



# DISPLAYS OF POULSE DIFFERENT FORMS OF POWER AND THEIR IMPACT ON POLITICS?

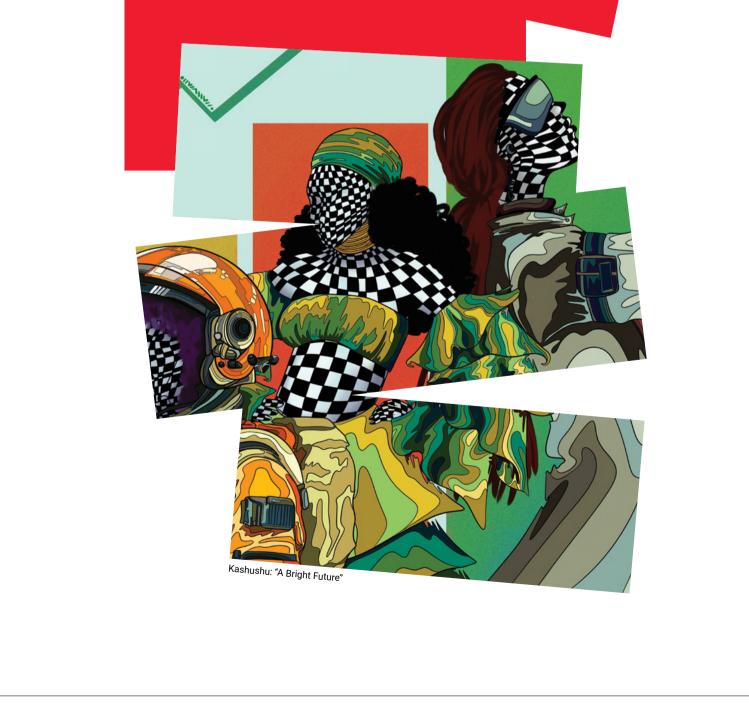
Bringing together research from across the social sciences, the exhibition explores the people and

institutions, technologies, infrastructure and other phenomena that shape our world.

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## **IN SEARCH OF SPIDER CONSCIOUSNESS**



SCAN TO HEAR MORE FROM DARIA ABOUT HER RESEARCH

We can easily forget that we are only a tiny part of a vast sentient world full of other conscious beings with lives of their own to lead.

Even those of us far away from centres of political power have immense influence over huge numbers of animal lives. Daria Zakharova invites us to consider the weight of our influence, especially on those beings far removed from our everyday considerations: the invertebrates.







#### ARTISTIC TEAM

Daria ZakharovaCreative leadIvan IsakovVR, engineeringPaulo RiccaLights, creative codingAndrey NovikovOriginal musicStephen AllwrightBuildLucy OnischenkoDesign, logistics

### INSTALLATION

Daria and an interdisciplinary team created an art installation "In search of spider consciousness" for Nowhere Festival in 2023, which invited people to enter the head of a giant Portia jumping spider to discover an artistic meditation on the mind of an arthropod. Visitors would enter the giant spider sculpture and be immersed in the spider's point of view on the world, as represented obliquely through the medium of light, sculpture and original music, inspired by scientific evidence.

### VIRTUAL REALITY EXPERIENCE

A 3D capture recreates virtually the experience of the original sculpture, which was 3.5 by 12m<sup>2</sup>. As in the original, the installation invites the viewer into an immersive walk inside of the spider's head and into the spider's mind. The artistic interpretation of the imagined subjective states of the arachnid mind is presented through an original music piece paired in a beautiful choreography with light patterns in the two main eyes of the spider. This immersive encounter invites reflection on the complexity of consciousness that thrives in even the smallest of beings, urging us to reconsider the boundaries of our moral and ethical responsibilities towards them.

### PORTIA'S EYES

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Portia (a genus of jumping spider) has excellent vision, unique among spiders. With its two large primary eyes it can see detail almost as well as a human eye. Its field of vision however is extremely narrow, akin to looking through a looking glass. Therefore, Portia has to move the tubes of its primary eyes around in complex patterns to see anything, be it prey or just to "complete" a picture of its surroundings. We believe that any type of cognition and potential sentience present in Portia would be intricately connected to the mode of functioning of its perceptual system.

Michael Haber Build, logistics Maribeth Rauh Design, logistics

COLLABORATORS Luke Hollis 3D capture Sean Toole Photography

SUPPORTERS

Professor Jonathan Birch and the ASENT team Department of Philosophy, Logic and Scientific Method at LSE

## **CONTESTED FLOWS:**

## THE UNCERTAINTY AND SCARCITY OF WATER IN JORDAN



SCAN TO HEAR MORE FROM FRED ABOUT HIS RESEARCH

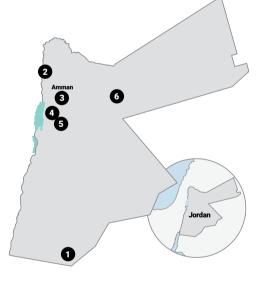
Jordan is increasingly defined by water scarcity: its status as one of the most waterpoor nations on earth is repeated frequently in both the country's own economic and climate change strategy documents, and in the reports of international donors.

Yet this idea of absolute scarcity obscures the ways water flows are shaped by social practices and by power, making experiences of water scarcity extremely uneven.

Dr Fred Wojnarowski uses ethnographic research with water users, officials and people already experiencing water scarcity to challenge technical, apolitical understandings of the water system, and to show how any solutions must be social and political.

This display represents Jordan's water system not as a technical system for the movement and management of a natural resource, but as a social and economic metabolism, in which many people and places are brought into relationships with each other at different scales by the contested flows of water.

Water here speaks to wider flows of power, revealing issues of equity and distribution. Through a series of case studies the display looks at the water system, as it is generally understood, and asks some questions about what within this picture is unknown, open to question and contentious.



### WHERE DOES THE WATER COME FROM?



100 million cubic me extracted annually

Disi Conveyance Project wells, Mudawara, Southern Jordan Jordan's largest megaproject, built with foreign investment, pumps groundwater up to the surface from a deep aquifer.

When will the water run out? This is When will the water run out? This is fossil water – once it's gone, it's gone forever. Jordan's official water strategy estimates <30 years remain, but others suggest within a decade the water may be too saline to use.

Is the water safe? Containing radioactive radium isotopes, the water must be blended with equal quantities of water from other sources to be safe to drink



King Abdullah Canal, Jordan Valley Jordan's main surface water resource, where its most intensive agriculture is concentrated

The water in this sub-tropical valley, 500m below sea level, is some of the most disputed on earth. Israel takes a fixed (rather than relative) amount under their peace treaty, disadvantaging Jordan. Plans for a 'blue-green' deal, to swap solar energy from Jordan's deserts for Israeli water have been made politically impossible by the Israeli war on Gaza.

