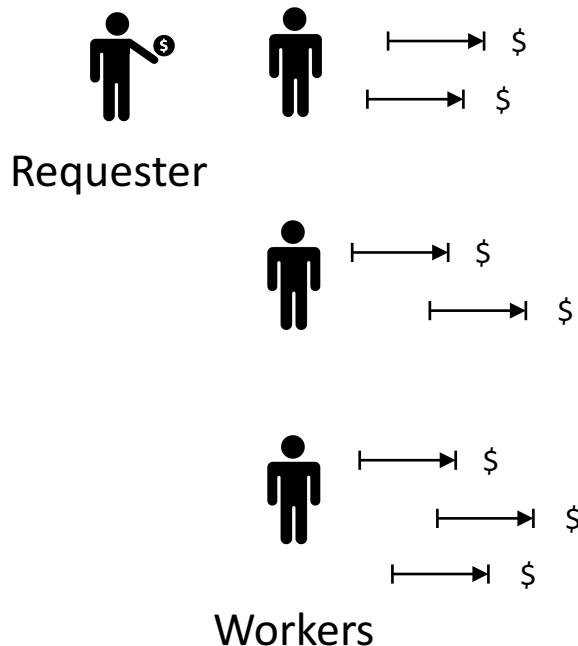


We investigated the distribution of **per-requester hourly payment**

Per-requester Hourly Payment



Per-requester Hourly Payment



Per-requester Hourly Payment



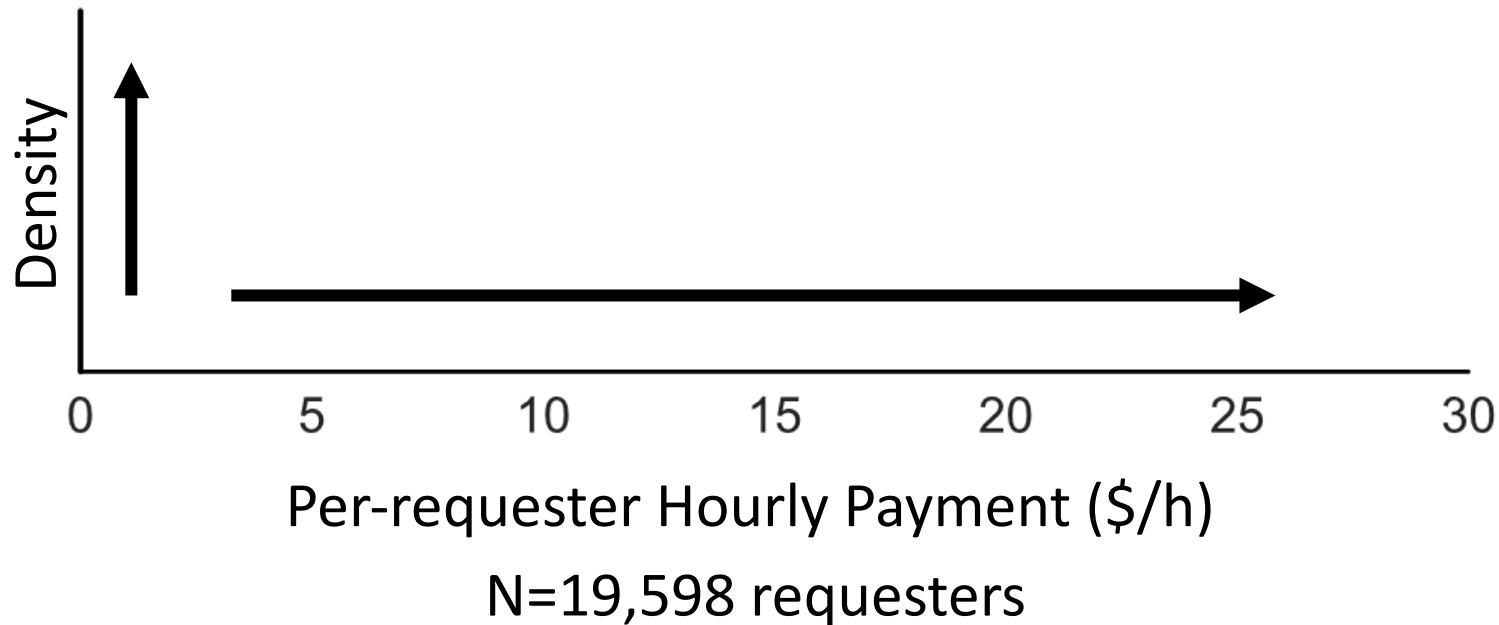
Requester



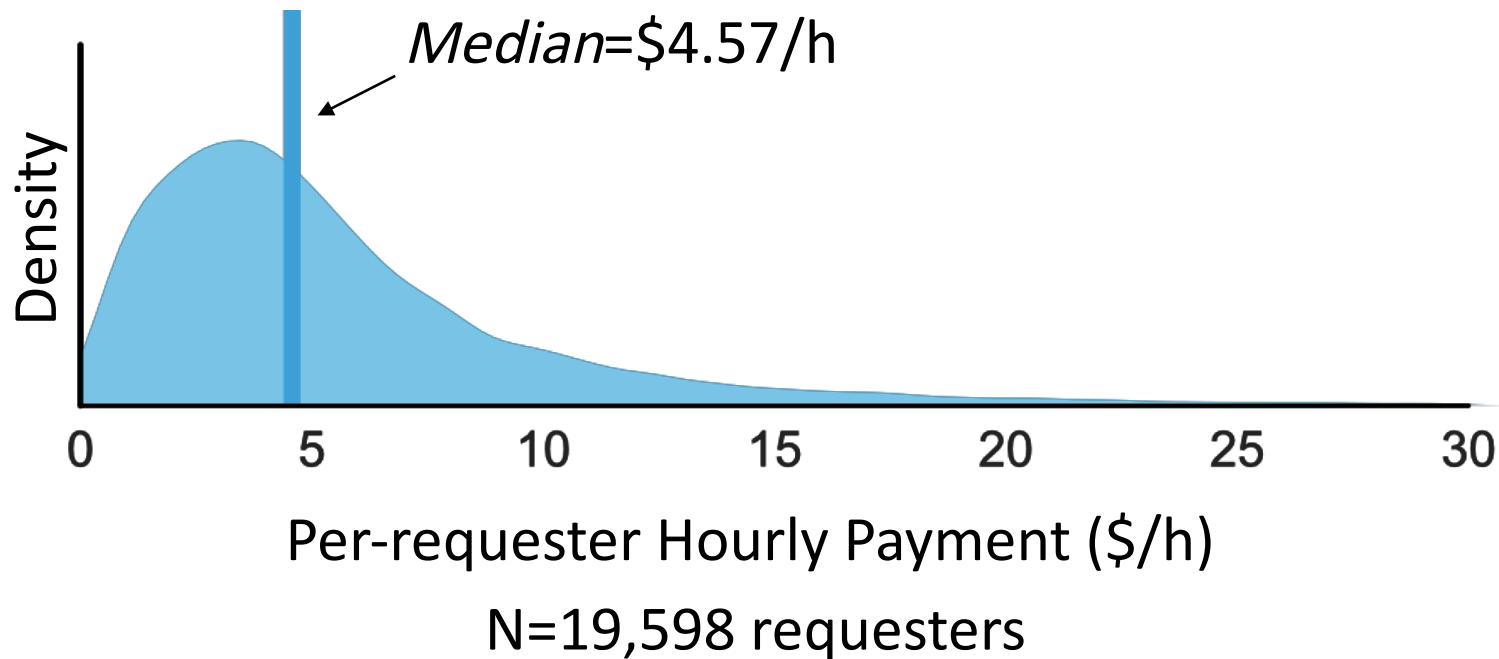
Workers

$$\frac{\sum \text{ Task Payment } (\$)}{\sum \text{ Task Interval}} = \text{ Per-requester Hourly Payment}$$

Per-requester Hourly Payment: Result



Per-requester Hourly Payment: Result



Takeaway 3

About half of the requesters pay below \$5/h, which is below the U.S. federal minimum wage.

Takeaways

< \$2/h

Crowd workers are underpaid and they often earn below \$2/h



Unpaid work, particularly returning tasks has a large impact on the hourly wage



Majority of the requesters reward workers below \$5/h

Discussion and Future Work

- Could we create **tools for workers** to make it easier to search for tasks that give them good wage, avoid tasks that are not completable, and find requesters fair wage?
- Could we create **technologies for requesters** to help them pay fairly?

Discussion and Future Work



Sukrit Venkatagiri
@thesukrit

Following

Today @VTGSA Research Symposium, I spoke with @VTPamplin Business PhD student about how HIT reward + overhead on @amazonmturk translates to \$/hr, citing @kotarohara_en's work (arxiv.org/abs/1712.05796). She promised she & her colleagues would pay Turkers a fair wage from now on.

9:51 PM - 28 Mar 2018

5 Retweets 14 Likes



5

14



Tweet your reply

How can we nudge more people to pledge and help them keep committing to their promises?

Jobs in the platform economy



In Search of Uber's Unicorn

The ride-sharing service says its median driver makes close to six figures. But the math just doesn't add up.

By Alison Griswold



An Uber driver waits for customers in his car in Beverly Hills, California.



New York Uber Driver Refuses to Take Woman in Labor to Hospital, Charges Her \$13



Taxis Are Doomed and They Know It. Here's Why There's Nothing They Can Do.



