

FOR THE WOMEN
FOUNDATION

THE FTW VISION



ABOUT ME

42

Products Brought to Market Fit

\$33m

Total Funding

8

Companies Started

5

Board of Directors/Trustees

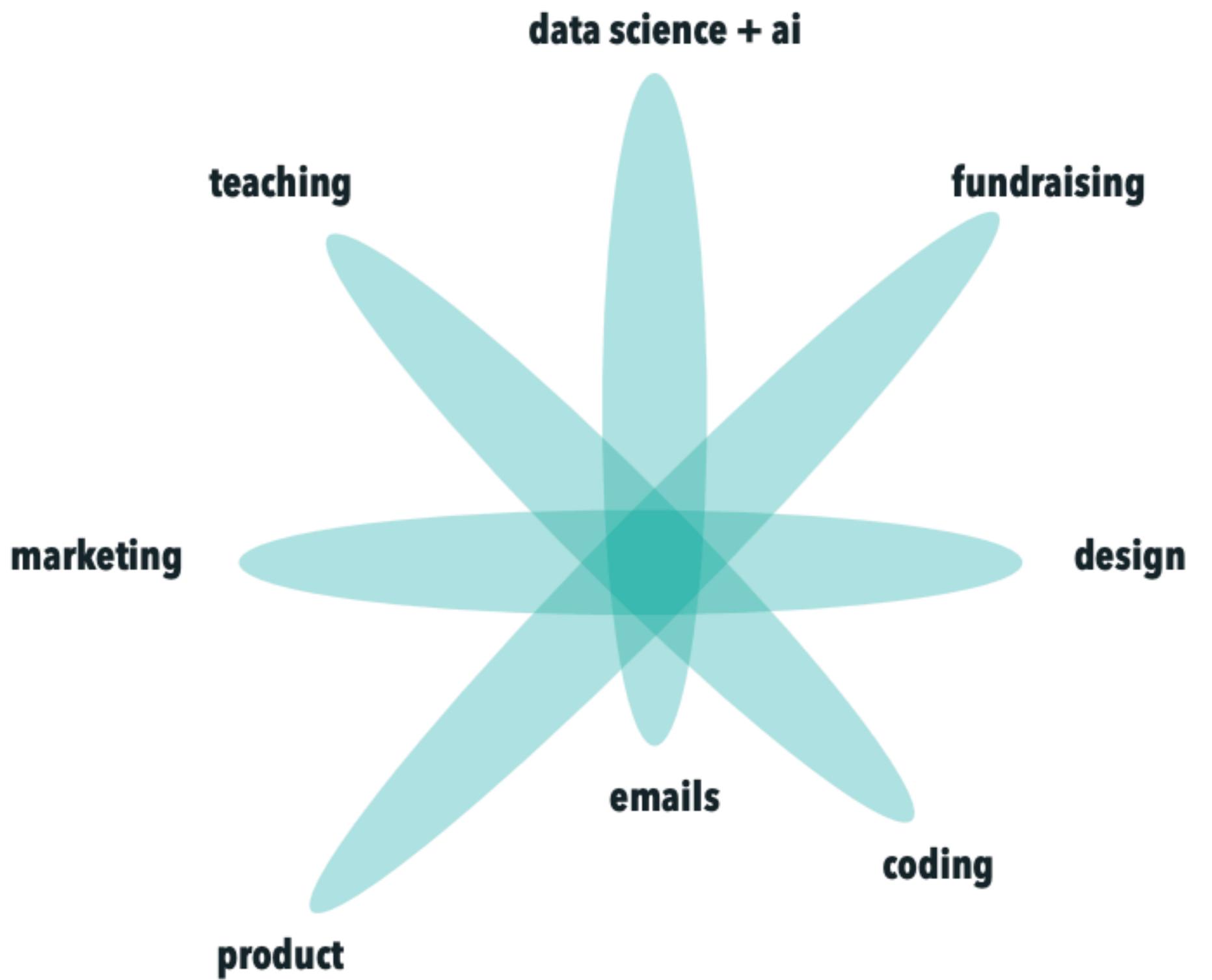
11

7m+ Users

421

People Hired