Of Jordan's share, most is pumped to the capital, leaving local farmers struggling to meet their needs

Jordan is forced to purchase 10 million m<sup>3</sup> each year fro

Through 55 wells Amman 330km Pumped to the capital, Amman Half used for agriculture locally, through Water User Associations Half (110 million m<sup>3</sup>) pumped to the highlands and used to dilute Disi wa

## HOW DO PEOPLE ACCESS WATER? WHAT ARE THE IMPACTS OF WATER SCARCITY?

#### Wala River, Dhiban



Water mains system

The Wala River used to feed wells, springs, crops and flocks in this rural district, an hour south of the capital, but it has slowly reduced to a trickle, finally dammed in 2006. Dam water is mainly used for domestic supply in Amman, with insufficient amounts for local farmers. Locals say it has become badly polluted by mismanagement, further damaging their crops.



Dhiban has experienced waves of protests in recent decades, with water a key issue. People see the way their water is appropriated and polluted as a concrete example of widespread corruption and the political and economic exclusion of their community

Piped w 6 hours



#### Amman - Miyahuna "Our Water" company

The water from these sources supplies the capital and central part of the country, distributed by a state-owned water company. Households who can afford a connection get a weekly timed slot of piped water, otherwise relying on storage tanks.

Richer households have large tanks and can buy in more water by tanke enabling weekly car-washing, lavish lawns and swimming pools. For poorer households, the day the water comes is the day wh (mostly) women try to do all the nsive ho

43 distribu receive ma Water access ranges from 1-48 hours per week

Jabal Bani Hamida



This deprived mountainous region, inhabited by former semi-nomadic Bedouin, is one of the most water-poor in Jordan. As ancient stone wells dry up and turn saline due to overexploitation elsewhere, locals face the consistence between between belient between length. agonising choice between losing their plants and animals or paying exorbitant fees to private water tanker companies.



Most youngsters move away for work and only the pensioners and very poorest remain. Those who stay rely on mains connections to Miyahuna, paying similar bills but receiving far less water than urban areas. One old woman summed up her situation as 'next to the well, and you die of thirst'.

Is there any sustainable future for small-scale highland agriculture?

1.5 hours a w



40–50% of the water goes missing

### WHERE IS THE WATER GOING? Azrag and the eastern desert





As Amman expands, agriculture and urban sprawl are pushed eastwards into the desert, requiring ever more groundwater wells. These wells often feed central pivot sprinklers to grow high-intensity crops, such as salad crops, bananas and citrus, in part driven by a requirement for empty land to be irrigated before it can be registered in Jordanian law. While such irrigation is not an economically

efficient use of a scarce resource, it provides jobs in areas with few other opportunities, and to restrict it could cause unrest.

20m Water table sinking at 20m a year in places as a result of groundwater wells





nnected to water grids (as well as electricity,

#### SHARE OF WATER USE

(source: Jordanian Ministry of Water, National Water Strategy 2023-2040)



#### WHAT IS WATER SCARCITY?

United Nations' definition	Available water in Jordan today	Available water in Jordan by 2040
	***	۵۵
below 500 metres <sup>3</sup> per person annually	61 metres <sup>3</sup> per person annually	expected to be <b>35 metres<sup>3</sup></b> per person annually

#### WHERE IS THE WATER GOING? Ob,

Despite government attempts to limit well-building, many landowners have sunk illegal wells, often shielded from prosecution by powerful political contacts. Digging these illegal wells is an expensive and serious undertaking, needing drill rigs and geological expertise. Satellite imagery shows much more irrigated land than can be accounted for by legal sources, and this overexploitation is causing the water table to sink.

Water from illegal wells is also sold by landowners to private tankers, where it enters a shadow water economy

What is the extent and impact of this shadow economy of water?

Cost of well-sinking £57k per well



## **THE POLITICS OF CONVERSATION**

## HOW POWER PLAYS OUT IN CONVERSATION

To understand our core political institutions and the power dynamics that sustain, challenge, and transform them, we need to understand the conversations that are foundational to them. Through conversation, different actors – from politicians, to journalists, to ordinary citizens – participate, collaborate, intervene, exclude, silence, and hold each other to account.

Conversation analysis allows us to identify and describe how power is displayed and wielded – second by second, breath by breath, gesture by gesture – through communication practices such as silence, laughter, hesitation, and interruption.

Professor Elizabeth Stokoe tells the story of classic and (in)famous political conversations. These conversations show how people, from news interviewers to ordinary citizens, hold politicians to account – and sometimes get caught out in political encounters themselves.

WATCH THE VIDEO Reid/Johnson (2022) Gould/Thatcher (1983) Paxman/Howard (1997) Humphrys/Sopel (2018) Stayt/Gaga (2016)

## COMMUNICATION WITHOUT WORDS

Many of these conversations show the power of communication with resources other than words. These are "paralinguistic" and "embodied" resources like pitch, volume, intonation, pace, facial expression, gesture, and body position.

In Gould/Thatcher, Margaret Thatcher smiles when she forgets Diana Gould's name, while Gould rolls her eyes in response to Thatcher's assertion of power and status. In Stayt/Gaga, Charlie Stayt fills Lady Gaga's "silence" with smiles and gestures to pursue a response, none of which she reciprocates.





 $\lambda n^{*}$  the- the- heg bggt isomewr (0.4) is t- (0.2) help her: h- with-abgite the cost of energy (0.4) as we are, .hh but also [t- t- tingks [Whit through a

THE SPECIFICS OF WAFFLE

As Prime Minister, Boris Johnson was regularly accused of

"waffling". We think we know "waffling" when we see it, but what actually comprises it? In **Reid/Johnson**, Johnson's long, unfocused

turns are littered with repetition, hesitation, incomplete words,

and false starts. Waffling makes Johnson's inadvertent

admission ("No?") an almost inevitable consequence.

- loan that she has to pay back,= BJ: ==t'make sure, (0.5) w- there's a- there's a: dirgct (0.3) #uh# cut
- in her rouncil tax as a result of what we're doing. Ab uh plus thê: (wh the warm home- plus the warm (her) homes allowance h plus the)= 28: (She doman't qualify for the council tax rebate as her home comes ;=
- BJ: [.winter fuel allowance there are-] ER: [under Band F. ]
- 11
   BJ:
   >>There are measures that we put place t'help peopl-.hh «Thut I'm MOT

   13
   (peens protect t'you .hh dumana 1'm not peens protect t'- ) t- sen 

   14
   BB:
   (Prime Minister; ppg can't say asything t'help Their can you.)



THE POWER OF SILENCE

Stayt/Gaga shows how powerful – and uncomfortable – silence in conversation can be. But what is silence, especially in face-to-face interaction? Lady Gaga does not respond verbally to Charlie Stayt's question, creating a long and painful "silence". But silence is not absence: Gaga uses gaze and loud breaths to maintain it.

Conversely, imagine how **Humphrys/Sopel** would have unfolded if Jon Sopel had been silent instead of laughing.