Can a Field in Which Physicists Think Like Economists Help Us Achieve Universal Knowledge?

FROM THE WEEK



Report: Most of America's largest police departments allow officers to choke, strangle, and hog-tie people



The Economy Kind of Sucks for People Who Don't Drive

Paychecks, Paydays, and the Online Platform Economy

February 2016

Big Data on Income Volatility



Source: JPMorgan Chase Institute

From a Universe of 28 Million People



A checking account in every month between October 2012 and September 2015

At least five outflows in every month between October 2012 and September 2015



6 Million People

Random Sample

1 Million People

Income received at least once over the 36 months from one of 30 distinct platforms

260,000 People

Online Platform Economy Participants

Identifying income and jobs:

1.9 Billion Inflow Transactions

Amount, date and time, transaction description, and channel

Categorize income components

Income Categories



Labor income

Payroll, other direct deposits



Capital income

Annuities, dividends, interest income



Government income

Tax refunds, unemployment, Social Security



Other

ATM deposits, unclassified income

Identify jobs

Jobs

Job Transitions

Job Pay Attributes
Paycheck amounts
Pay frequency

Income Volatility Among U.S. Individuals

The percentage of people who experienced more than a 30 percent month-to-month change in total income:



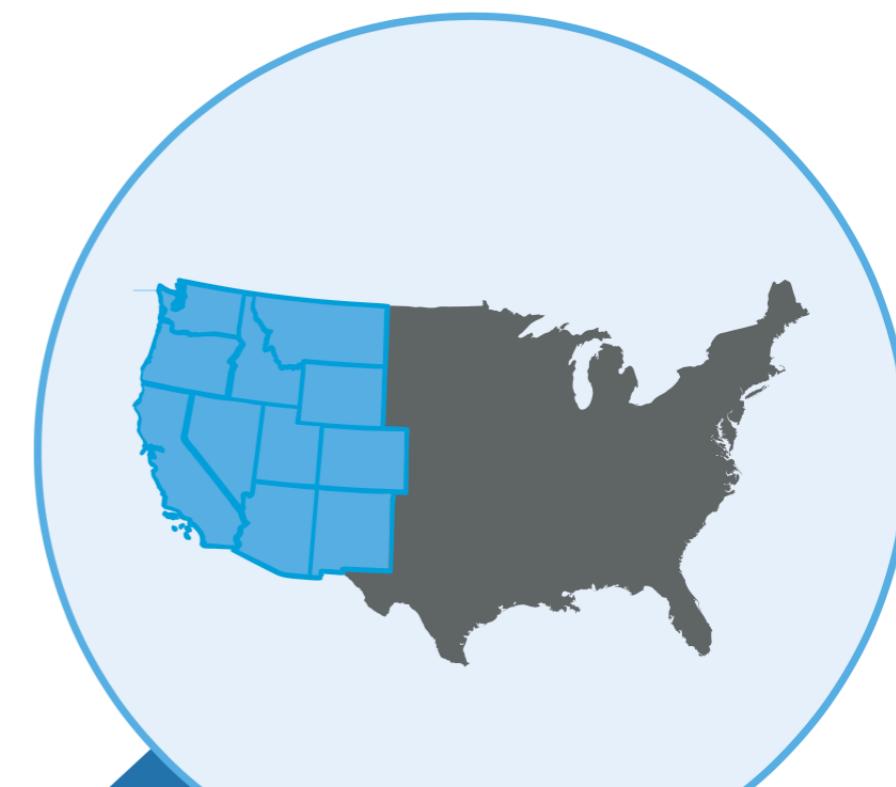
70%

Aged 18-24



74%

Bottom Income Quintile



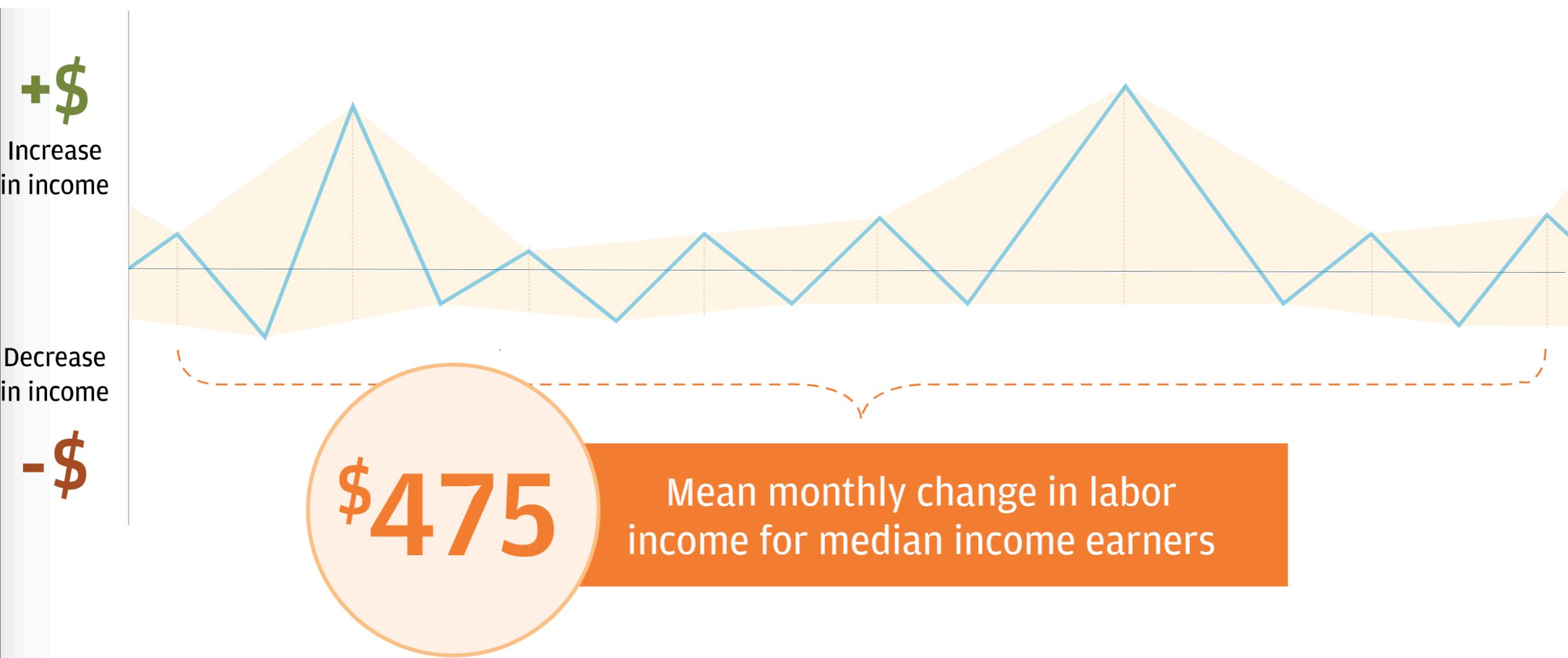
60%

People in the West

National Average 55%

Income Volatility Among U.S. Individuals

Median income individuals experienced nearly \$500 in labor income fluctuations across months, with spikes in earnings larger but less frequent than dips.



Income Volatility Among U.S. Individuals

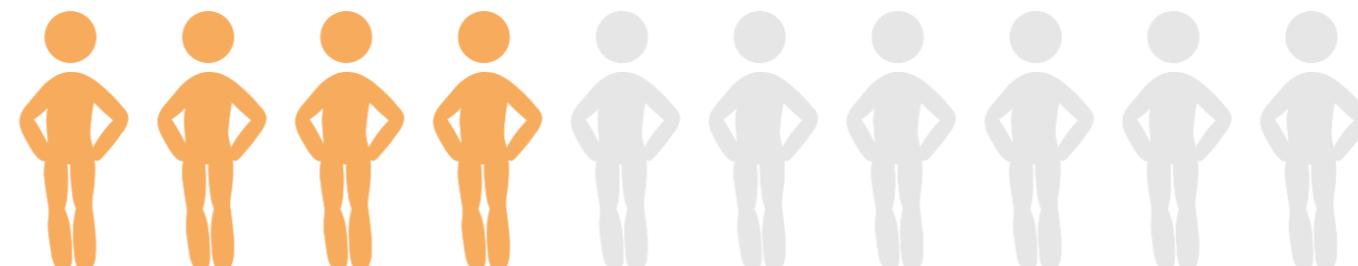
Sources of Monthly Changes in Labor Income

86% Variation in pay within distinct jobs

72% Variation in paycheck amount
(bonus, hours, etc.)