ABOUT ME

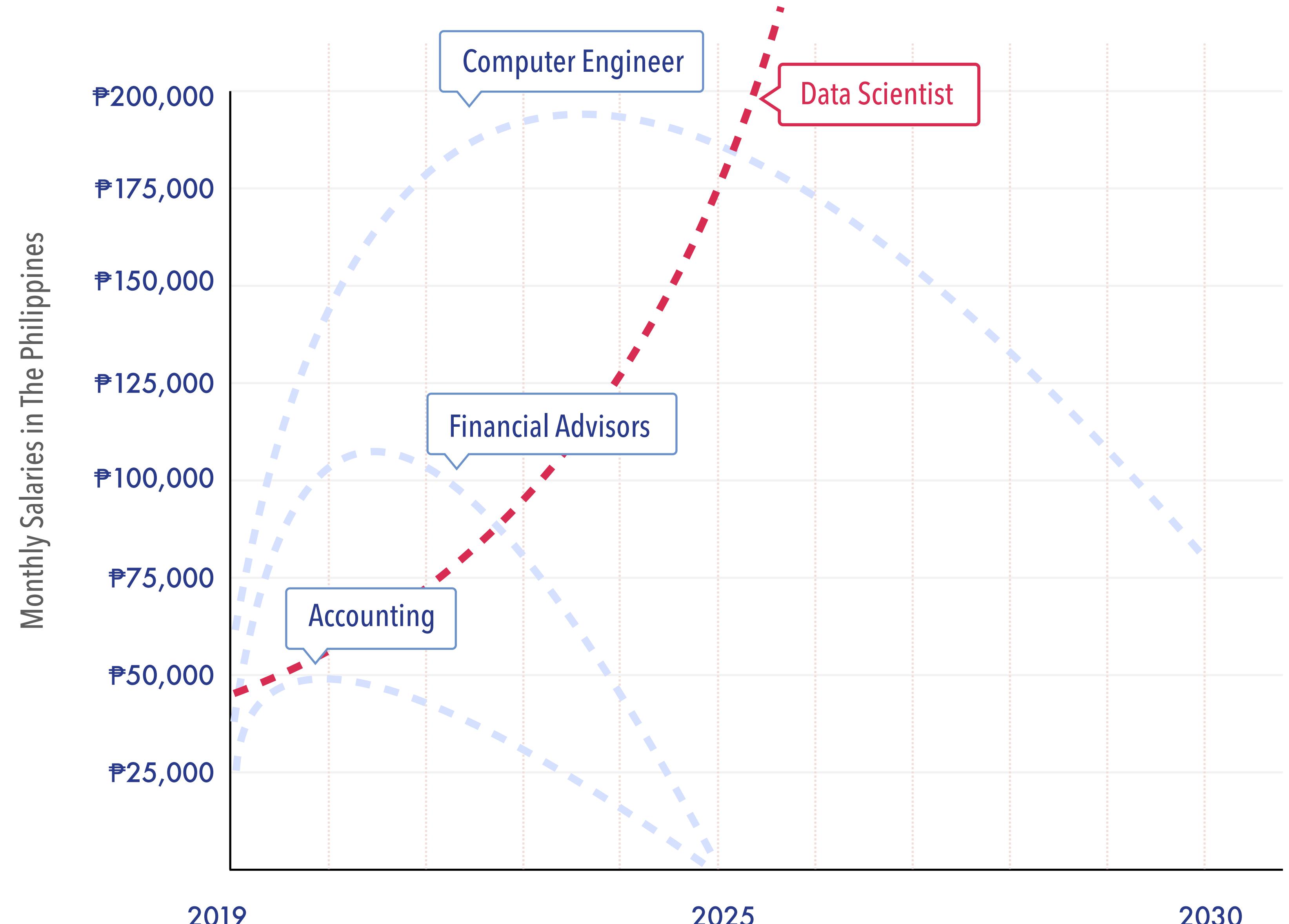


THE UNDENIABLE FACT

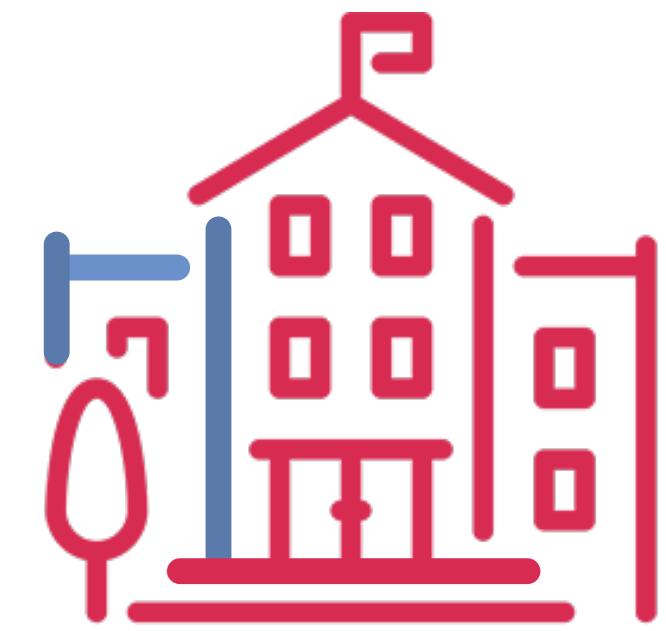
AI will displace 49% of Philippine Jobs

INTERNATIONAL LABOUR ORGANIZATION

In the age of AI,
not all jobs have
bright futures.