THE REALITY BEHIND THE HEADLINES The BBC Newsnight interview between Paxman/Howard became known as "the night of 12 times" as the media reported a dozen instances of Jeremy Paxman asking Michael Howard the same question.

But conversation analysis shows that Paxman actually asks three different types of question, and none of them 12 times.



SCAN TO HEAR MORE FROM ELIZABETH About her Research

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## TECHNICAL TRANSCRIPT: SUSANNA REID AND BORIS JOHNSON

In May 2022, broadcaster Susanna Reid interviewed then Prime Minister, Boris Johnson, on ITV's Good Morning Britain about the cost-of-living crisis. His response was widely seen as evidence of his lack of empathy for people like Elsie, the struggling pensioner discussed in the interview.



- BJ: An' the- the best answer (0.4) is t- (0.2) help her: b- withaba:te the cost of energy (0.4) as we are, .hh but also [t- t- t'make SR: [Wh't through a onset and end loan that she has to pay back, = "'Equals signs' are placed between turn that occur less than a term of a second apart BJ: =t'make sure, (0.5) w- there's a- there's a: direct ()0.3) #uh# cut
- in her council tax as a result of what we're doing, .hh uh plus thē:
- - SR: =[She doesn't qualify for the council tax rebate as her home comes ]=
  - BJ: =[.winter fuel allowance there are-]

"YOU CAN'T SAY ANYTHING TO HELP ELSIE CAN YOU"







### There's no such thing as a polling station

No piece of architecture is ever designed to be a polling station. Instead, buildings used for a whole variety of purposes (schools, churches, supermarkets, garages, even laundromats) temporarily become hosts to polling stations once every few years. Yet they are often the primary location where citizens interact with their democracies and their design matters. What should an ideal polling station look like?

## **WHY DO ELECTIONS MATTER?**

Professor Michael Bruter and Dr Sarah Harrison founded the Electoral Psychology Observatory (EPO) to put citizens at the heart of how we study elections, arguing that, when it comes to democracy, the experience of the people voting mattters as much as the outcomes of elections. A better functioning democracy must have the experience of citizens at its heart.

Part of their research has involved observing elections all over the world, and these photographs and quotes from voters help to tell a story about people's experience of **Election Day.** 



SCAN TO HEAR MORE FROM **MICHAEL AND SARAH ABOUT THEIR RESEARCH** 





OF VOTERS TYPICALLY EITHER MAKE UP OR CHANGE THEIR MINDS DURING THE WEEK OF AN ELECTION, HALF OF THEM ON ELECTION DAY ITSELF.



POLITICS ARE SO MUCH A PART OF HOW I INTERACT WITH PEOPLE. THESE ISSUES ARE PERSONAL.

I DON'T UNDERSTAND HOW **PEOPLE SEPARATE POLITICS** FROM RELATIONSHIPS.

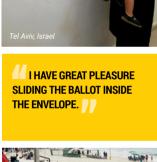


VOTERS SPEND ROUGHLY ONE AND A HALF TIMES LONGER THINKING ABOUT THEIR ELECTORAL CHOICE WITH A PAPER AS COMPARED TO AN ELECTRONIC BALLOT.



I WAS WONDERING WHO

A SENSE OF HISTORY LINKING ME WITH GENERATIONS OF WOMEN VOTERS AND THE HARD WON RIGHT TO VOTE.













## The impact of queues

Election Management Bodies worldwide worry about queues, fearing they will put voters off and generate dissatisfaction. But the evidence gathered by the  $\ensuremath{\mathsf{EPO}}$ suggests that whilst excessively long queues generate complaints, moderate queues inspire excitement and the feeling of being part of an important collective event. They are subconsciously seen as a sign of democratic momentum and shared experience

WHY AM I WASTING MY TIME WITH THIS, WHEN I COULD **BE SPENDING IT WITH MY** FAMILY OR PLAYING GAMES OR EVEN COUNTING MY TOES?





GREAT TO SEE OTHER PEOPLE THAT WERE REALLY ENTHUSIASTIC AND EAGER TO VOTE.







I FELT A GREAT MOMENT OF EMOTION.



## How we vote

Going to vote alone has a very different symbolic meaning from going as a family, bringing children along, or making it a collective social outing with friends or neighbours.



OVER THE PAST TWO DECADES, OUR PERSPECTIVE OF WHAT LIES AHEAD OF US HAS BEEN RADICALLY SHAPED BY SILICON VALLEY. RESEARCH BY ASHER KESSLER EXPLORES HOW ONE COMPANY, FACEBOOK/META, HAS ENVISIONED THE FUTURE IN DIFFERENT WAYS OVER THE LAST 20 YEARS. HOW DO THESE FUTURES REORIENT OUR SENSE OF THE PRESENT AND RESHAPE HOW WE COME TO REMEMBER AND RETELL THE PAST?



Scan to hear more from agher ABOUT HIS RESEARCH

Meta

## FUTURE 1 A WORLD CONNECTED 2006-PRESENT



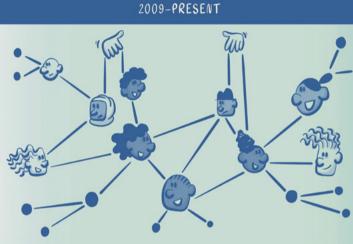
A VISION OF A GLOBAL COMMUNICATION NETWORK THAT CONNECTS ALL HUMANS ON THE PLANET.

HIERARCHIES WILL BE FLATTENED AS PEOPLE GAIN DIRECT ACCESS TO EACH OTHER, AND THE ABILITY TO FORM AND JOIN GLOBAL COMMUNITIES.



BIG TECH DRIVES FORWARD PROGRESS BY PUSHING 'DEVELOPING' COUNTRIES TO MODERNISE AND CATCH UP WITH THE 'DEVELOPED' WORLD.





FUTURE 2

ECOSYSTEMS

DATA

A WORLD IN WHICH HUMAN BEHAVIOUR BECOMES EVER-MORE KNOWABLE, PREDICTABLE, AND RESPONSIVE TO CONTROLLABLE SIGNALS.



ING FACEBOOK AND INSTAGRAM ADS, YOU CAN T BY CONGRESSIONAL DISTRICT, YOU CAN TARGET BY INTEREST, YOU CAN TARGET BY OGRAPHICS OR ANY COMBINATION OF THOSE AND WE'RE SEEING POLITICIANS AT ALL LEVELS ALLY TAKE ADVANTAGE OF THAT TARGETIN SHERYL SANDBERG



SOCIAL MEDIA PLATFORMS ARE ENVISAGED AS 'ECOSYSTEMS', USERS ARE RENAMED 'ACTIVES', AND THEIR 'ORGANIC' BEHAVIOUR IS HARVESTED FOR INCREASING ENGINEERING, SURVEILLANCE, AND AGGREGATION.