28%
Paycheck frequency
(five-Friday month)

14%
Job transitions



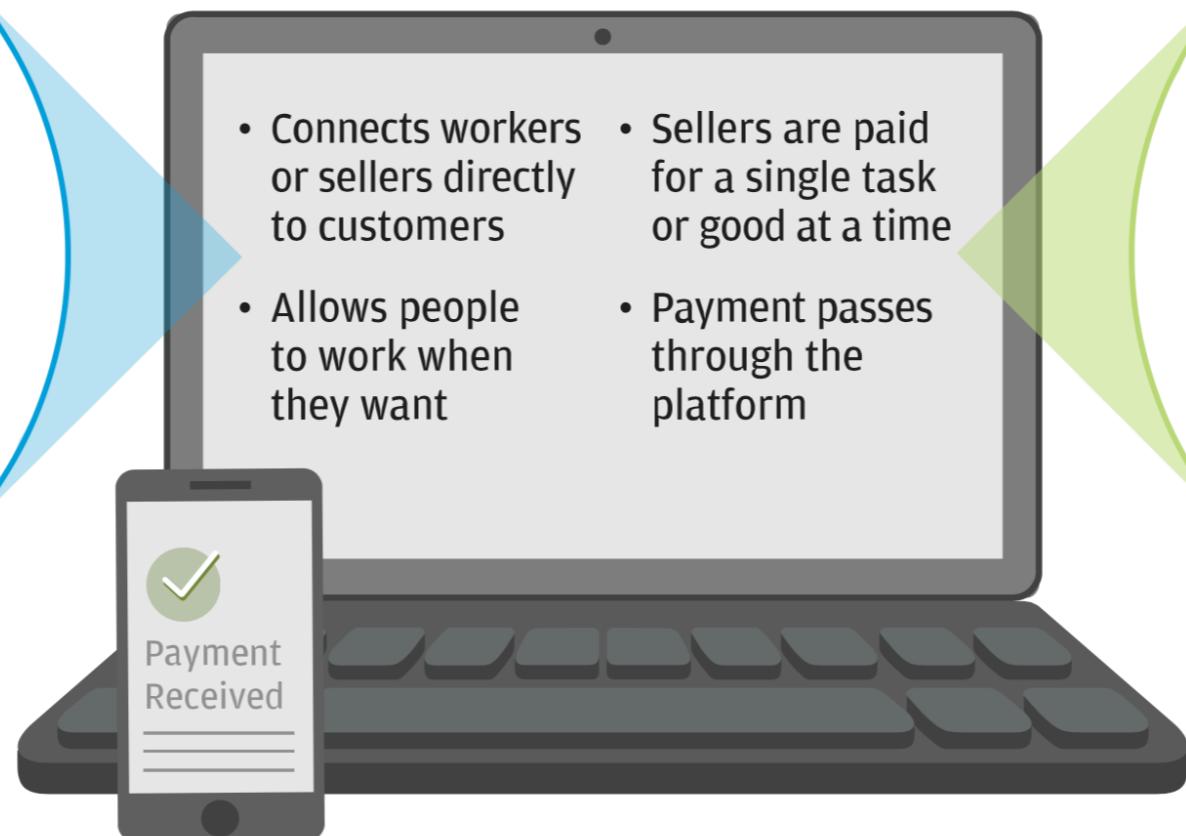
Median individuals experienced a \$1,108 change in monthly income when they gained or lost a job and \$830 when they switched jobs.

Almost four in 10 individuals experienced a job transition over the course of a year.

The Online Platform Economy



Online Platform Economy Attributes

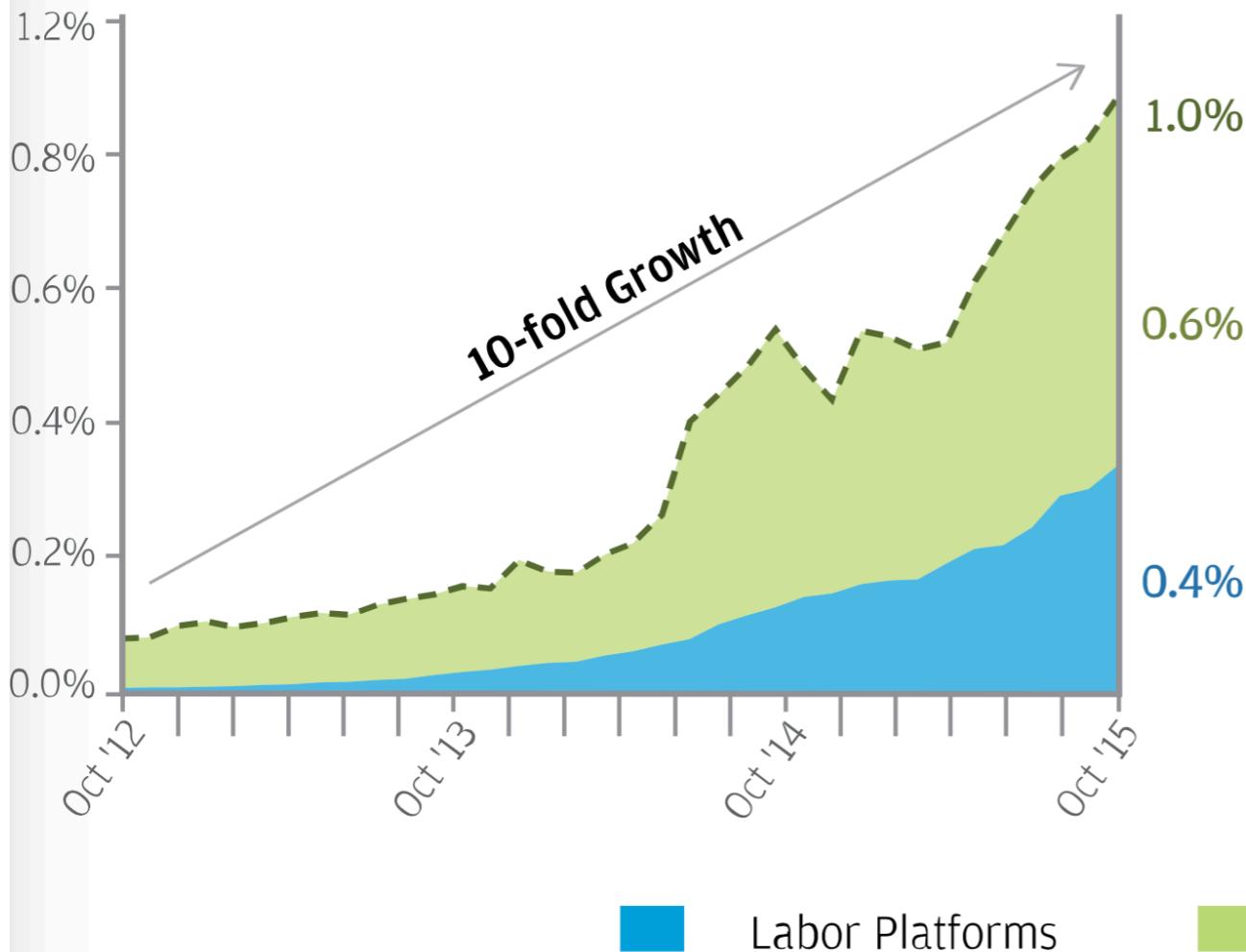


ebay
airbnb

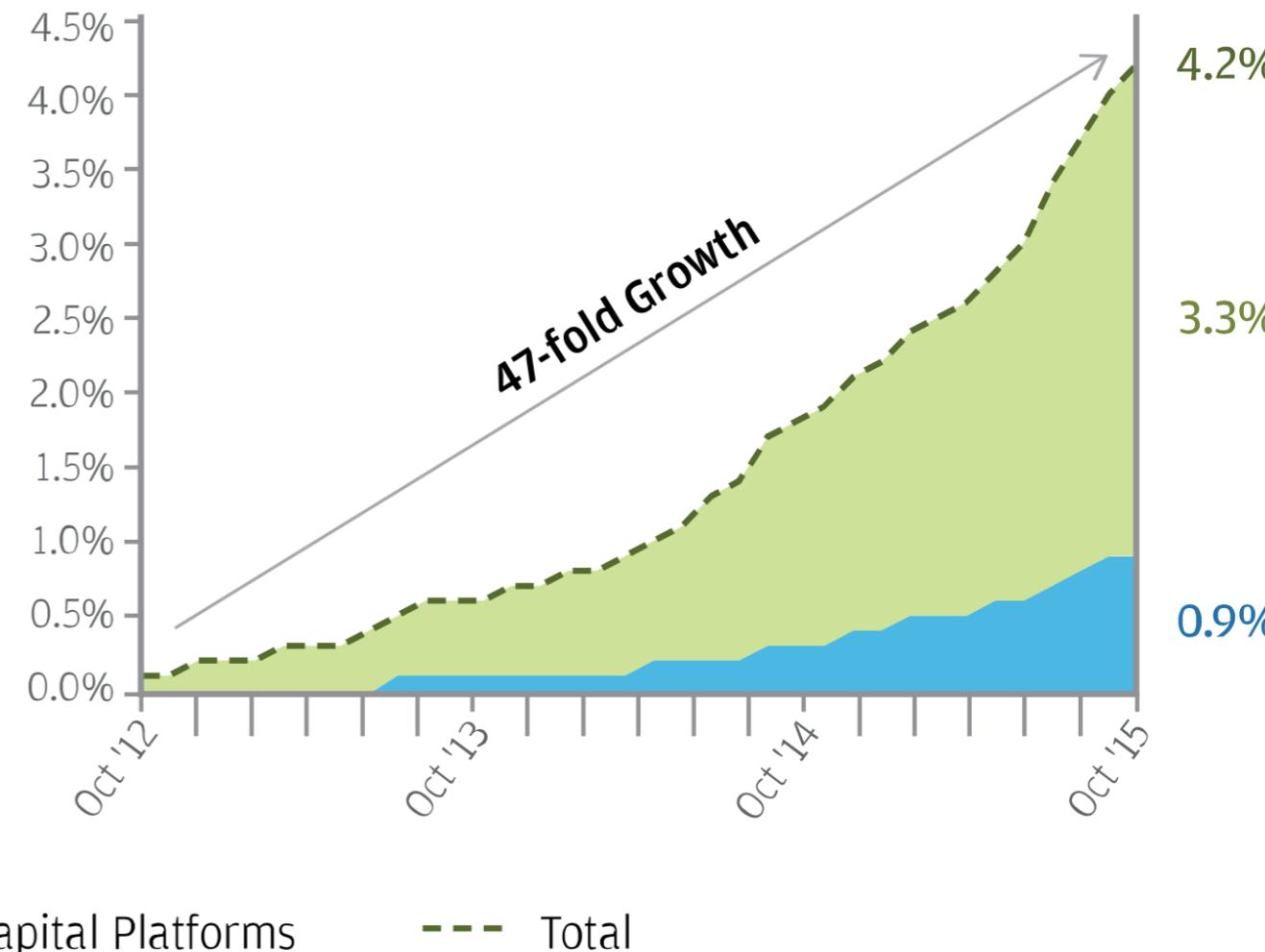
The Online Platform Economy

Although 1 percent of adults earned income from the Online Platform Economy in a given month, more than 4 percent participated over the three-year period.

