



Discover. Learn.  
Analyse. Shape.  
Repeat.

BE MORE DATAWISE

#DatawiseLondon



# Reflect & repeat

## **10:00 Check in**

- ✓ Data workflow exercise
- ✓ Taking this idea forward in future hunches / goals

## **11:00 Break**

- ✓ Cohort programme recap – what have we covered?
- ✓ Equalities data
- ✓ Building a data culture in your organisation

## **12:30 Lunch**

- ✓ Free time – working on your hunches, goals or presentation
- ✓ Data & ethical considerations

## **2:45 Check out & next steps**

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# Datawise London Cohort Programme

## Discover

Session 1 & 2

I have a better understanding of where our organisation is now and where we want to be

## Learn

Session 3&4

I know what tools can help me collect & analyse data

I have the improved skills to better collect, use and analyse data

## Analyse

Session 5 & 6

I am able to access & use external data sources

I can analyse and share my findings

## Shape

Session 7

I have Identified what needs to be done and the steps to get there

## Repeat

Session 8

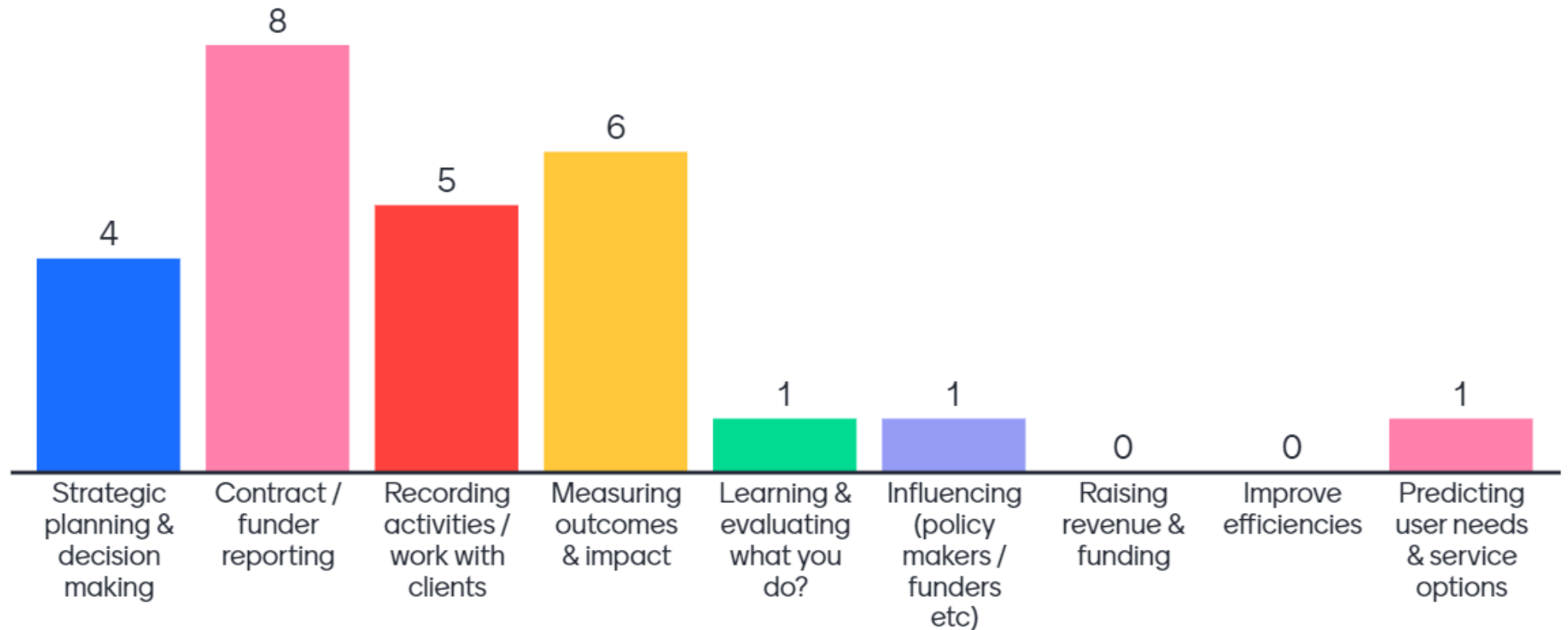
I feel confident to do this all over again alone!



What's the first word that springs to mind when you think of data?