FACEBOOK HOLDS A SYSTEMS PERSPECTIVE

FUTURE 3 THE METAVERSE 2014-PRESENT

A NEW SOCIAL REALITY WHICH BLENDS THE PHYSICAL WORLD WITH VIRTUAL REALITY, AUGMENTED REALITY, AND ARTIFICIAL INTELLIGENCE.



PEOPLE WILL BE ABLE TO CREATE AND EXPERIENCE ANYTHING, NO LONGER BOUNDED BY THE BODY THEY WERE BORN IN, OR THE LAWS OF NATURE THEY WERE LIMITED BY.

## ANOTHER FUTURE?

IF WE EQUATE THE FUTURE WITH THE NEXT TECHNOLOGICAL BREAKTHROUGH AND SILICON VALLEY VISION, WE FIND OURSELVES CLOSING A FUTURE THAT WAS ONCE ENVISAGED AS OPEN - THE FUTURE BECOMES ALWAYS THE SAME, ALWAYS THE NEXT BREAKTHROUGH, THE NEXT SILICON VALLEY BET.

HOW CAN WE IMAGINE AND ANTICIPATE THE FUTURE IN ALTERNATIVE WAYS? SHARE YOUR IDEAS.

BETTER, AND I BELIEVE THAT THE FUTURI

THIS IS THE FUTURE WE WANT, AND I'M TO KEEP PUSHING AND GIVING EVERYTHING I'VE GOT TO MAKE THIS HAPPEN."

MARK ZUCKERBERG

TO CONNECT THE WORLD, INTERNET ACCESS MUST REACH EVERY CORNER OF THE GLOBE, THUS FACEBOOK DEVELOPS AND PROPAGATES THEIR FUTURISTIC TECHNOLOGIES, SUCH AS DRONES THAT FLY FOR SIX MONTHS AT A TIME.

OVER EACH ECOSYSTEM (FACEBOOK, INSTAGRAM, OCULUS), WHICH AFFORDS IT THE ABILITY TO SEE AND UNDERSTAND THE INTERESTS AND INTENTIONS OF USERS, AS WELL AS PREDICT FUTURE BEHAVIOUR.





## WHAT GOES INTO THE MAKING OF **A SENTENCE ON CHATGPT?**

THE SEMICONDUCTOR BUSINESS IS LIKE A TREADMILL THAT SPEEDS UP ALL THE TIME. IF YOU CAN'T KEEP UP, YOU FALL OFF. MORRIS CHANG, FORMER CEO AND FOUNDER OF TSMC

### Semiconductor Manufacturing: TSMC

The Taiwan Semiconductor Manufacturing Company (TSMC) makes cutting-edge microchips. This is a highly complex and error-prone Cutting-edge microconips. This is a nighty complex and error-prone process that only a few companies in the world have perfected. TSMC is the only company that successfully uses extreme ultraviolet (EUV) technology to print billions of transistors on coin-sized silicon wafers. There is only one company in the world that makes EUV machines: the Dutch company ASML. One machine comes with a price tag of Compositions. \$200 million.

**Graphics Processing Unit Manufacturing: Nvidia** Nvidia designs the GPUs that provided the computational power for the generative AI boom. Nvidia is a "fabless" company – it doesn't own any manufacturing plants. All designs are manufactured by TSMC. A server comprising eight of Nvidia's cutting-edge H100 GPUs costs approximately \$400,000. Following high demand, there is a massive shortage of these GPUs and Nvidia is the only supplier.

#### **Cloud Service Provider: Azure**

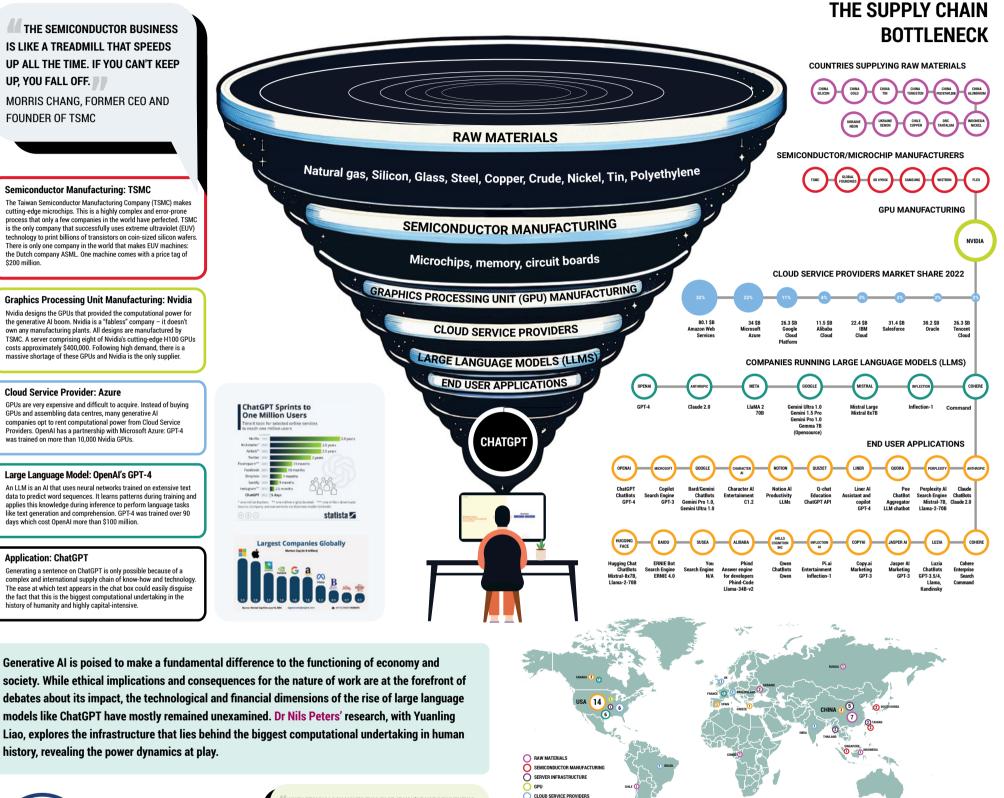
GPUs are very expensive and difficult to acquire. Instead of buying GPUs and assembling data centres, many generative AI companies opt to rent computational power from Cloud Service Providers. OpenAI has a partnership with Microsoft Azure: GPT-4 was trained on more than 10,000 Nvidia GPUs.

#### Large Language Model: OpenAl's GPT-4

An LLM is an AI that uses neural networks trained on extensive text data to predict word sequences. It learns patterns during training and applies this knowledge during inference to perform language tasks like text generation and comprehension. GPT-4 was trained over 90 days which cost OpenAI more than \$100 million.

#### Application: ChatGPT

Generating a sentence on ChatGPT is only possible because of a complex and international supply chain of know-how and technology The ease at which text appears in the chat box could easily disguise the fact that this is the biggest computational undertaking in the history of humanity and highly capital-intensive.