Percentage of adults participating in the Online Platform Economy in each month

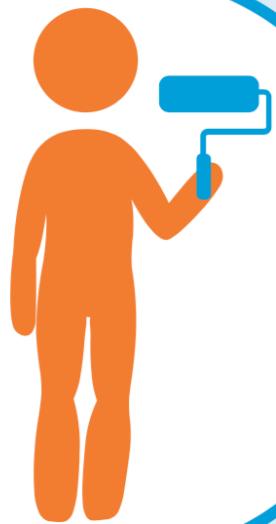


Cumulative percentage of adults who have ever participated in the Online Platform Economy



The Online Platform Economy

The Online Platform Economy was a secondary source of income, and participants did not increase their reliance on platform earnings over time.



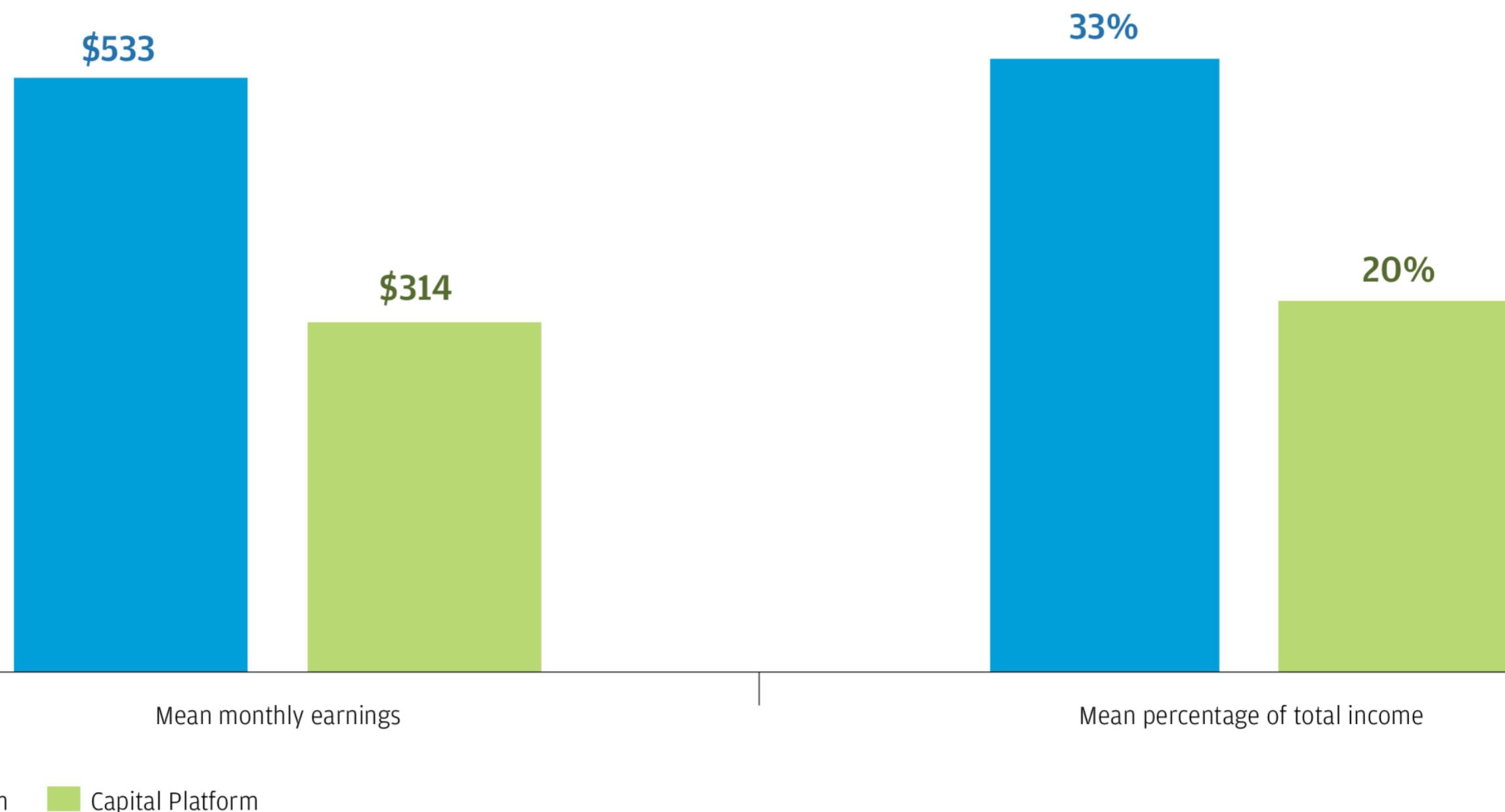
Labor platform participants were active 56% of the time. While active, platform earnings equated to 33% of total income.

Capital platform participants were active 32% of the time. While active, platform earnings equated to 20% of total income.



The Online Platform Economy

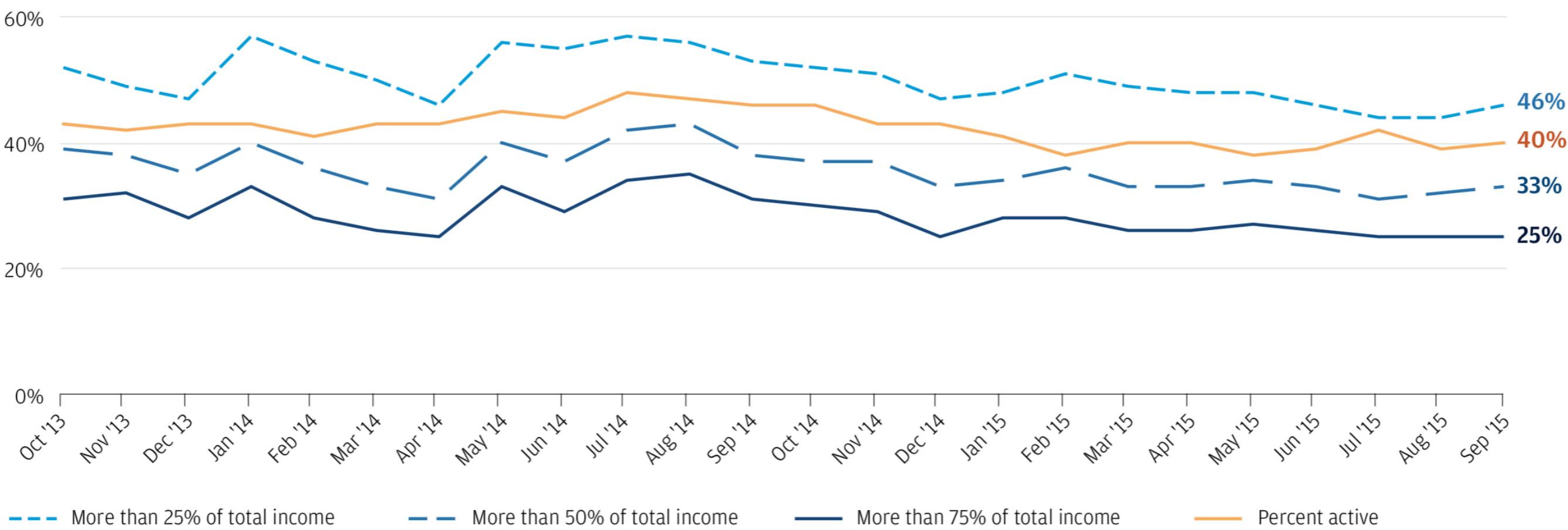
Monthly platform earnings in active months, in dollars and as a percentage of total income



The Online Platform Economy

Almost half of active labor participants (46%) relied on labor platforms for more than 25% of their income. In any given month, 40% of all individuals who participated in labor platforms were actively earning on them.