# What do you use the data you collect for? Pick your top 3...





# Data workflows exercise

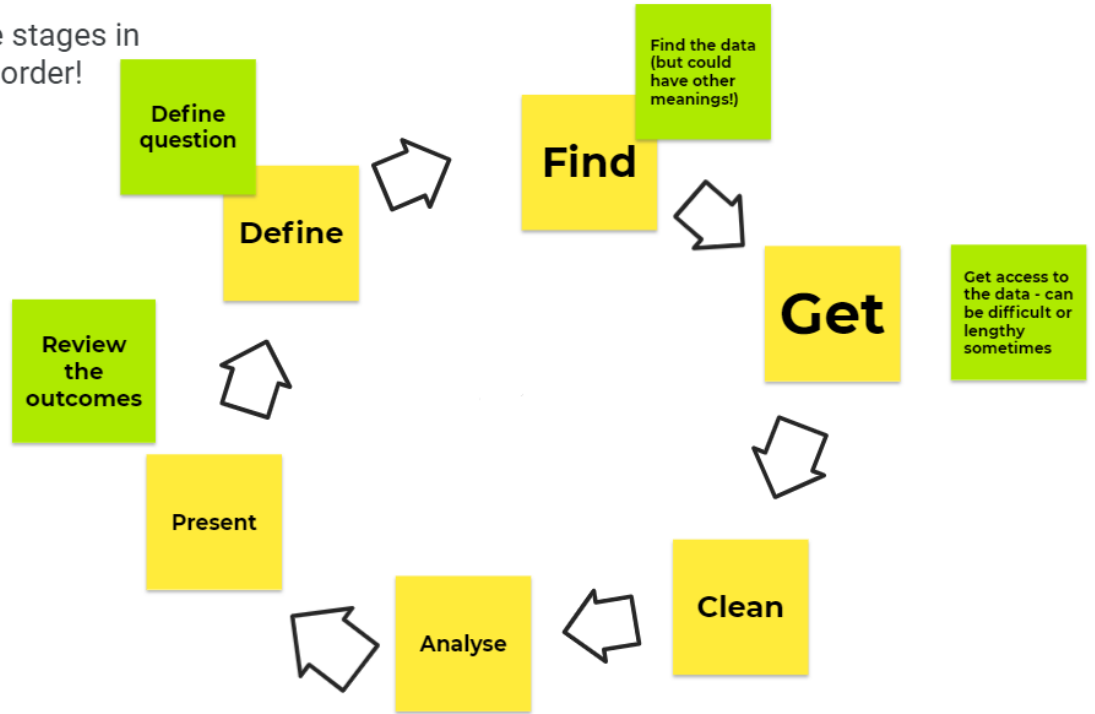


# Data workflow exercise

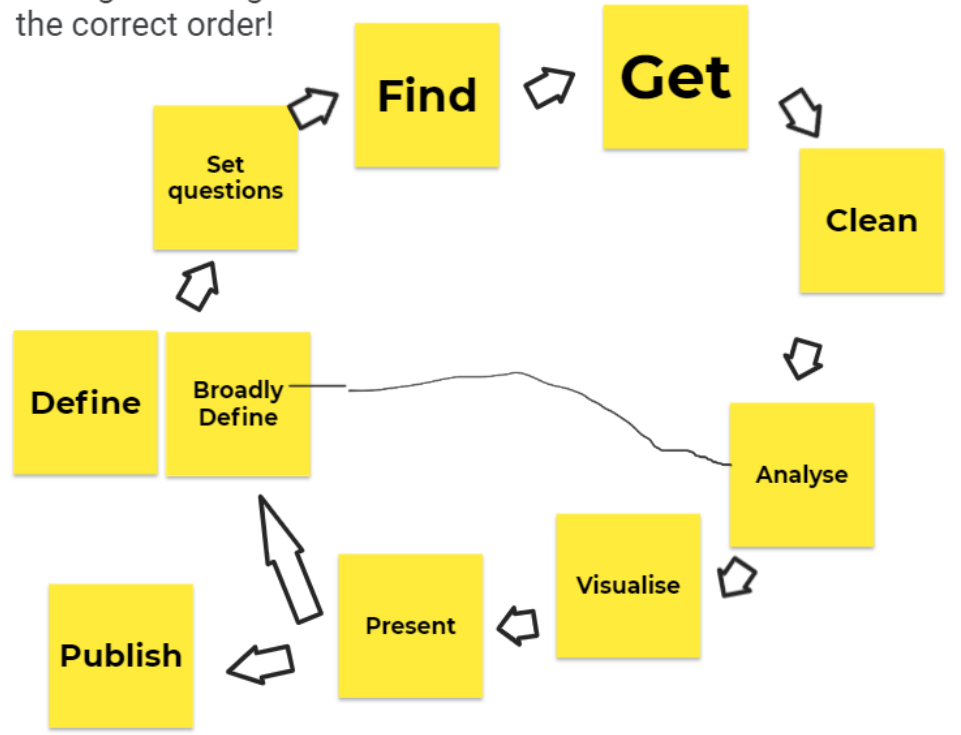
- ✓ We'll go to a Jamboard where you'll find a series of sticky notes
- ✓ Work together to put these in an order
- ✓ Once you have a basic order – start to think about how this may work in practice – are there tweaks to the order to make?
- ✓ What's missing? Add in anything else you think should be included in the work flow
- ✓ Then we'll share back