WHEN TECHNOLOGY MOVES THIS FAST, IF YOU'RE NOT REINVENTING YOURSELF, YOU'RE JUST SLOWLY DYING. YOU'RE SLOWLY DYING, UNFORTINATELY, AT THE FASTE OF MOORE'S LAW, WHICH IS THE FASTEST OF ANY RATE THAT WE KNOW. JENSEN HUANG, CEO AND CO-FOUNDER OF NVIDIA

**GEOGRAPHY OF SUPPLY CHAIN POWER** 

The generative AI supply chain is global, with companies in the US sitting at the top of the value chain. This includes LLM companies like OpenAl and "fabless" chip makers like Nvidia. Semiconductor manufacturing is concentrated in East Asia. Microchips from Taiwan provide almost 40 per cent of the world's new computational power every year, and two Korean companies produce almost half of the world's

## **FUN FACTS**

· Many Large Language Models (LLMs) are trained on a dataset called the "Common Crawl", containing 3.35 billion web pages or 454 tebibyte of uncompressed content.

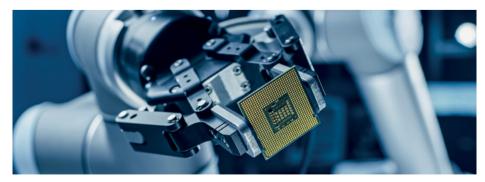
**SCAN TO HEAR MORE FROM** 

**NILS ABOUT HIS RESEARCH** 

- Training runs for LLMs are highly time-and capital-intensive. Meta's LLaMA model released in February 2023, for instance, used over 2,000 Nvidia GPUs on 1.4 trillion tokens (750 words is about 1,000 tokens). The training run took about 21 days. The estimated cost is over \$2.4 million.
- · Chip designs have become so small that companies like ASML have had to invent printing techniques at the edge of known physics. They use extreme ultraviolet (EUV) with a wavelength of 13.5 nanometres, the size of five DNA strands laid side by side.

#### emory chips (Chris Miller, Chip Wars)

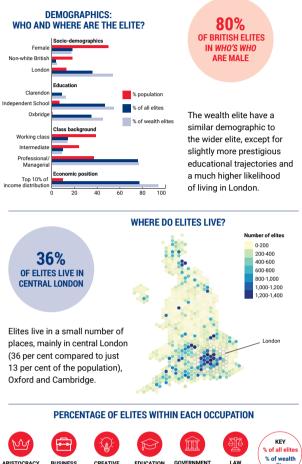
O LARGE LANGUAGE MODELS END USER APPLICATIONS



## **WHO RULES BRITAIN?**

## WHO ARE AND WHERE ARE THE ELITE?

The British elite are predominantly male (more than 80 per cent of current *Who's Who*) and overwhelmingly white (96 per cent).





The power of the clergy and military has waned since the end of the 19th century. Now elites are drawn broadly from the fields of business, politics and law. The wealth elite are more likely by far to be business leaders.

## **HOW ARE THE ELITE MADE?**

"I'M JUST A CHAP SITTING IN A LITTLE HOUSE IN A SUBURB WHOSE LIFE IS, AS YOU'VE DISCOVERED, NORMAL ... QUITE ORDINARY." JAMES, FINANCE (WEALTH ELITE) BORN 1945-1950

EVEN THOSE IN THE WEALTH ELITE REJECT THE LABEL ELITE

**43%** PERCENTAGE OF ELITES WHO SAY THEY ARE FROM WORKING-CLASS BACKGROUNDS BUT ACTUALLY COME FROM PROFESSIONAL, MIDDLE-CLASS FAMILIES.

**KEY FACTORS ELITES ATTRIBUTE TO THEIR SUCCESS** 

## WHAT DO WE KNOW ABOUT THE PEOPLE WIELDING POWER AND INFLUENCE IN BRITAIN?

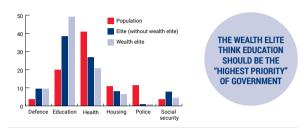
PROFESSORS SAM FRIEDMAN AND AARON REEVES HAVE SHOWN THAT WHITE MEN FROM ELITE BACKGROUNDS, WHO HAVE ALL TOO OFTEN ATTENDED A TINY GROUP OF PRIVATE SCHOOLS AND HIGHLY SELECTIVE UNIVERSITIES, REMAIN PROFOUNDLY OVER-REPRESENTED IN THE CONTEMPORARY BRITISH ELITE.

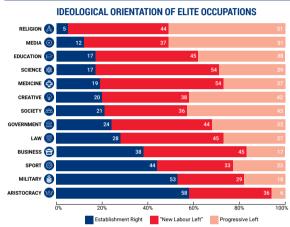


The analysis identifies an elite based on Who's Who – a longstanding dictionary of those reaching widely recognised positions of national influence. It further pinpoints a "wealth elite" who are both included in Who's Who and are in the top one per cent of the wealth distribution. Research draws on data from the 125,000 people featured in Who's Who since 1897, currently representing about 0.05 per cent of the UK population, combined with probate records, survey and interview results, and data sources Illuminating specific aspects of the lives of the elite including Desert Island Disc choices and UK Survement Court indoments

## **HOW DO THE ELITE THINK?**

The research was able to show how the thinking of the elite differs from the rest of the population, for example when asked what the government's highest priority should be.



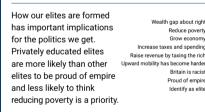


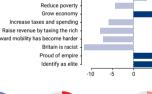
The ideological centre of gravity among elites in the military, the aristocracy, and even sport tilts strongly to the right, while elites in religion and the media are dominated by the progressive left. While the more centrist "New Labour" left is well represented in most occupations, they are an outright majority in science and medicine.

THE IDEOLOGICAL ORIENTATION OF THE WEALTH ELITE TILTS TO THE RIGHT

22%

NON-WEALTH ELITE



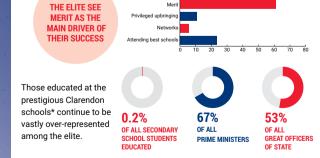




The wealth elite are more politically active than other elites. Their access to positional *and* economic power grants them a unique ability to convert their beliefs into actions.

## **IT STILL PAYS TO BE PRIVILEGED**

- THE LINK BETWEEN WEALTH AND ELITE STATUS IS WEAKENED
- THE DISTORTIONARY POWER OF A HANDFUL OF PRIVATE SCHOOLS IS UNDERMINED
  - **OXBRIDGE IS OPENED UP**



\*Clarendon schools are Britain's nine most elite private boarding schools – Eton, Harrow, St Pauls, Westminster, Winchester, Rugby, Charterhouse, Shrewsbury and Merchant Taylors.



回返回



SCAN TO HEAR MORE FROM

MEANINGFULLY TACKLED UNTIL ...

**CLASS INEQUALITY** 

WILL NOT BE

• AND POWER IS REDISTRIBUTED AWAY FROM THOSE WHO REACH THE TOP OF PARTICULAR PROFESSIONS.