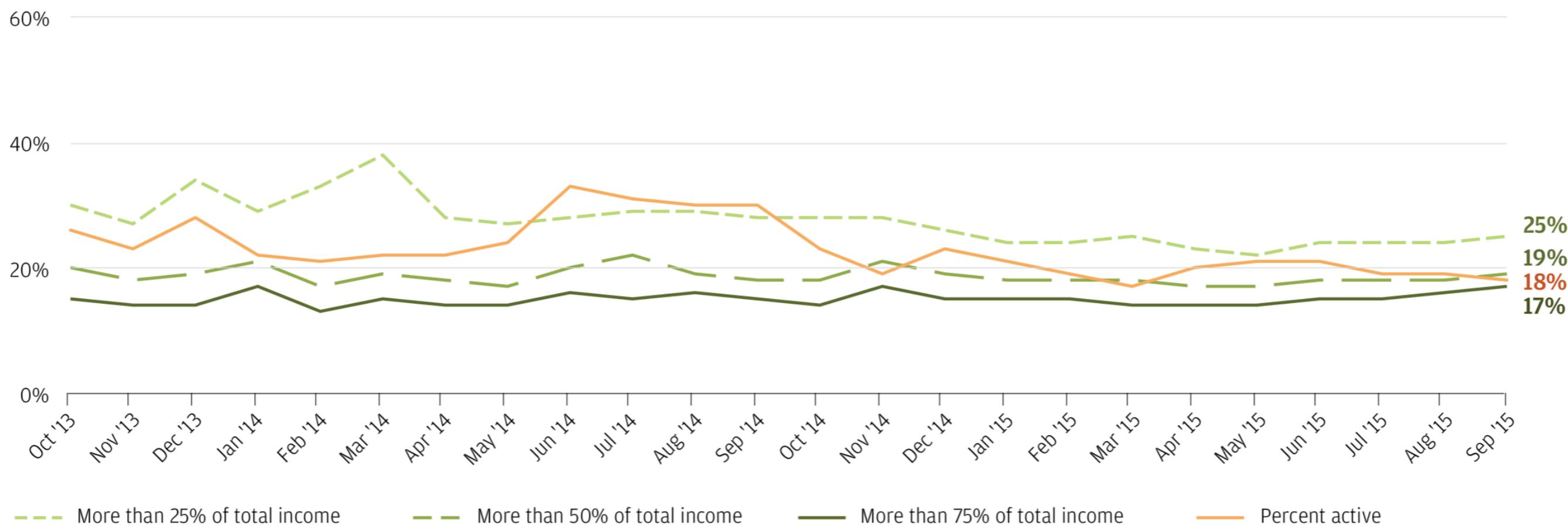
Reliance on, and active participation in, labor platforms



The Online Platform Economy

Reliance on capital platforms was significantly lower than on labor platforms. 25% of active participants relied on capital platforms for more than 25% of their income, including 17% of active participants who earned 75% or more of their total income from capital platforms.

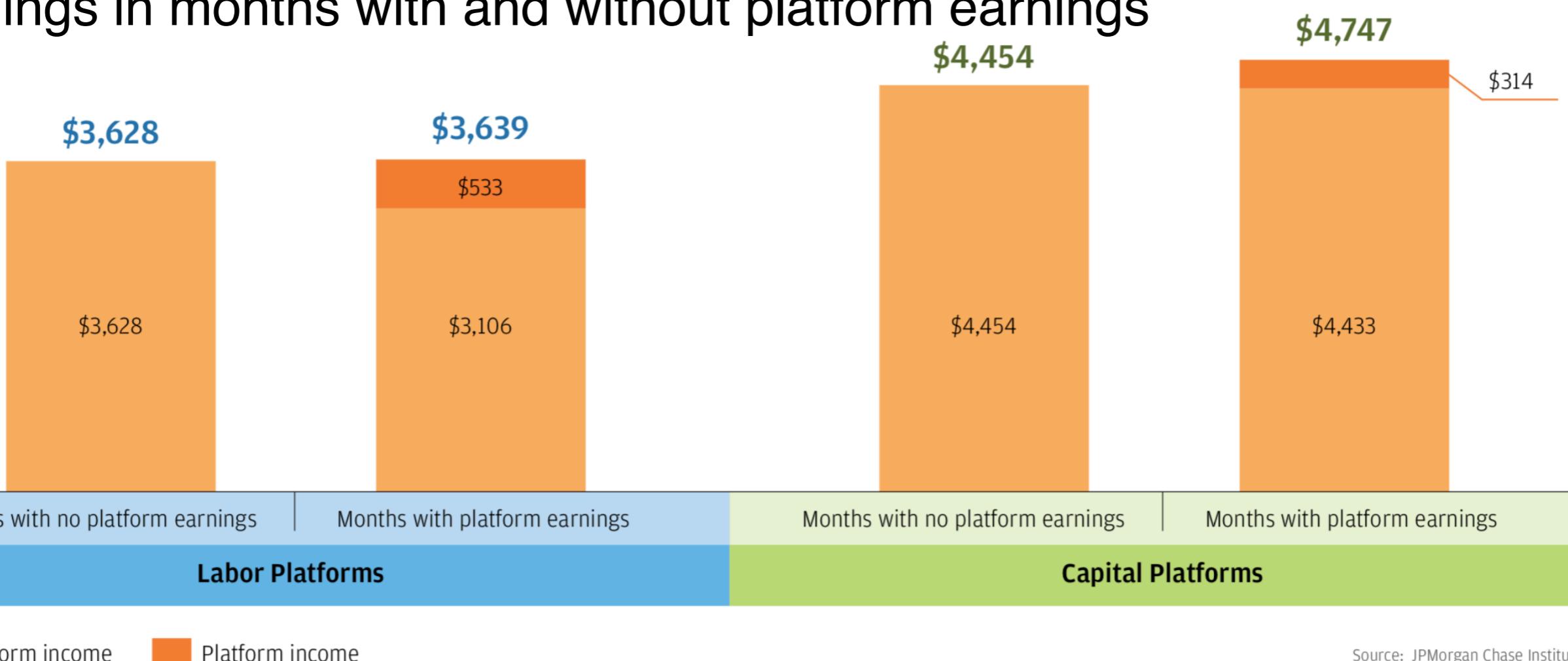
Reliance on, and active participation in, capital platforms



The Online Platform Economy

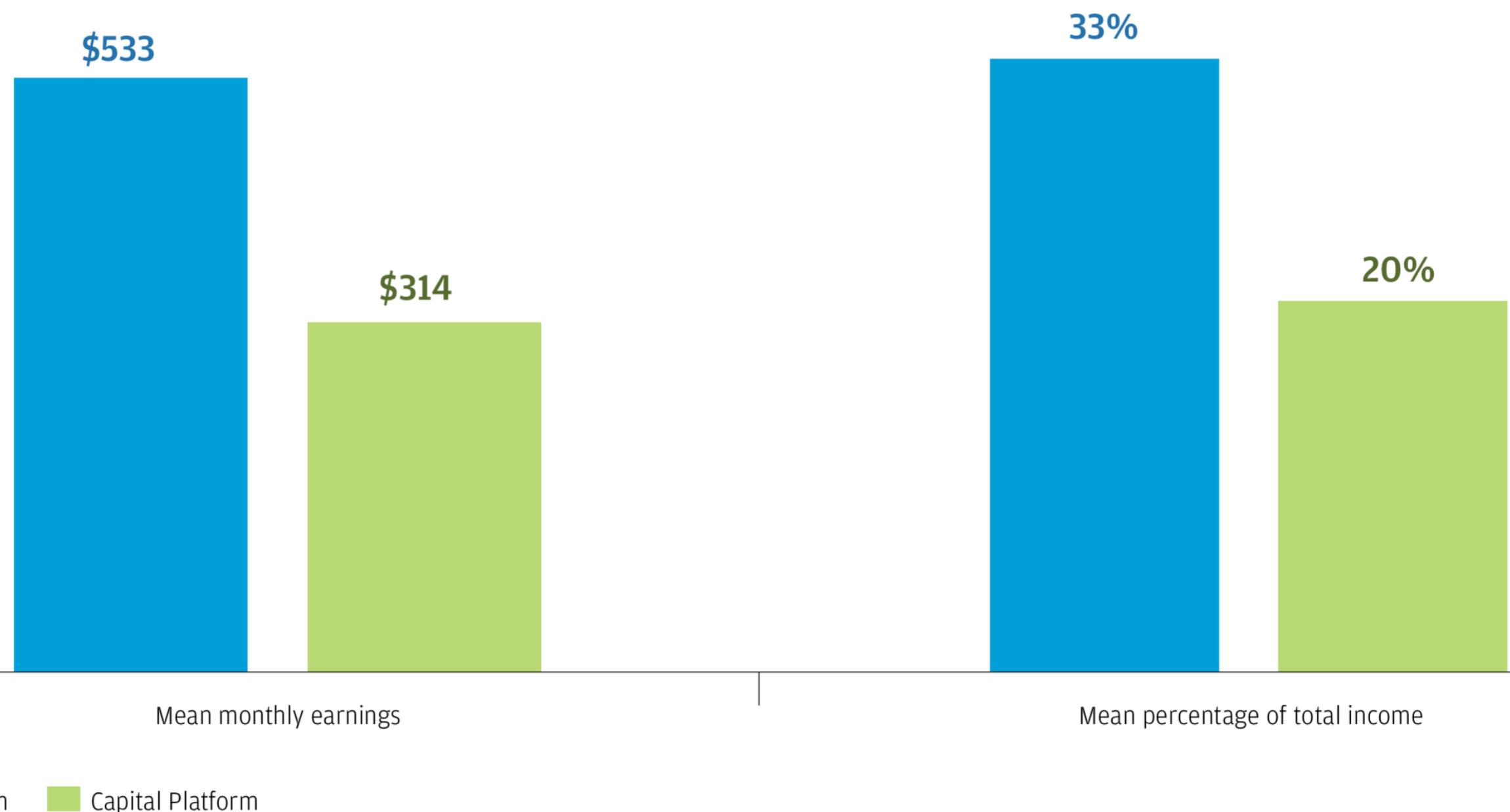
Earnings from labor platforms offset dips in non-platform income, but earnings from capital platforms supplemented non-platform income