Arrange the stages in the correct order!

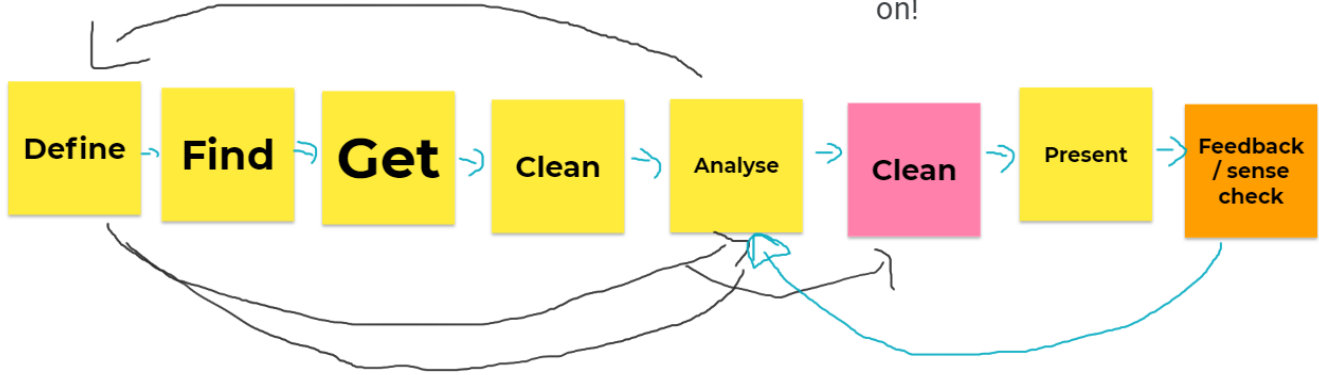


Arrange the stages in the correct order!



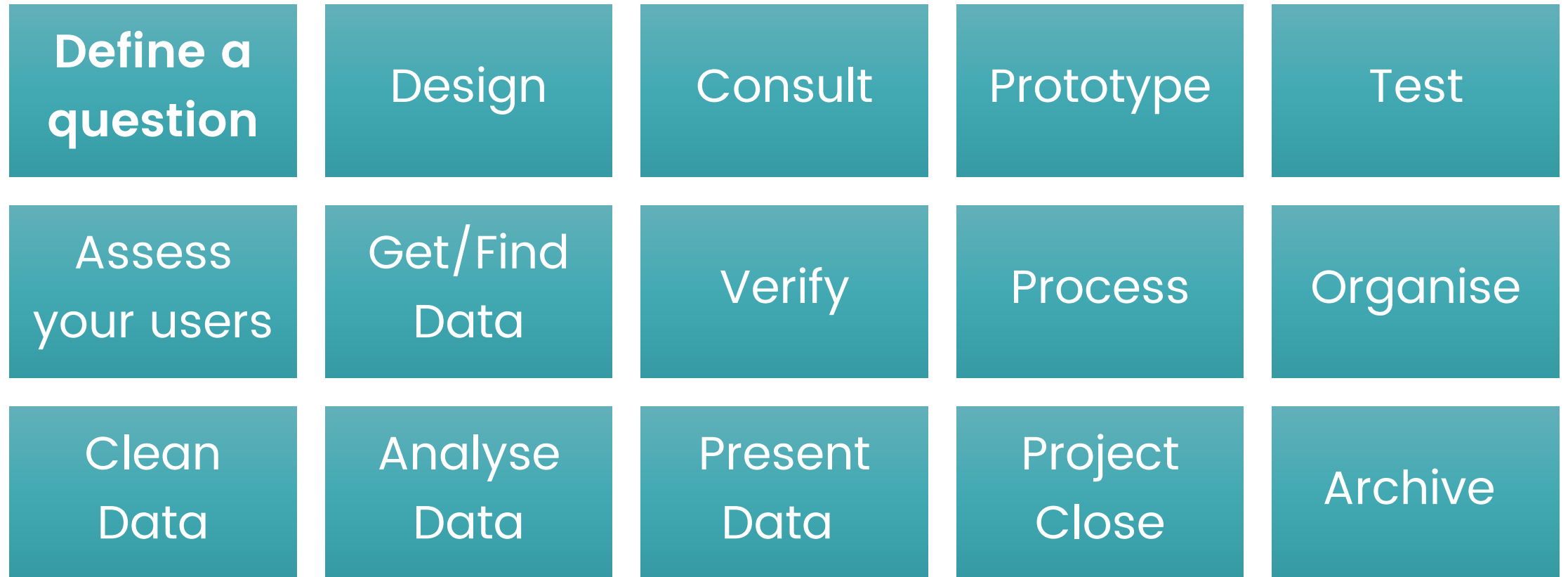
Arrange the stages in the correct order!