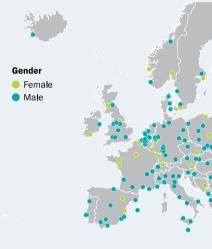
FIND OUT MORE Harvard University Press (September 2024)

## WHO IS LEADING EUROPE'S CITIES?

The majority of Europeans live in urban areas, giving cities a critical role in addressing the continent's most pressing policy challenges, from inequality to climate change. LSE Cities' European Cities Programme has created a knowledge hub of key data from nearly 160 of Europe's capital and largest cities, allowing them to track the changing nature of these challenges, and how cities approach them.

Among other things, they are monitoring the changing profile of Europe's elected city leaders, the extent to which they reflect Europe's growing diversity, and changes in the urban political landscape.

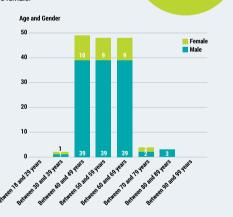
## EUROPE'S CITY LEADERS ARE LESS DIVERSE THAN THE VOTERS THEY REPRESENT



## GENDER AND AGE DIVERSITY

The average European mayor is a 54-year-old white man. There are far fewer female mayors - only one in five (20 per cent) of the leaders in our sample is a woman. Some countries are doing better than others when it comes to gender representation: five of the 11 French mayors are female.





ETHNIC BACKGROUND

Europe's cities are becoming increasingly diverse.

## IS CITY LEADERSHIP SHIFTING TO THE RIGHT?

ALL MAJOR NORWEGIAN CITIES **ARE GOVERNED BY** THE CENTRE-RIGHT FOR THE FIRST **TIME IN 99 YEARS** 

2022 **54% OF LEADERS FROM** LEFT/CENTRE-LEFT

## 2024 50% OF LEADERS FROM LEFT/CENTRE-LEFT

....

IN SPAIN, THE CENTRE-RIGHT TRIPLED THE NUMBER OF MUNICIPALITIES IT LEADS IN RECENT ELECTIONS

Europe's cities have historically leaned to the left of their nation states, although a recent rightward turn in European politics is beginning to be felt in cities too.

This shift in Europe's urban politics is likely to be explained in part by familiar concerns over immigration, cost of living and labour market disruption, but also in part by distinctively urban issues, including city hall policies aimed at curbing car use. The recent re-election of Sadiq Khan as Mayor of London, however, suggests that it is still possible to win elections on relatively ambitious green policies.

## WHAT'S NEXT FOR EUROPE?

回返回

Politics tends to be cyclical. We can't be sure if or how far Europe's cities will continue to swing right, or if and when they will swing the other way. But it seems clear that Europe's leaders will need to get better at designing and communicating green policies in ways that reconcile concerns for cost of as climate change.

IN MY SIX YEARS AS CITY LEADER THERE'S BEEN A SIGNIFICANT DEMOGRAPHIC SHIFT WITHIN CITY POLITICS WITH MORE WOMEN. PEOPLE OF COLOUR AND YOUNGER **PEOPLE IN MY COUNCIL GROUP YET WE'VE** STILL SOME WAY TO GO.

POLITICAL ALIGNMENT

iows char

POLITICAL ALIGNMENT

Left 🛑 Centre-left Centre Centre-right

 Right Other Political changes Leftward shift Rightward shift

Centre-rig



Susan Aitken w (2017 - pre s it was time to pu ey where my mouth is

go, M is taken on vested inter exism to bring about ge ion on the streets of Paris. If Pa rm its traffic-clogged, noisy a ts to make

OVER THE COURSE OF HIS TWO TERMS AS MAYOR OF BRISTOL, MARVIN REES SAYS HE HAS 'UNDERSTOOD THE GROWING SIGNIFICANCE OF CITIES IN GENERAL AND CITY LEADERSHIP IN PARTICULAR.



### **Marvin Rees OBE**

Mayor of Bristol (2016 - 2024)

d? Our city's ss to begin to talk about rad

**M** IF YOU ASPIRE TO HAVE A MEANINGFUL IN IF YOU ASPIRE TO HAVE A MEANINGFUL IMPACT ON SOCIETY, ENGAGING IN CITY POLITICS CAN BE THE MOST EFFECTIVE WAY TO ACHIEVE IT. IN BELGIUM, FEW PEOPLE HAVE CONFIDENCE IN NATIONAL POLITICIANS, BUT IN CITY POLITICS, IT IS STILL POSSIBLE TO COLLABORATE CONSTRUCTIVELY AND TO MAKE A DIFFERENCE.



ntre-lef



**RESEARCH BY BEN ROGERS, CATARINA** HEECKT, FRANCESCO RIPA, NUNO DA **CRUZ AND IMOGEN HAMILTON-JONES.** SCAN TO HEAR MORE FROM CATARINA **ABOUT THE RESEARCH** 

**Mohamed Ridouani** Mayor of Leuven (2018 - pro

Advice for new mayors? It's impossible satisfy every citizen's needs and prefere As a mayor, you're the keeper of the com sible to good and the protector of the most vu members of society.

## WHO HAS THE POWER TO ADDRESS **THE CHILD PENALTY GLOBALLY?**

WOMEN SHOULDER THE

RESPONSIBILITY FOR

**UNPAID WORK** 

AFFECTING THEIR ABILITY TO ACCESS EMPLOYMENT

**OPPORTUNITIES** 

40%

OF MEN AND WOMEN IN THE UK AGREE THAT:

STAY AT HOME WHEN SHE HAS CHILDREN

UNDER SCHOOL AGE

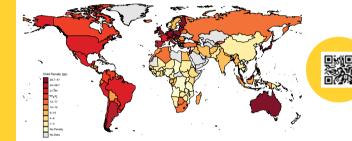
WOMAN SHOULD



**SCAN TO HEAR MORE FROM GABRIEL ABOUT THE RESEARCH** 

### **Child Penalty Atlas**

The LSE Hub for Equal Representation presents the Child Penalty Atlas (childpenaltyatlas.org) to measure the child penalty around the world. This data enables the Hub to investigate one of the root causes of gender inequality in the labour market and look at how it varies globally.



### The child penalty around the world

This heat map shows the child penalty in 134 countries around the world: the darker the colour, the higher the penalty. Almost everywhere globally, women's careers seem to suffer after they become parents.

### The gender employment gap globally

There is a wide variation in the employment gap between men and women across the world. In countries with greater gender equality, the gap is around 5 per cent, while in countries with greater gender inequality, it can be as high as 90 per cent.

Having children requires money, time, resources and energy. Yet, parenthood impacts men and women differently. Mothers spend more time on unpaid childcare and less on paid employment, affecting their long-term economic opportunities.

This is known as the child penalty, or the motherhood penalty. This is the average amount by which a woman's probability of being employed declines in the 10 years after the birth of her first child relative to men.