Earnings in months with and without platform earnings



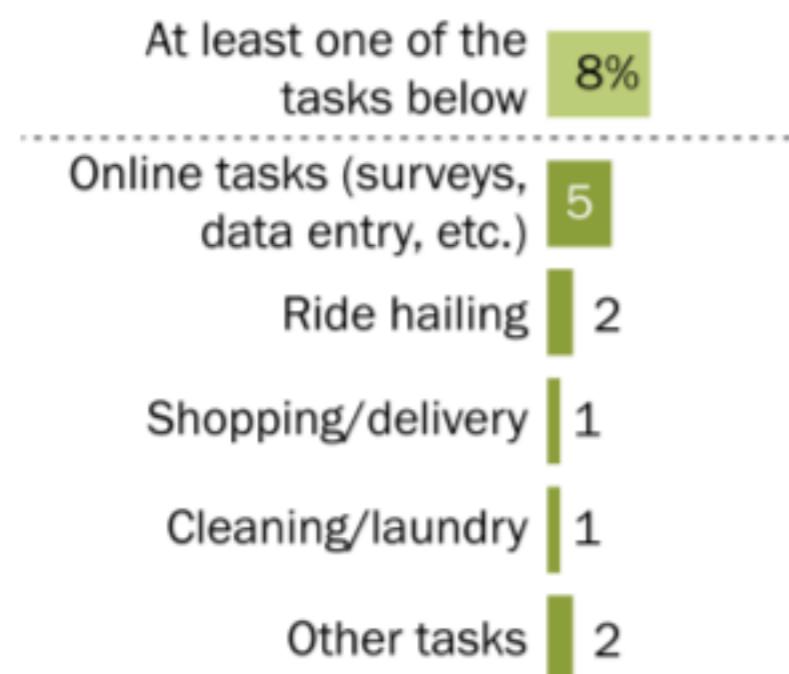
The Online Platform Economy

Monthly platform earnings in active months, in dollars and as a percentage of total income



24% of Americans earned money from the digital platform economy in 2016

*% of U.S. adults who earned
money from an **online job
platform** in the last year by
doing ...*



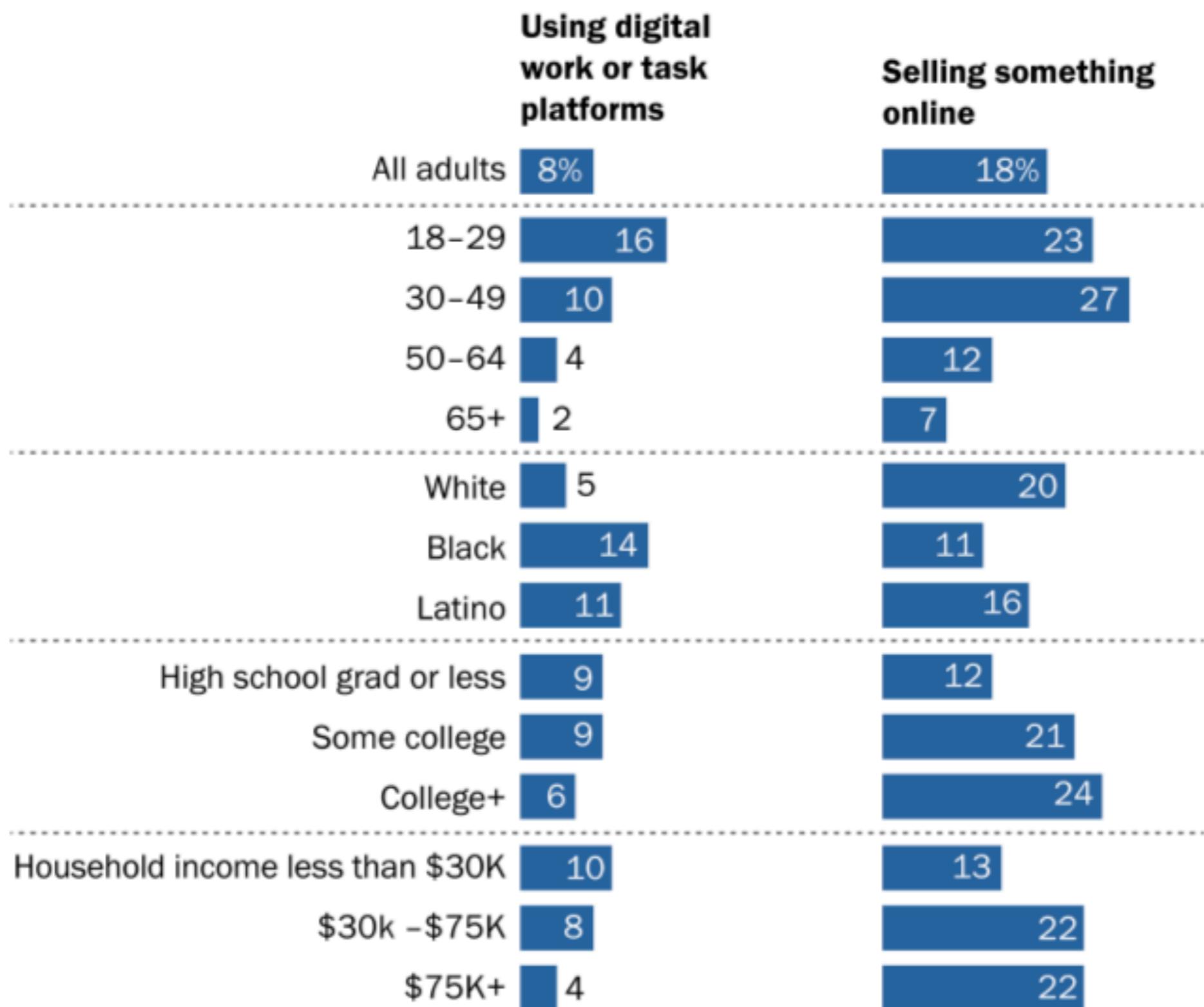
*% who earned money in the
last year by **selling __ online***



Source: Survey conducted July 12-Aug. 8, 2016.
“Gig Work, Online Selling and Home Sharing”

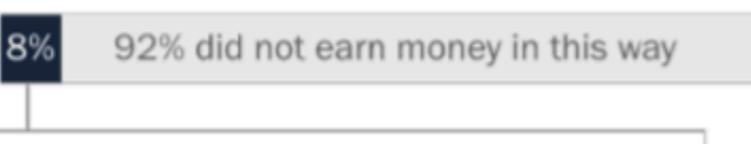
Gig work, online selling appeal to different segments of the population

% of U.S. adults in each group who have earned money in the last year by ...



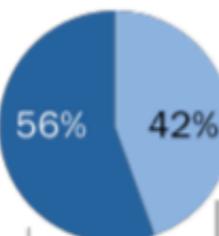
% of U.S. adults who ...

**Earned money in the last year
from online job platforms**



*Of that share, % saying
that income is ...*

**Essential or
important**

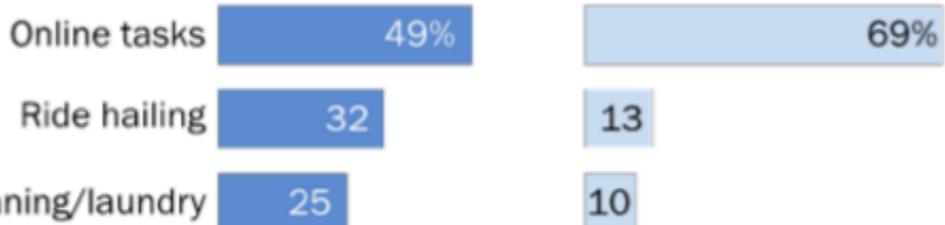


Nice to have

Among those who
say income is
essential or
important ...

Among those who
say income is nice
to have ...

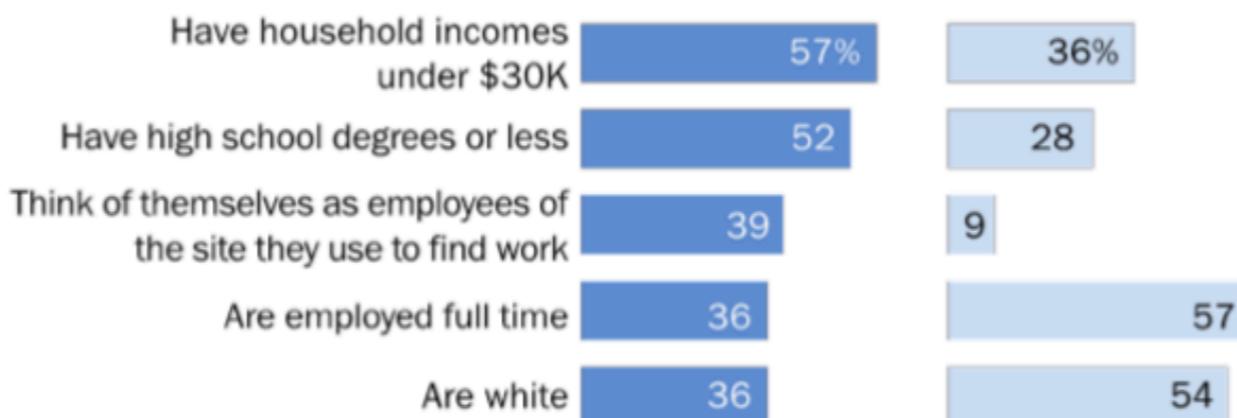
% who do ...