Basically some feedback loops going on!





# Detailed Pipeline



**How can you incorporate this into your Repeat?**



# Break

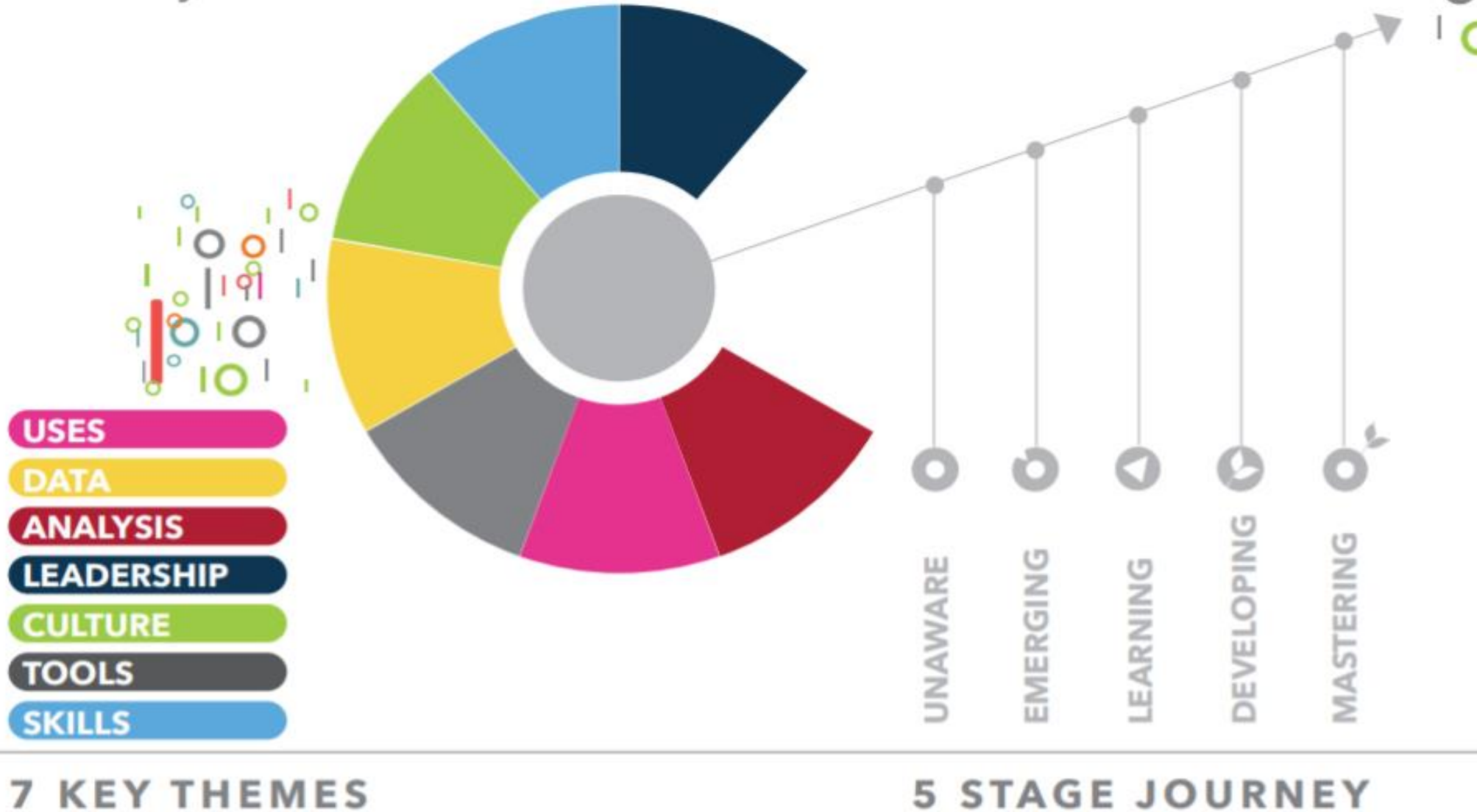




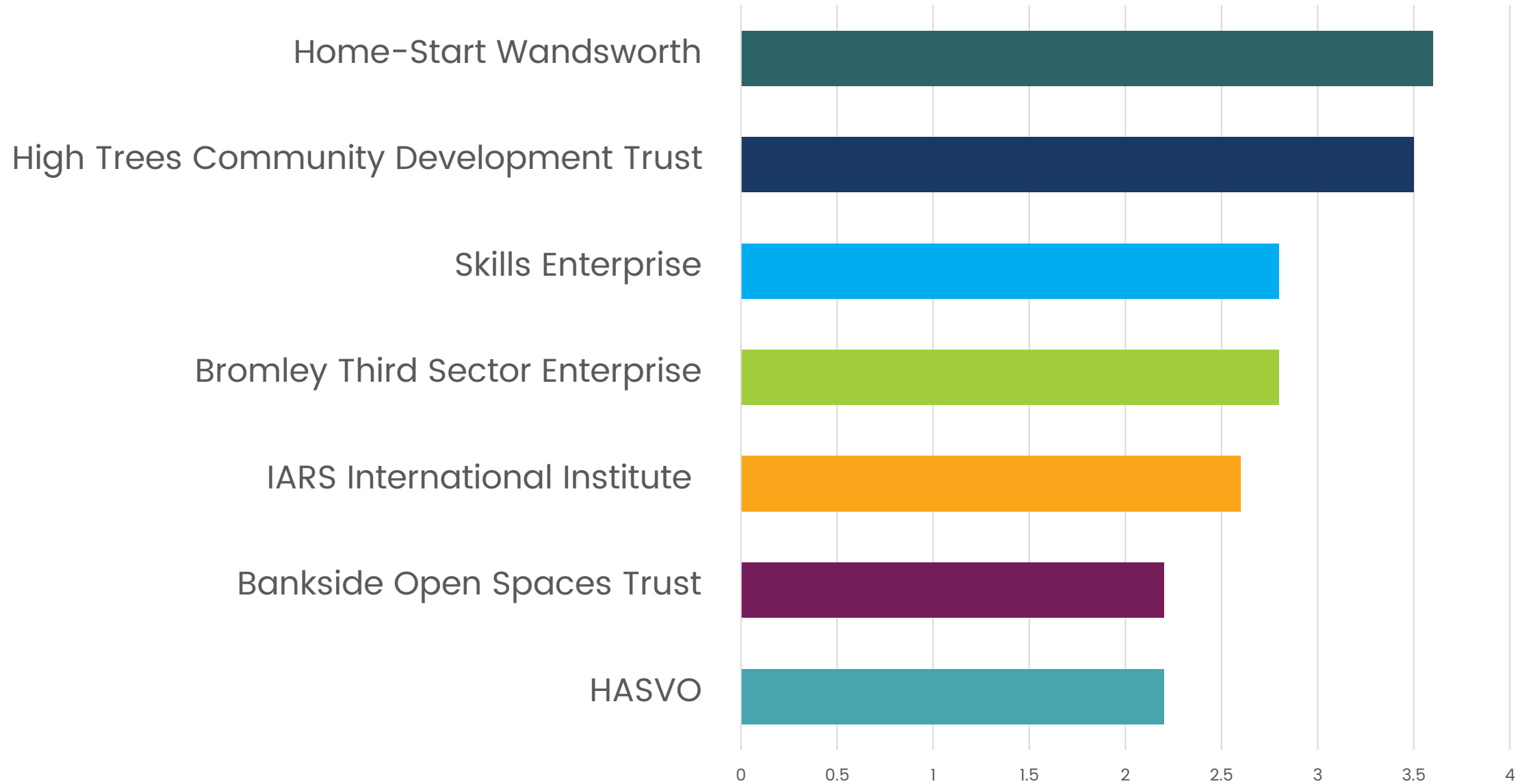
# A recap of the cohort programme



# The Data Maturity Framework



# Overall data maturity baseline score (self-scored)



# Data Maturity Assessment results

Areas which organisations flagged as their **strongest** areas:

Uses



5 out of 7

Culture



5 out of 7

Leadership



4 out of 7

Data



4 out of 7



# Data Maturity Assessment results

Areas which organisations flagged as their **weakest** areas:





# Datawise London Cohort Programme Recap

## Discover Session 1 & 2

I have a better understanding of where our organisation is now and where we want to be

## Learn Session 3&4

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## Analyse Session 5 & 6

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I can analyse and share my findings

## Shape Session 7

I have Identified what needs to be done and the steps to get there

## Repeat Session 8

I feel confident to do this all over again alone!