## 24% OF WOMEN LEAVE THE LADOON FOR THE FIRST CHILD ARE STILL ABSENT 17% AFTER FIVE YEARS

AS OF 2024...

ARE STILL ABSENT 15% AFTER 10 YEARS

OF WOMEN LEAVE THE LABOUR FORCE IN THE

Child penalty across continents

The impact of motherhood on employment not only varies greatly between countries, but also among world regions. These graphs compare the child penalty for men and women after the birth of their first child in Europe, Africa and Latin America

#### EUROPE CHILD PENALTY: 29%

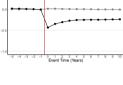
In high-income regions, child penalties are high. 80 per cent of the gender gap in employment is due to women leaving the workforce after their first child.

#### AFRICA CHILD PENALTY: 9%

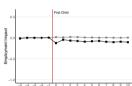
In the poorest areas, women tend to exit the workforce before motherhood and directly after marriage Here, lower child penalties only explain 10 per cent of the gender gap in employment

#### LATIN AMERICA CHILD PENALTY: 38%

are more likely to work after marriage but many quit permanently after becoming mothers In Latin America, 38 per cent of working mothers leave the labour force after having a child, and 37 per cent remain out of work 10 years later.



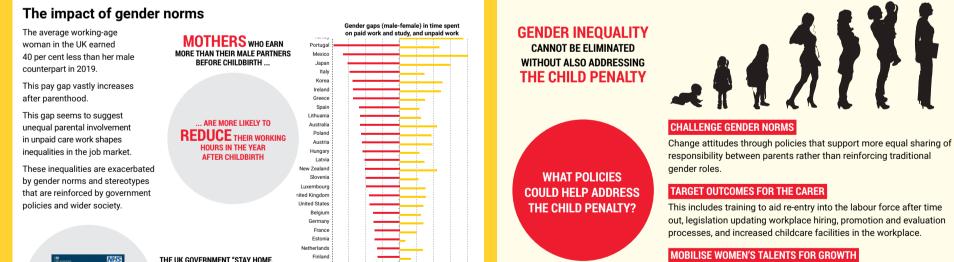
Men --



In middle-income countries, women



THIS CHILD PENALTY AND WHAT ROLE CAN **POLICYMAKERS PLAY IN FIXING IT?** 





SAVE LIVES" POSTER, RELEASED DURING THE COVID-19 PANDEMIC, WAS WITHDRAWN AFTER IT SHOWED **ONLY WOMEN** UNDERTAKING DOMESTIC CHORES



### **RESEARCH BY**





Today women are, on average, at least as educated as men, but their talents are not fully utilised. Better balance of paid work between men and women will benefit economic growth.

#### **PRIORITISE GIRLS' EDUCATION**

In developing countries, governments should prioritise and invest in girls' education to address the high entry barrier to the labour market.

### IMPROVE THE RIGHT TO FLEXIBLE WORKING

Flexible working makes it easier to balance work and family life. Strengthening the right to flexible working means more women can remain in and return to work.

## **SEEN: MAKING WOMEN'S LABOUR VISIBLE**

Women's labour, largely unpaid and underpaid, is missing from economic policymaking and is not recorded in key economic measures like GDP.

## **TO SOCIETY INVISIBLE.**

These artworks from the artbook SEEN were produced as part of the Invisibilised Labour project undertaken by Roos Saalbrink. The artbook resists the erasure of women and their contributions to the economy, and challenges dominant narratives about women's worth.

76% **40%** 11% **OF ALL UNPAID** WOMEN'S UNPAID **OF FINANCE CARE AND DOMESTIC** CARE AND DOMESTIC MINISTERS WORK IS DONE WORK EXCEEDS GLOBALLY **BY WOMEN 40 PER CENT OF GDP ARE WOMEN** 



SCAN TO HEAR MORE **FROM ROOS AND JUNO ABOUT THE PROJECT LISTEN TO CLARISS READ** "I HAVE A MAID"

## I HAVE A MAID

I have a maid I have a maid. She is just under 18. I pay her \$60 per month, It's enough for her upkeep. Besides, she is stay in So she eats my food, Bathes with my soap And she sleeps in my house, Free accommodation! She doesn't have much to do either, She takes care of my two children, Cleans my 3 bedroomed house, And of course she cooks sometimes Especially that my husband is a picky eater. She does the dishes, and the laundry too ...

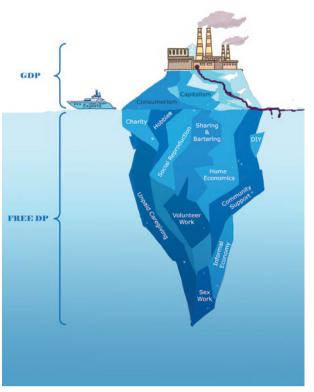
Extract: I Have a Maid **Clariss Rufaro Masiya** 



A Bright Future Kashushu

**II** Advocating for women's invisible labour, it leaves me in a place of devastation. I feel like I am unseen. Because I'm only seen as a passive beneficiary of GDP. I'm not seen as a contributor to it, so it kind of leaves me in a place where I feel exploited.

THE ECONOMIC GROWTH ILLUSION



GDP vs FREE DP Olusayo Ajetunmobi aka Ajet

**III** GDP doesn't include the social production of women. It wasn't meant to serve marginalized groups. It was only meant to serve colonial masters, particularly in Africa.





Invisibilized Labour Aida Namukose

**#** My body feels exhausted. I feel like changing the current system or the beliefs, especially when talking about gender is exhausting. Fighting the good fight. But I believe it's worth it in the end.

New Horizons Within Halina Rauber-Baio aka Juno Algaravia

#### Acknowledgement

Aida Namukose is an ecofeminist and photographer based in coastal Kenya. Clariss Rufaro Masiya is an ecofeminist and gender equality and social inclusion specialist based in Zimbabwe. Halina Rauber-Baio aka Juno Algaravia is a feminist collagist from Brazil.

Kashushu is a visual artist from Uganda who specialises in contemporary digital art. Olusayo Ajetunmobi aka Ajet is an artist and illustrator, whose work explores cultural memory. Roos Saalbrink is an advocate who loves to create space to discuss feminism and econom

otes are drawn from group dialogues on women's contributions to the economy and the devaluing of care and mestic work, undertaken for the project Invisibilised Labour: Feminist Critiques of GDP and Ideas of Growth.

Funded by:

Atlantic Fellows

## **MAKING RESEARCH LESS... WEIRD?**

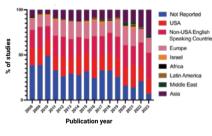


**SCAN TO HEAR MORE FROM DEEMA ABOUT HER RESEARCH** 

Most face libraries used in psychological research include only younger, white participants from Western, Educated, Industrialised, Rich, Democratic (WEIRD) cultures. These databases are not representative of the diverse range of facial characteristics and expression found in general populations globally, and this presents a major challenge to the quality and impact of research findings.