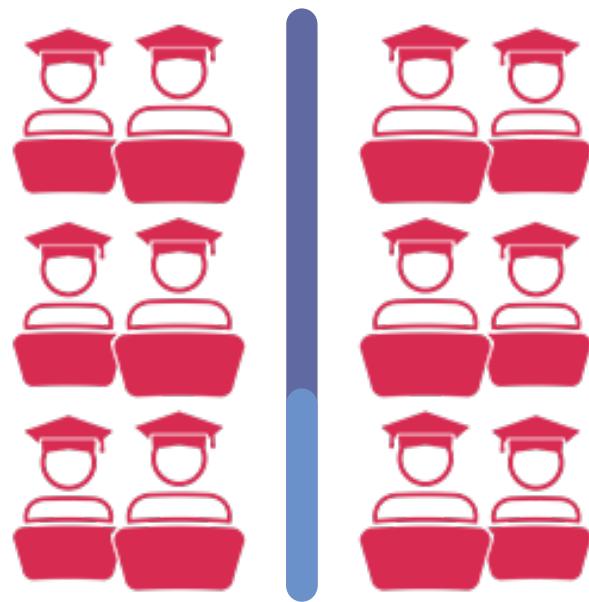


THE PROBLEM IS GLOBAL

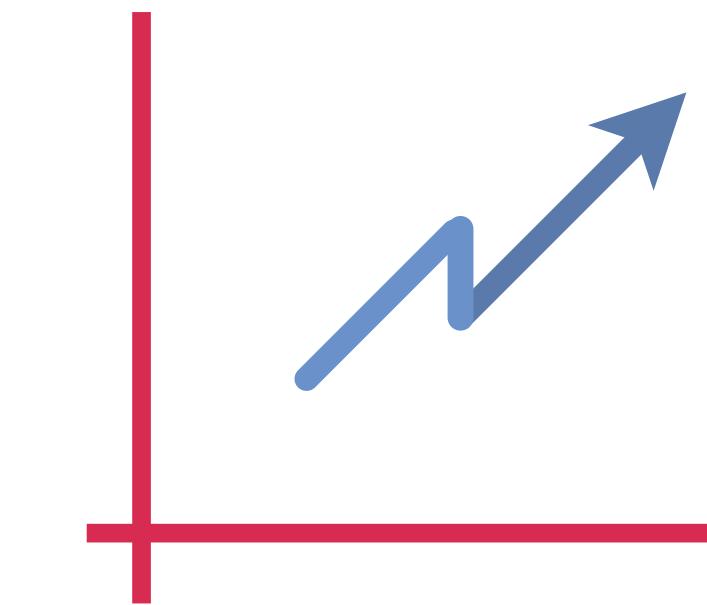


29 out of the 100
top US universities have Data
Science programs

6 have undergraduate
programs



23 Students
average cohort size per Data
Science class



56% YoY Demand
for Data Science roles and the
most "in-demand job"
according to LinkedIn

“Prediction is the essence of
intelligence.”