% who have these motivations



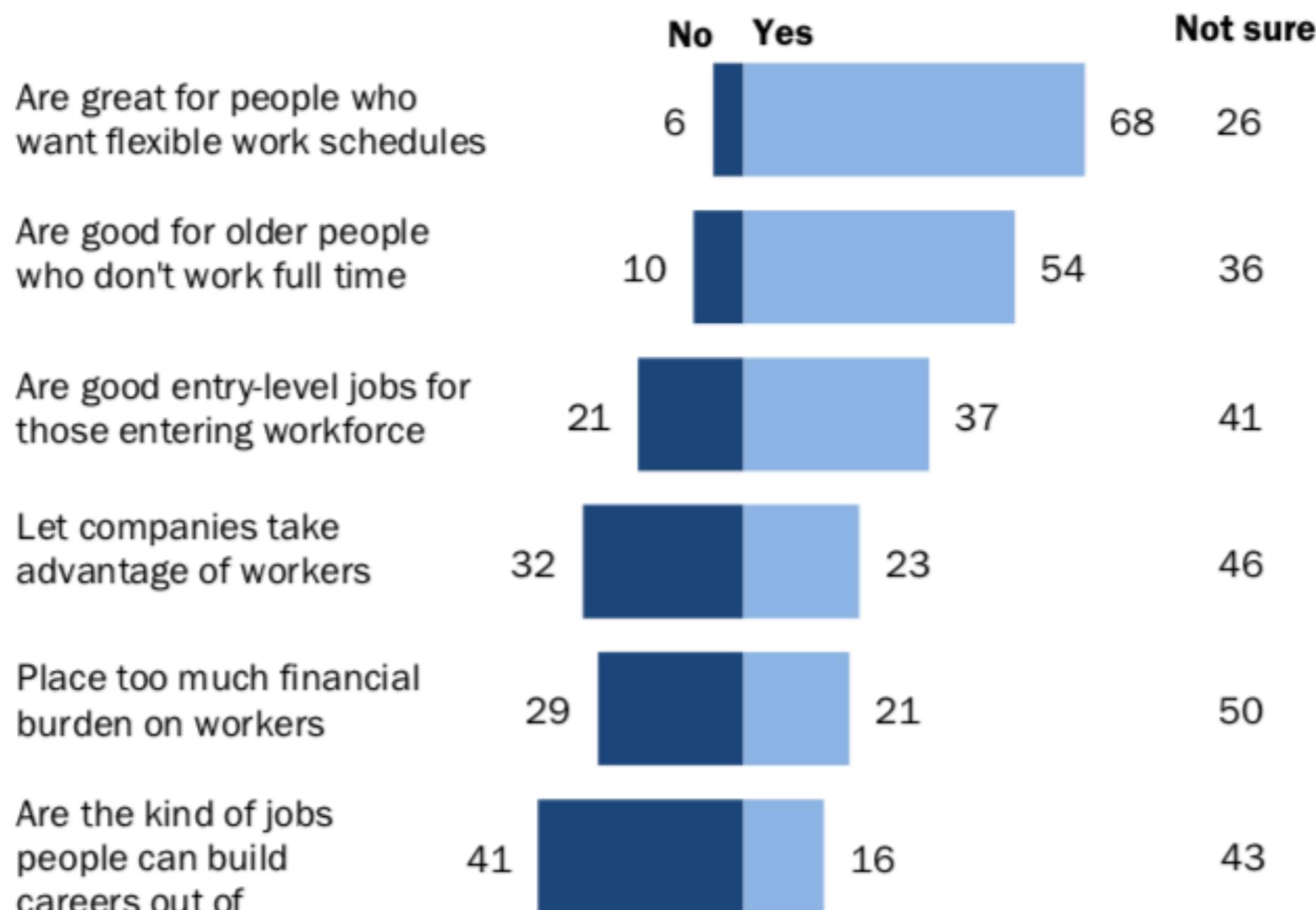
% who ...



Source: Pew Research Center

Americans express mixed views of the benefits of internet-enabled ‘gig work’

% of U.S. adults who say that these jobs ...



The Online Platform Economy

4.2% of adults in the 3 year JPMorgan study participated in the platform economy. It increased 47x from 2012-2015.

In 2016, Pew Research estimated that 24% of Americans earned money from the platform economy. 8% from a gig platform, and 18% from selling something online.

A key question concerns the nature of platform work and employment. Within a traditional employer-employee relationship, workers can usually expect benefits like access to unemployment insurance, employer contributions to Social Security, and worker's compensation, among others. Typically, no such "social contract" exists in the Online Platform Economy

U.S. Department of Labor
Wage and Hour Division
Washington, D.C. 20210



U.S. Wage and Hour Division



Misclassification of employees as independent contractors is found in an increasing number of workplaces in the United States, in part reflecting larger restructuring of business organizations. **When employers improperly classify employees as independent contractors, the employees may not receive important workplace protections such as the minimum wage, overtime compensation, unemployment insurance, and workers' compensation.** Misclassification also results in lower tax revenues for government and an uneven playing field for employers who properly classify their workers. Although independent contracting relationships can be advantageous for workers and businesses, some employees may be intentionally misclassified as a means to cut costs and avoid compliance with labor laws.

The Department of Labor's Wage and Hour Division (WHD) continues to receive numerous complaints from workers alleging misclassification, and the Department continues to bring successful enforcement actions against

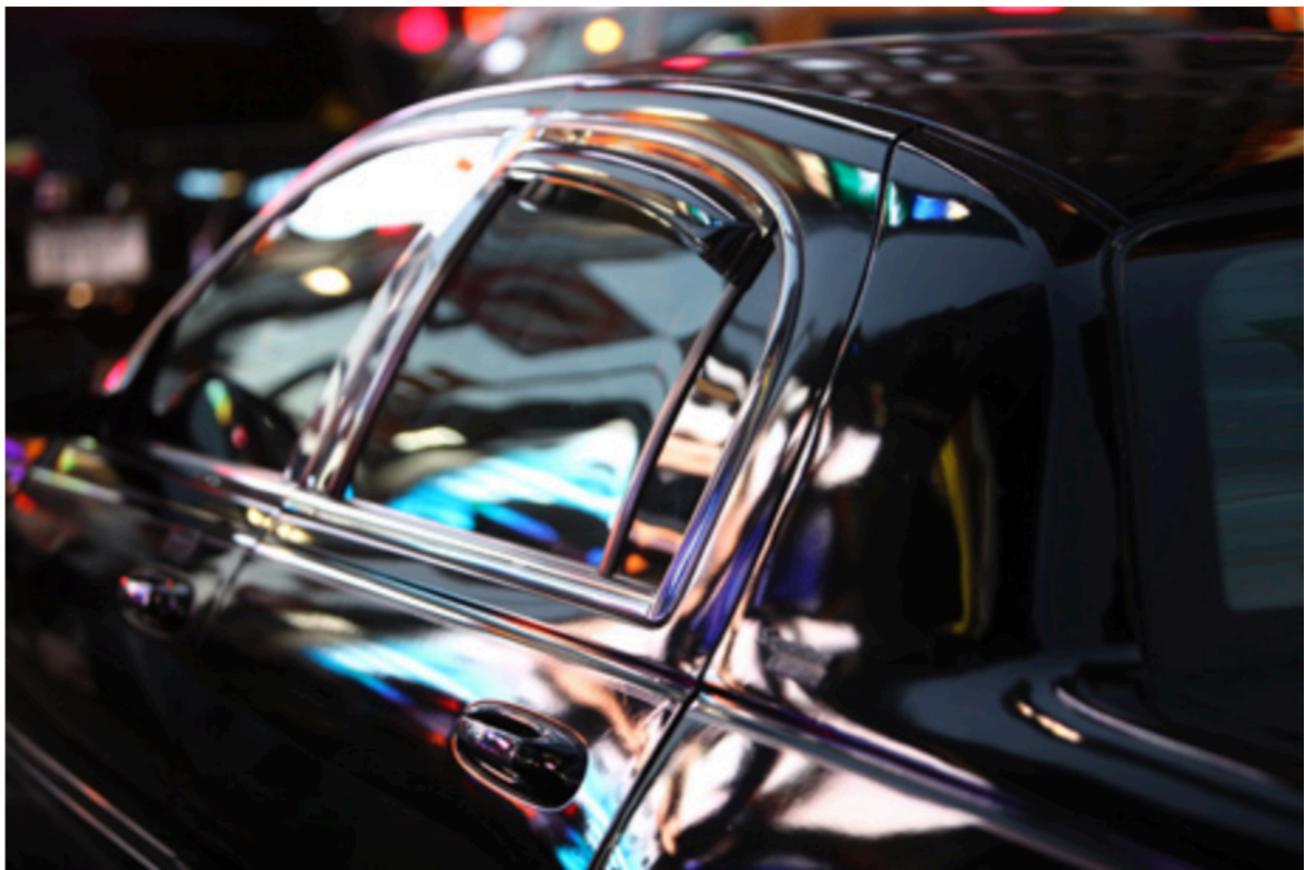
U B E R D R I V E R S

Read here about an important lawsuit brought by Uber drivers to recover the tips they should have received and reimbursement for expenses

Uber drivers have filed a class action lawsuit claiming they have been misclassified as independent contractors and are entitled to be reimbursed for their expenses that Uber should have to pay, like for gas and vehicle maintenance. The lawsuit also challenges Uber's former practice of telling passengers that the gratuity is included and not to tip the drivers, even though (until 2017) you were not getting a tip!!