The study of face perception plays a pivotal role in advancing our understanding of social dynamics, and contributes to real-world developments in fields such as medicine and technology. Dr Deema Awad's project calls for more researchers to report the demographics of their study participants, and paves the way for more representative research through the creation of a new, inclusive face database.

### FACE PERCEPTION (2008-2023): PAPERS BY POPULATION LOCATION

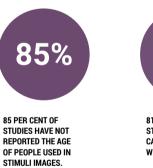


This diagram shows where in the world studies into facial perceptions have been carried out since 2008. 81 per cent of the 3,217 papers with specific location details were carried out in Western countries

A) Race

studies 80

60 -



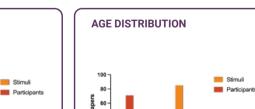


81 PER CENT OF **STUDIES SINCE 2008** CARRIED OUT IN WESTERN COUNTRIES.

RACE DIVERSITY



WHERE ETHNICITY IS **REPORTED, NEARLY 70 PER** CENT OF FACIAL STUDIES FEATURE INDIVIDUALS WHO ARE WHITE.



ANGRY 



50%

GENDER REPORTING IN

STIMULI HAS FLUCTUATED

HUGELY SINCE 2008, NEVER

**RISING ABOVE 70 PER CENT,** 

OVER 50 PER CENT IN 2014.

AND DROPPING TO JUST







**SURPRISE** 





NEUTRAL GAZE NEUTRAL GAZE TO SUBJECT LEFT

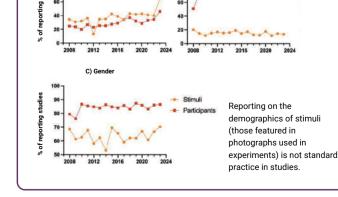
TO SUBJECT RIGHT



## WHAT'S THE SOLUTION?

LSE's representative face library will include 36 categories for the identification of images, including wide ranges of age, gender, and ethnicity. The database will also include differing evaluations of photographs in terms of attractiveness, trustworthiness, dominance, credibility, and basic emotions.

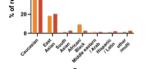
By providing a more representative sample of faces, this project will improve face perception research and have a significant impact on the sciences. The diverse face database will serve as a facial library for researchers around the world, and will enable them to engage with more representative sampling in their studies, ultimately leading to a deeper understanding of the role of faces in psychological research.



TRANSPARENCY IN STIMULI AND PARTICIPANTS DISCLOSURE

B) Age

and a strength



This graph shows the race distribution of

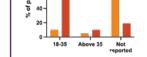
for studies with available data since 2008.

The vast majority of facial studies feature

individuals who are white at almost

70 per cent.

people presented in stimuli, and participants,



#### Age

This graph shows the age distribution of people presented in stimuli, and of participants, in face perception studies since 2008. Around 85 per cent of studies have not reported the age of people used in stimuli images.

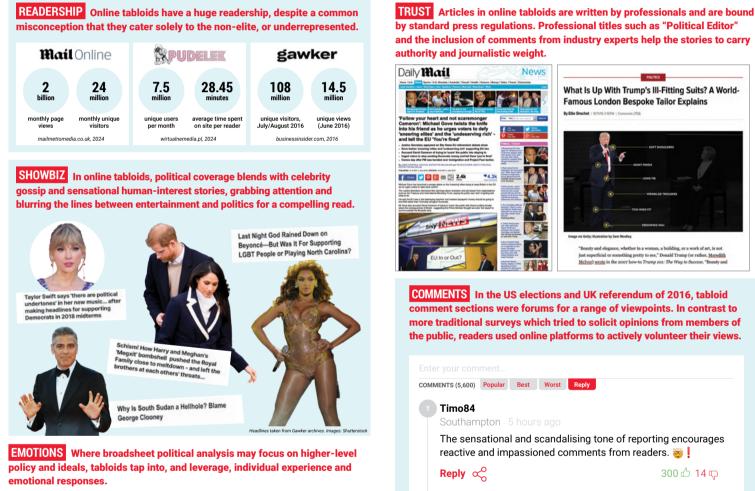
## THE TABLOID EFFECT

READERSHIP SHOWBIZ EMOTIONS | ACCESSIBILITY | TRUST

## Who would have thought?! Guilty-pleasure online tabloids predict political outcomes where traditional broadsheets fail

In the run-up to both the Brexit referendum and to Trump's US election win in 2016, online tabloid newspapers, including the UK's Mail Online, the US's Gawker and Poland's Pudelek, accurately anticipated voting outcomes, whilst broadsheets failed to capture the public mood.

Dr Helena Chmielewska-Szlajfer's analysis of over 2,000 online articles, and over two dozen interviews with tabloid journalists, reveals how the tabloid penchant for celebrity gossip, sensationalist copy and forthright political opinion, often dismissed as lowbrow and far removed from traditional political surveys and expert analyses, actually helped tabloids to engage and align with the views of the general public.



cy Brexit do p

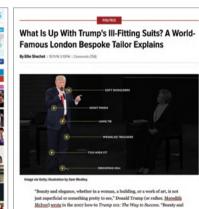




Headline: "Brexit supporters to Polish emigrants: 'Go home Polish scum"

by standard press regulations. Professional titles such as "Political Editor" and the inclusion of comments from industry experts help the stories to carry authority and journalistic weight.





COMMENTS

COMMENTS In the US elections and UK referendum of 2016, tabloid comment sections were forums for a range of viewpoints. In contrast to more traditional surveys which tried to solicit opinions from members of the public, readers used online platforms to actively volunteer their views.

COMMENTS (5,600) Popular Best Worst Reply

Timo84

Reply  $\propto^{\circ}$ 

thampton - 5 hours ago

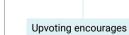
The sensational and scandalising tone of reporting encourages reactive and impassioned comments from readers. 🐲

300 🖒 14 📭

### dr bob

B Lyme Regis - 31 minutes ago Written in a conversational tone, often using sarcastic language and imagery, stories seem ambiguously important and trivial, serious and joking. Interpretations in the comments

help to frame the story, shaping its meaning and content. 50 凸 7 中 Reply  $\propto^{\circ}$ 





PUDELEK

"The topics that were the best in terms of clicks were those which allowed people to vent, to voice their hate b they either envied someone for having something, or they loathed someone, or they noticed that someone was dividing them."

tabloids, the Mail Online credits the secrets to its success with:

ACCESSIBILITY Like many

"editorial excellence, dynamic and engaging content, and a picture-led, easily navigable format available any time, anywhere, on any device." dmgmedia.co.uk





Is Donald Trump's Hair a \$60,000

ave? A Gawker Inves

interaction and amplifies prevailing viewpoints.

Comments help to pinpoint significant themes and common reactions in order to tailor follow-up content.