## Topics

- Meet the partners
- Introduction to the Theory of Change & Evaluation Frameworks  
*Delivered by: Lindsay Hodgson, Catch Impact*
- Different types of data  
Data stakeholders
- Capturing requirements
- Data Maturity Framework & Assessment  
*Delivered by Sian Basker, Data Orchard*

## Methodologies

- Types of data matrix (User, Engagement, Service, Outcome)
- Data stakeholder mapping
- User stories

## Tools

- Jamboard
- Google Slides
- Mentimeter



## Topics

- Data Maturity Assessment Review  
Delivered by Sian Basker, Data Orchard
- Data frequency
- Defining Hunches
- Group Troika on hunches

## Methodologies

- Troika  
Peer to peer problem solving
- High/Low frequency data mapping  
To help you decide which types of data you should be collecting/storing

## Tools

- Google sheets
- Makerble

## Topics

- Theory of change  
Including universal outcomes for multiple projects/workstreams  
*Delivered by Antonia Coalition for Efficiency*
- Revisit & share hunches
- Data Audit
- Introduction to open data sources
- London data Store  
*Delivered by Hannah Goulding, GLA*
- Case study on external data use to investigate a hunch

## Methodologies

## Tools



## Topics

- Revisiting Hunches for External data exploration
- External data source quiz
  - London Datastore
  - London Poverty Profile
- Mapping data
- Best practice when working with external data

## Methodologies

## Tools

- Batch Geo
- Google Maps

## Topics

- Recap on external open data sources
- **External data sources** exploration sessions
- Systems mapping

## Methodologies

## Tools

- Lucid chart

## Topics

- Intro to Data visualisation  
*Delivered by Dulcie Vousden, Datakind UK*
- Identifying your audience & framing your take home message
- Accessibility
- Types of visualisation, colours, charts
- Common pitfalls
- Data visualisation **tools**

## Methodologies

## Tools

- **Canva**
- **Data Wrapper**

## Topics

- Problem solving
- Systems & journey mapping

## Methodologies

- Problem & Objective (Solution) Trees

## Tools

- Lucid chart



## Topics

- **Data Workflows**
- **Equalities Data**
- **Building a Data Culture**
- **Data Ethics**

## Methodologies

- **Data Workflow Jamboard**

## Tools

- **Padlet**

# All session resources

These are available:

- ✓ Via the Makerble platform
- ✓ Our [DWL Cohort page](#) on Elink.io (work in progress)
- ✓ Our [Datawise London](#) website



# Tools





# Equalities data

BONNIE CHIU

CHRISTINE GOODALL (VIA YOUTUBE!)



# I am me: Equalities data for all

- ✓ We all collect equalities data about members, service users, beneficiaries, staff, or volunteers?
- ✓ It may be required by funders, through contracts, as part of recruitment processes, or to identify need or gaps in service provision
- ✓ But how do we ensure that this isn't just a tick box exercise?
- ✓ How can we capture the identities of the real people we interact with?





# I am me: Equalities data for all

- ✓ Here's a link to the Diversity Equity and Inclusion Data Standard <https://www.funderscollaborativehub.org.uk/dei-data-standard> that Bonnie spoke about
- ✓ It includes:
  - ✓ Background information about this work
  - ✓ Further information about the shared framework (classification, language and approach) aiming to categorise organisations either led by, or targeting and supporting groups experiencing structural inequity
  - ✓ The DEI Data Standard Version 1 approved in Jan 2021
- ✓ Here also is a blog on [Standards for the collection of equalities data: Disability and Impairment](#)






# Building a data culture





 Datawise London • 14m

# Building a Data Culture

What are the challenges of making data informed decisions or change? How can we overcome them (in comments).