YANN LECUN, AI CHIEF @ FACEBOOK

WHY AI & DATA SCIENCE

Data Scientists
Data Analyzed

ONLY 0.5% OF THE WORLD'S
DATA IS BEING ANALYZED

IBM, 2013

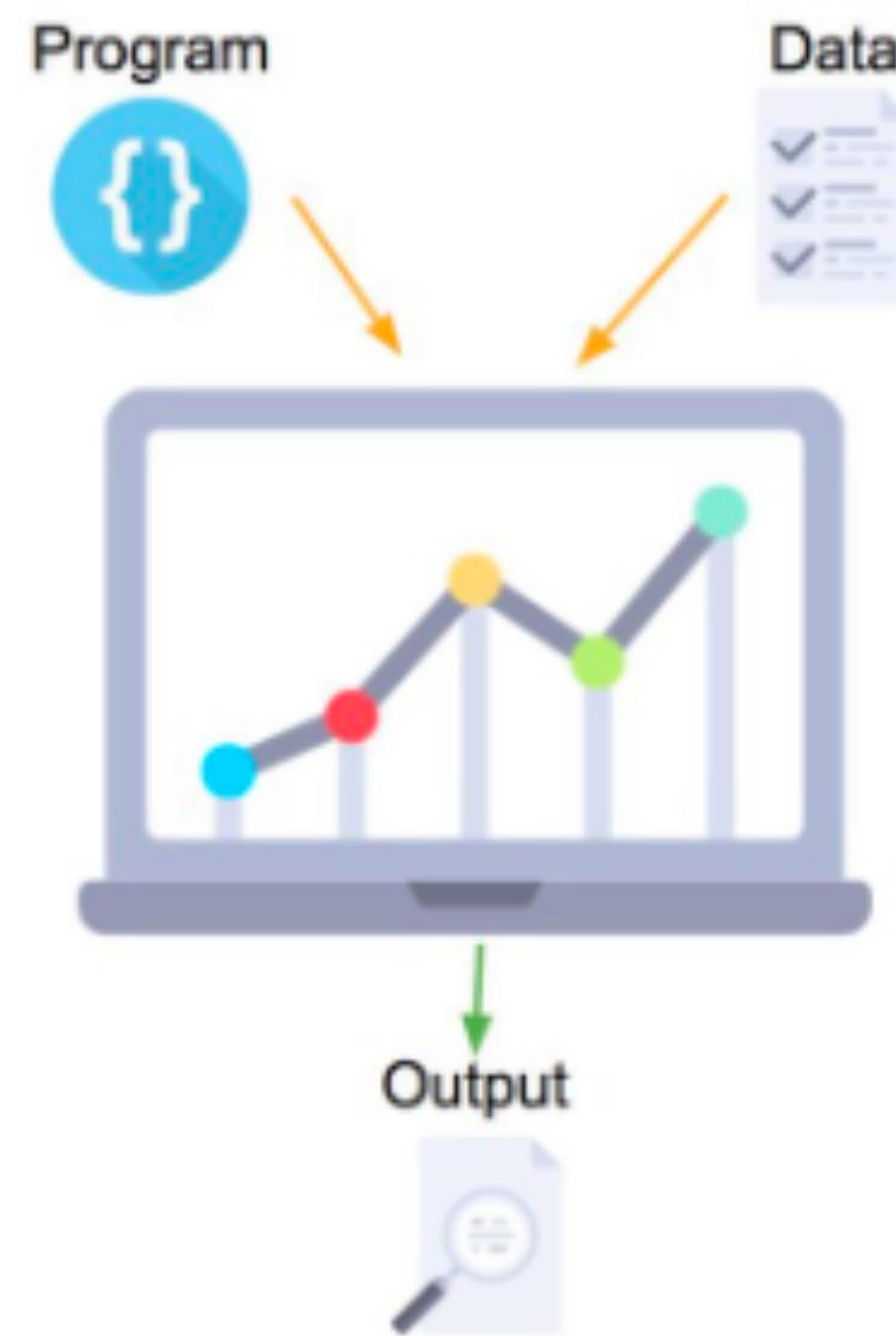
WHY NOW



180 YEARS OF
LEARNING PER DAY