LATEST NEWS:

In September 2018, the Ninth Circuit Court of Appeals reversed the District Court's decision which had certified a class of most Uber drivers in California and had declared Uber's arbitration clause to be unenforceable. As a result of the Ninth Circuit's decision, all Uber drivers who are covered by an arbitration clause cannot be part of the lawsuit in court but instead can only pursue their claims through individual arbitration. (We expect our court case will continue to include drivers who are not bound by Uber's arbitration clause.) We are pursuing arbitrations for thousands of Uber drivers. If you are signed up with us to pursue an arbitration if it became necessary, please watch your emails for any updates from us related to your arbitration.



In order to join our contact list of drivers interested in the case who want to receive updates, please email us at uberlawsuit@llrlaw.com and tell us your name, email address, and location where you have driven for Uber.

The attorneys representing the drivers are:

U B E R D R I V E R S

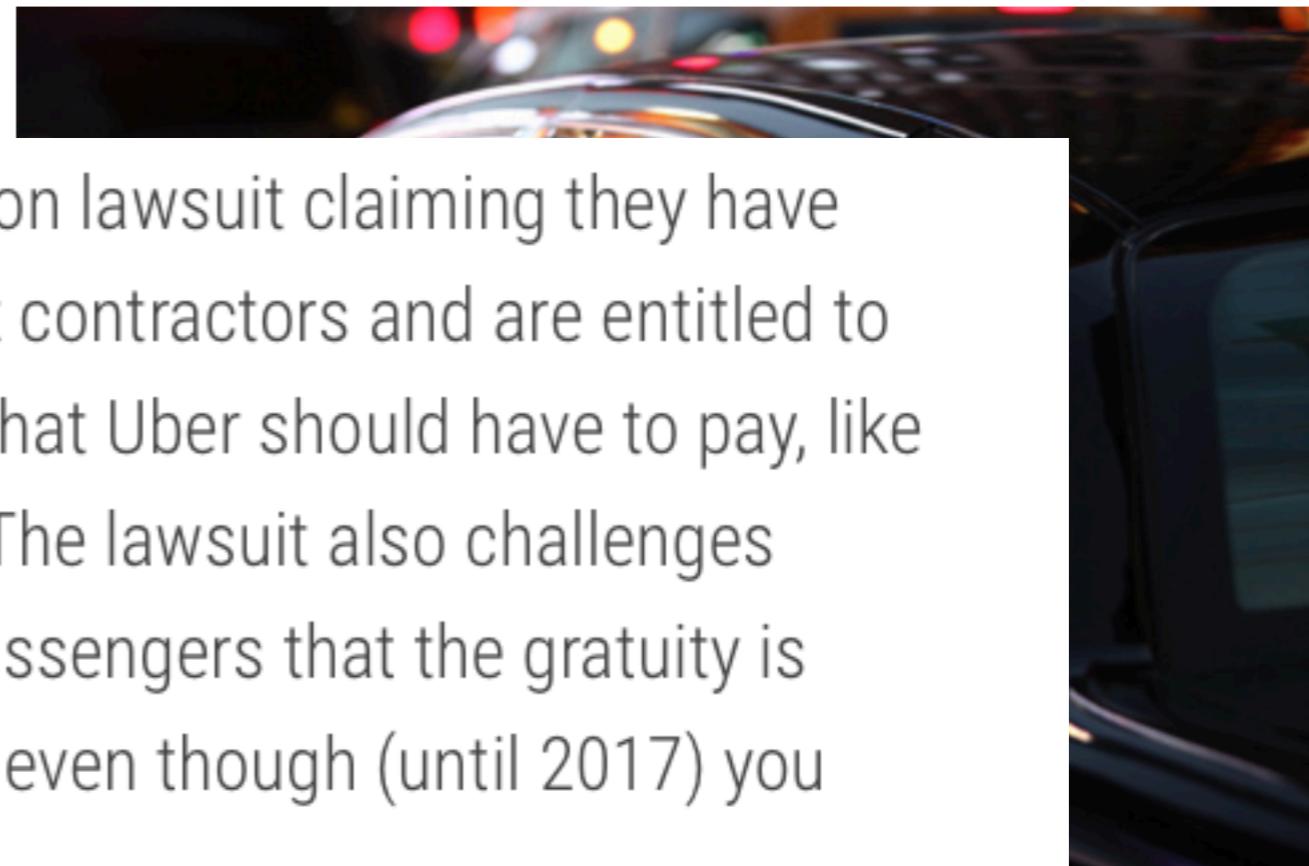
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LATEST NEWS:

In September 2017, the District Court's decision to certify the class of drivers in California as a class was upheld as **unenforceable**. A driver who is covered by arbitration will instead go to court but instead

arbitration. (We expect our court case will continue to include drivers who are not bound by Uber's arbitration clause.) We are pursuing arbitrations for thousands of Uber drivers. If you are signed up with us to pursue an arbitration if it became necessary, please watch your emails for any updates from us related to your arbitration.



If you **want to receive updates**, please email us at uberlawsuit@llrlaw.com and tell us your name, email address, and location where you have driven for Uber.

The attorneys representing the drivers are:

case who

IN THE SUPREME COURT OF CALIFORNIA

DYNAMEX OPERATIONS WEST, INC.,)
Petitioner,)
v.) S222732
THE SUPERIOR COURT OF) Ct.App. 2/7 B249546
LOS ANGELES COUNTY,) Los Angeles County
Respondent;) Super Ct. No. BC332016
CHARLES LEE et al.,)
Real Parties in Interest.)

Under both California and federal law, the question whether an individual worker should properly be classified as an employee or, instead, as an independent contractor has considerable significance for workers, businesses, and the public generally.¹ On the one hand, if a worker should properly be classified as an employee, the hiring business bears the responsibility of paying federal Social Security and payroll taxes, unemployment insurance taxes and state employment taxes, providing worker's compensation insurance, and, most relevant for the

present case, complying with numerous state and federal statutes and regulations governing the wages, hours, and working conditions of employees. The worker then obtains the protection of the applicable labor laws and regulations. On the other hand, if a worker should properly be classified as an independent contractor, the business does not bear any of those costs or responsibilities, the worker receives none of the numerous labor law benefits, and the public may be required under applicable laws to assume additional financial burdens with respect to such workers and their families.

Although in some circumstances classification as an independent contractor may be advantageous to workers as well as to businesses, the risk that workers who should be treated as employees may be improperly misclassified as independent contractors is significant in light of the potentially substantial economic incentives that a business may have in mischaracterizing some workers as independent contractors. Such incentives include the unfair competitive advantage the business may obtain over competitors that properly classify some workers as employees and that thereby assume the fiscal and other responsibilities and burdens that an employer owes to its employees. In recent years, the regulatory agencies of both the federal and state governments have declared that the misclassification of workers as independent contractors rather than employees is a very serious problem, depriving federal and state governments of billions of dollars in tax revenue and millions of workers of the labor law protections to which they are entitled.²

¹ See United States Department of Labor, *Commission on the Future of Worker-Management Relations* (1994) page 64 [“The single most important factor in determining which workers are covered by employment and labor statutes is the way the line is drawn between employees and independent contractors”] <https://digitalcommons.ilr.cornell.edu/key_workplace/2/> (as of Apr. 30, 2018).

² See United States Department of Labor, Wage & Hour Division, *Misclassification of Employees as Independent Contractors* <<https://www.dol.gov/whd/workers/misclassification/>> (as of Apr. 30, 2018); California Department of Industrial Relations, *Worker Misclassification* <http://www.dir.ca.gov/dlse/worker_misclassification.html> (as of Apr. 30,

like independent plumbers or electricians, who have traditionally been viewed as *genuine* independent contractors who are working only in their own independent business.

For the reasons explained hereafter, we conclude that in determining whether, under the suffer or permit to work definition, a worker is properly considered the type of independent contractor to whom the wage order does not apply, it is appropriate to look to a standard, commonly referred to as the “ABC” test, that is utilized in other jurisdictions in a variety of contexts to distinguish employees from independent contractors. Under this test, a worker is properly considered an independent contractor to whom a wage order does not apply only if the hiring entity establishes: (A) that the worker is free from the control and direction of the hirer in connection with the performance of the work, both under the contract for the performance of such work and in fact; (B) that the worker performs work that is outside the usual course of the hiring entity’s business; and (C) that the worker is customarily engaged in an independently established trade, occupation, or business of the same nature as the work performed for the hiring entity.