<https://padlet.com/BeMoreDatawise/k5bddozv2pve0zos>



# Lunch





# Data & Ethics

TRACEY GYATENG



# Ethical use of data & technology

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Tracey Gyateng @tgyateng

Just because you can,  
doesn't mean you should

# Beyond data protection

## Just because you can:

- Data Protection Act 2018 enshrined GDPR into UK law
  - controls how personal information is used by organisations, businesses or the government
- Privacy and Electronic Communications Regulations
  - Controls how organisations, businesses, governments can electronically communicate with people

# Beyond data protection

## Doesn't mean you should



[Dolly the sheep: 15 years after her death, cloning still has the power to shock | The Independent](#)

[China jails 'gene-edited babies' scientist for three years](#)

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### China jails 'gene-edited babies' scientist for three years

30 December 2019



**A scientist in China who said he had created the world's first gene-edited babies has been jailed for three years.**

He Jiankui was convicted of violating a government ban by carrying out his own experiments on human embryos, to try to give them protection against HIV.

He was globally condemned when he announced his experiments, and the birth of twin babies, last November.

Xinhua news agency said a third baby was also born at the same time, which had not previously been confirmed.

The local government in Guangdong province said it was keeping the babies under medical observation.

As well as the prison sentence, He was fined three million yuan (\$430,000; £328,000).

# Bio ethics principles

Four traditional bio-ethics principles

- Beneficence- It should have a benefit to the patient
- Non-maleficence- Avoid harm
- Autonomy- people have the right to make informed choices
- Justice- benefits and harms should be equally distributed

Principles can be helpful, but there isn't a universal framework

Nuffield Council on Bioethics [doesn't have a standard approach](#).

I worked with Association of Medical Research Charities to develop a [framework](#)



## Ignoring ethical implications of data & tech

- Data collection and sharing
- Analysis and decision making
- Tech platforms we use
- Etc

# Data collection and sharing

## Clarity on the purposes of collecting data, and who it will be shared with

- Exemption in Schedule 2 Part 1 Paragraph 4 of the Data Protection Act 2018 removes data protection rights for those subject to immigration enforcement.

News > UK > Home News

### Home Office still using NHS patient data for immigration enforcement despite suggesting it would end practice

Information about patients with NHS debts can be obtained and used for immigration enforcement purposes as 'compliant environment tool', report reveals

### Safe to share? - Migrant women fear approaching police even when victims of abuse

By **INFO MIGRANTS** Emma Wallis | Published on : 2020/12/23

A new report from the police watchdog in the UK has warned British police against passing the details of abused migrant women to the Home Office. They say sharing information can prevent potential victims from approaching the police if they fear they risk deportation.

The UK Justice Inspectorate (HMICFRS), the College of Policing (CoP) and the Independent Office for Police Conduct (IOPC), found in a [report published on December 17](#) that "victims of crime with insecure or uncertain immigration status are fearful that if they report crimes to the police, their information will be shared with the Home Office."

The report was commissioned after a "policing super-complaint" was submitted in 2018 by the Human Rights organization [Liberty](#) and [Southall Black Sisters \(SBS\)](#). The two organizations asked the Justice Inspectorate to look into police practice where they shared victims' immigration information with the UK Home Office (Interior Ministry).

Open Rights Group are looking at this [IMMIGRATION, DATA AND TECHNOLOGY: NEEDS AND CAPACITIES OF THE IMMIGRATION SECTOR](#)

# Analysis and decision making

## A-levels and GCSEs: Boris Johnson blames 'mutant algorithm' for exam fiasco

By Sean Coughlan  
BBC News family and education correspondent

© 26 August 2020



Prime Minister Boris Johnson has blamed a "mutant algorithm" for this summer's exam results fiasco.

"I am afraid your grades were almost derailed by a mutant algorithm and I know how stressful that must have been," he told pupils at a school.

An algorithm - a maths calculation - was initially used to determine A-level and GCSE results this year but it was scrapped after problems emerged.



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## Home Office says it will abandon its racist visa algorithm – after we sued them.

algorithmic bias, visa streaming algorithm, win, government misuse of tech · August 4, 2020

Home Office lawyers wrote to us yesterday, to respond to the legal challenge which we've been working on with the [Joint Council for the Welfare of Immigrants \(JCWI\)](#).

We were asking the Court to declare the streaming algorithm unlawful, and to order a halt to its use to assess visa applications. But before the case could be heard, the Home Office caved in! They've agreed that from this Friday, 7 August, they will get rid of the 'streaming algorithm.'

The Home Secretary Priti Patel has pledged a full review of the system, including for issues of 'unconscious bias' and discrimination.