AI VS PROGRAMMING

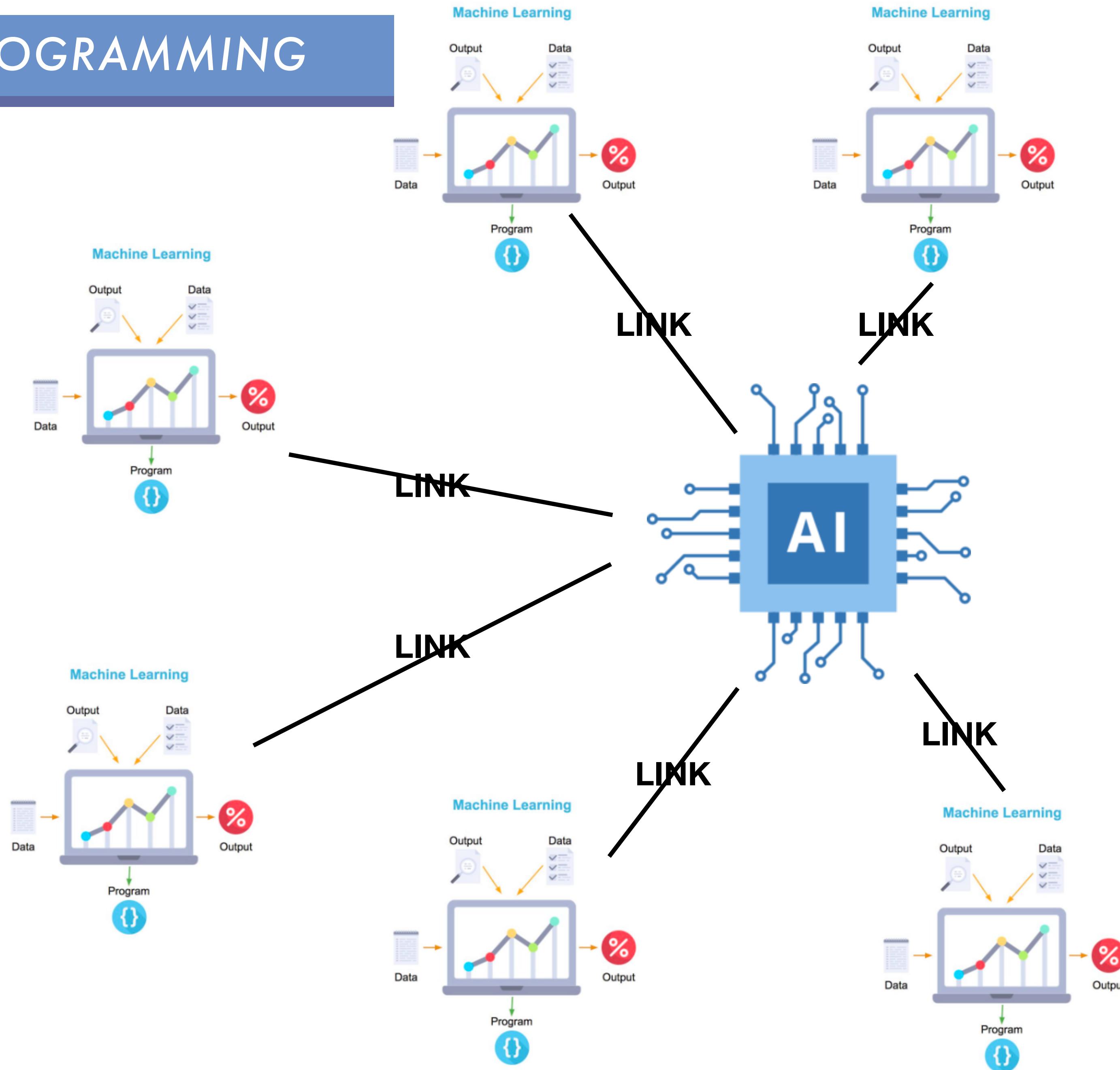
Traditional Programming



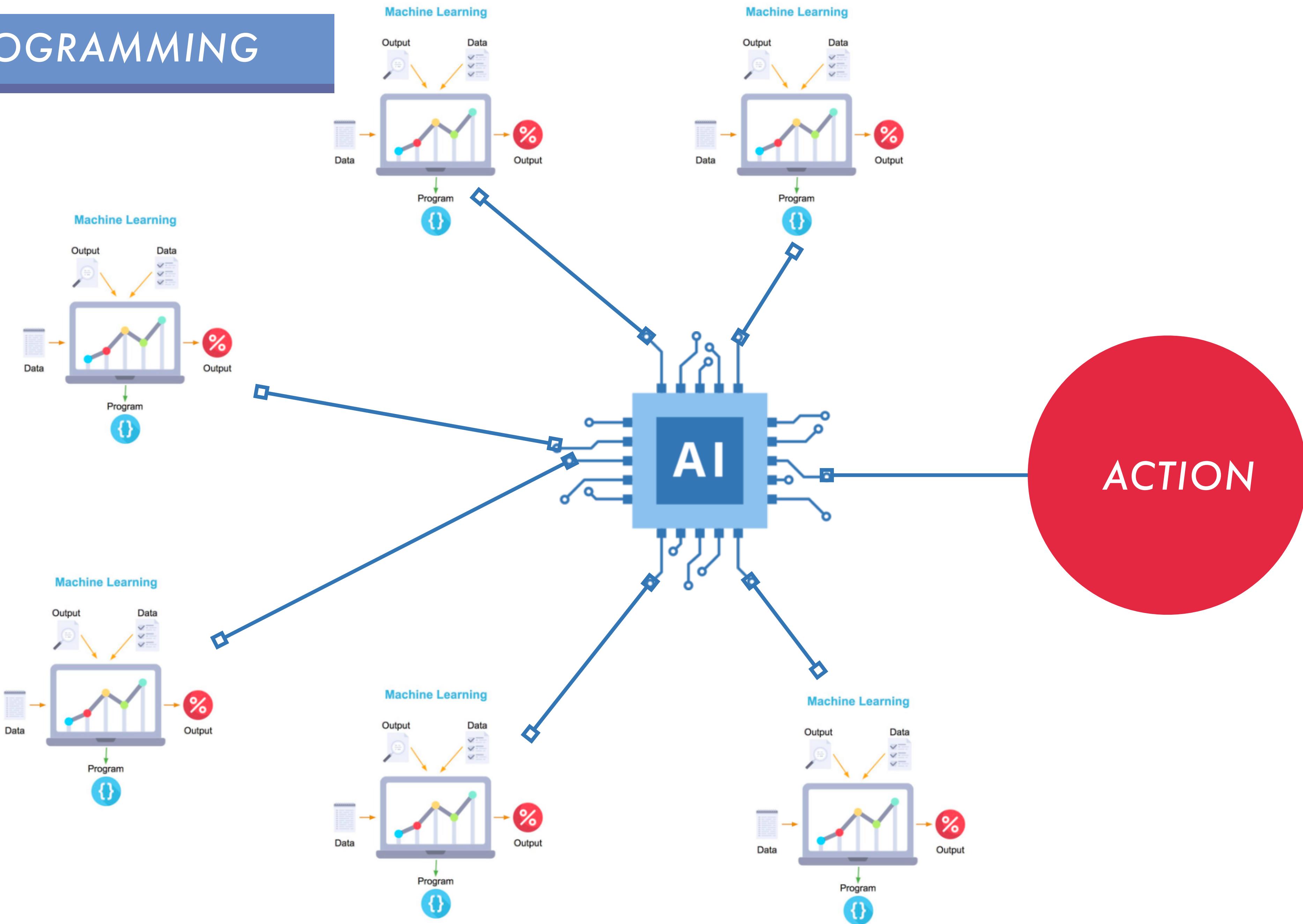
Machine Learning



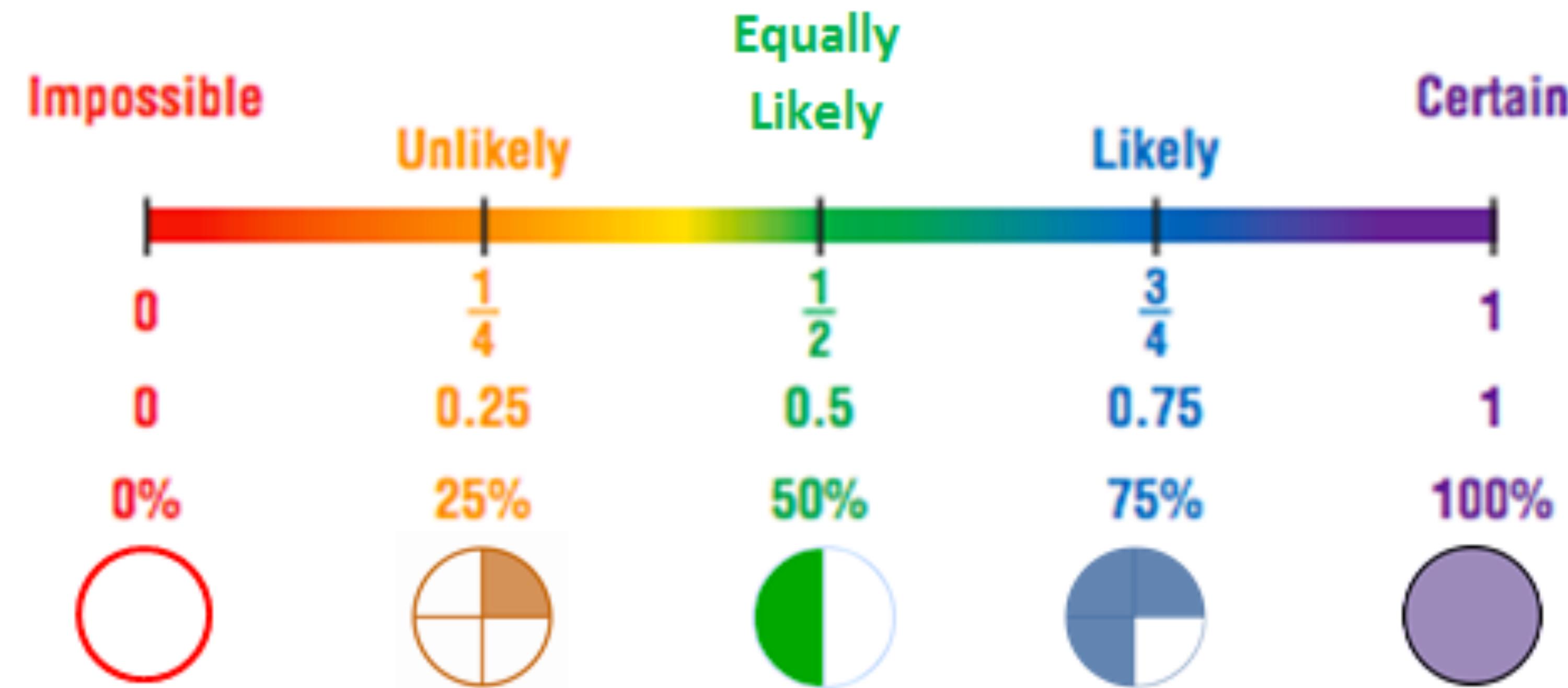
AI VS PROGRAMMING