This marks the end of a computer system which had been used for years to process every visa application to the UK. It's great news, because the algorithm entrenched racism and bias into the visa system. The Home Office kept a secret list of suspect nationalities automatically given a 'Red' traffic-light risk score – people of these nationalities were likely to be denied a visa. It had got so bad that

on uk" in a new tab

## Tech platforms we use

- Over reliance on Big Tech for core infrastructure?
- Censorship?
- Disinformation?
- Hypervisibility of Groups

## Facebook admits it was used to 'incite offline violence' in Myanmar

🕒 6 November 2018



**Exclusive:** Users trying to share information from conflict zones saw posts taken down without explanation, through moderation policies campaigners say are 'clearly biased'

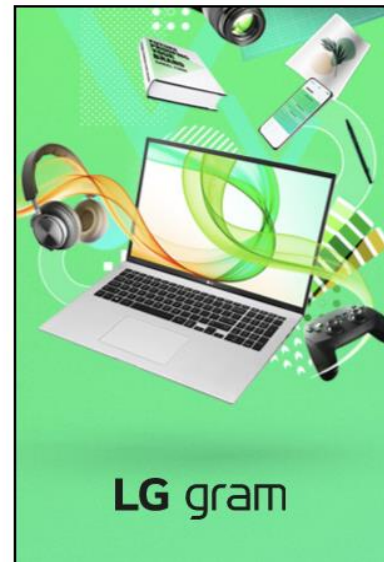
Adam Smith | @adamndsmith | 2 hours ago | 13 comments



There has been a “dramatic increase” in the censorship of Palestinian political speech on social media over the past two weeks, during the period of intense fighting between Israel and militants in Gaza.

Facebook, Twitter, and Instagram have all been used by Palestinians to share information from, among a variety of areas, the East Jerusalem neighbourhood of Sheikh Jarrah where families face eviction.

However the **report** from 7amleh, The Arab Center for the Advancement of Social Media, shared exclusively with *The Independent*, argues that social media companies' moderation attempts and codes of conduct have resulted in numerous citizens' accounts being taken down.





# Others Concerns

## What Google's Firing of Researcher Timnit Gebru Means for AI Ethics

The Editors | Thursday, Dec. 24, 2020

Google sparked an [uproar earlier this month when it dismissed Timnit Gebru](#), the co-leader of a team of researchers at the company studying the ethical implications of artificial intelligence. Google maintains that it accepted her "resignation," but Gebru, who is Black, claims she was fired for drawing unwelcome attention to the lack of diversity in Google's workforce. She had also been at loggerheads with her supervisors due to their request that she retract a paper she had co-authored on [ethical problems associated with certain types of AI models that are central to Google's business](#).



Former Google AI researcher Timnit Gebru speaks in San Francisco, California, Sept. 7, 2018 (Photo by Kimberly White/Getty Images for TechCrunch).



## Forbes

EDITORS' PICK | Jan 29, 2021, 02:32pm EST | 8,452 views

# At Risk Of Losing Their Jobs, Facebook Content Moderators In Ireland Speak Out Against Working Conditions

## Uber drivers are workers not self-employed, Supreme Court rules

By Mary-Ann Russon  
Business reporter, BBC News

© 19 February



Former Uber drivers James Farrar and Yaseen Aslam pose in front of the Supreme Court on Friday

**Uber drivers must be treated as workers rather than self-employed, the UK's Supreme Court has ruled.**

The decision could mean thousands of Uber drivers are entitled to minimum wage and holiday pay.

**A group of former sub-postmasters and sub-postmistresses have seen their names cleared at the Court of Appeal after the UK's most widespread miscarriage of justice.**

It marks the latest stage of a computer scandal, and a long and complex legal battle, which could leave the Post Office with a huge compensation bill.

# Data/Tech Ethics for small groups: ODI

Discuss potential ethical issues for data and tech throughout your project

Involve all key stakeholders

The Data Ethics Canvas – The ODI The ODI



# Data/Tech Ethics for small groups: doteveryone

## Consequence Scanning – an agile practice for responsible innovators

1. What are the intended and unintended consequences of this product or feature?
2. What are the positive consequences we want to focus on?
3. What are the consequences we want to mitigate?

Just because you can, doesn't mean you should

Thoughts about your work?

How would your service users feel about your data & tech work?



# Next steps

- ✓ Check out – share what's worked well and not so well for you about the Data Cohort programme?
- ✓ Complete the Data Maturity Assessment again – you should receive a link from Sian from Data Orchard. Deadline Friday 4<sup>th</sup> June, so Sian has time to analyse ahead of the 18<sup>th</sup> June
- ✓ Prep some learning to share at the wrap up event on June 18<sup>th</sup>. This could relate to your goals, your hunch, the whole programme or key elements most useful, a new skill you implemented, some data analysis you did. It's up to you! But we'd like you to share back to the group and guests for 5 – 10 minutes