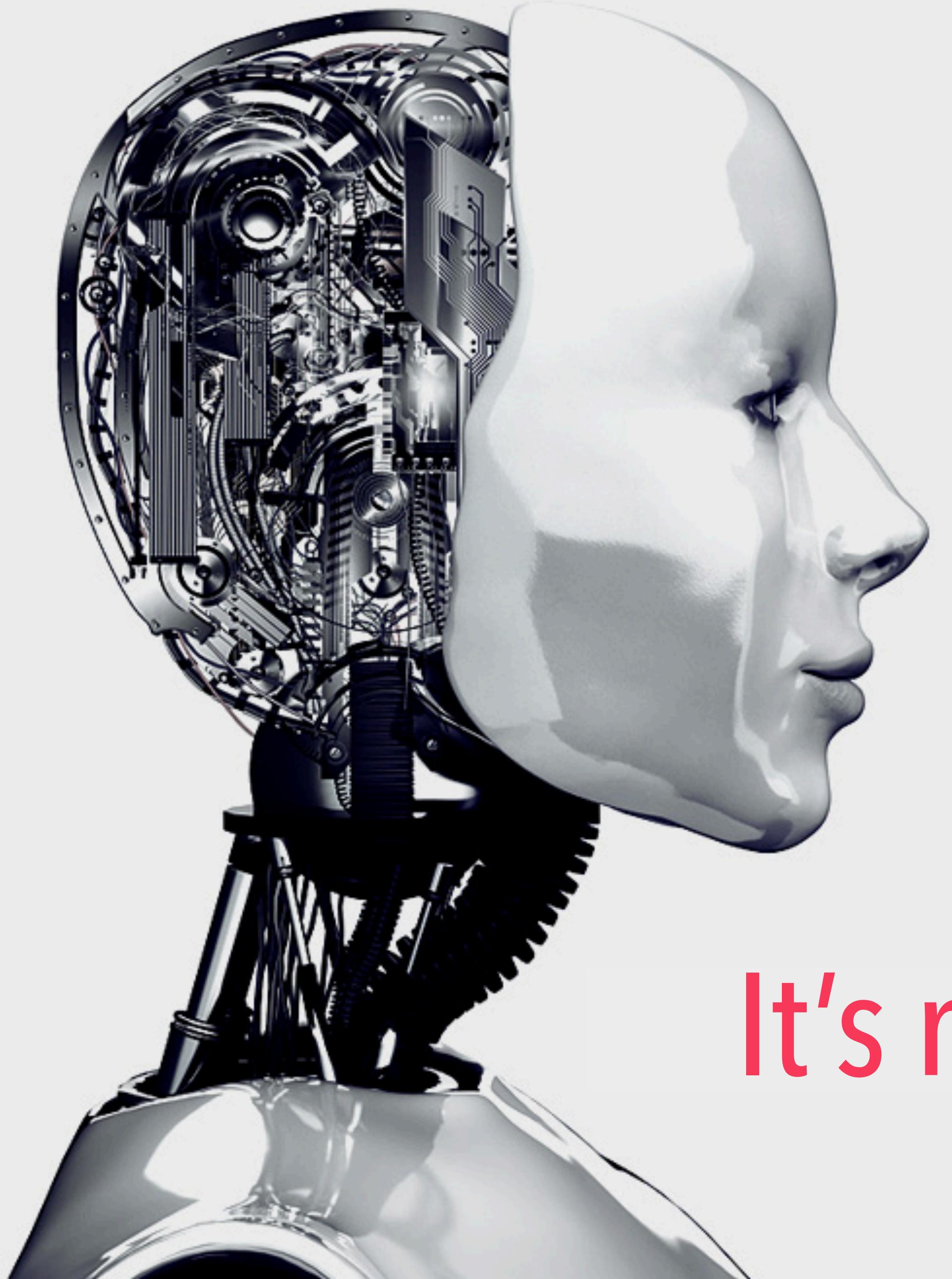


AI VS PROGRAMMING



PROBABILITY

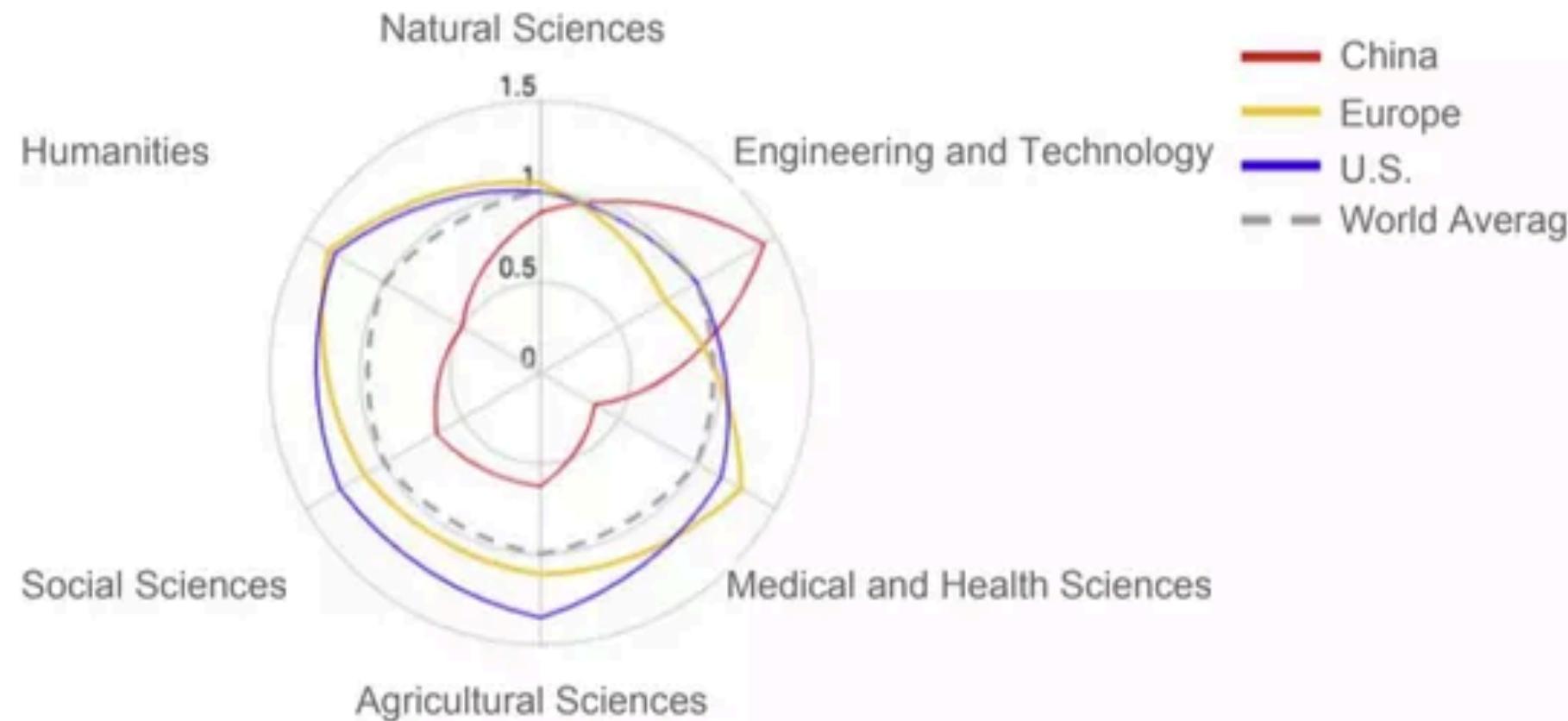




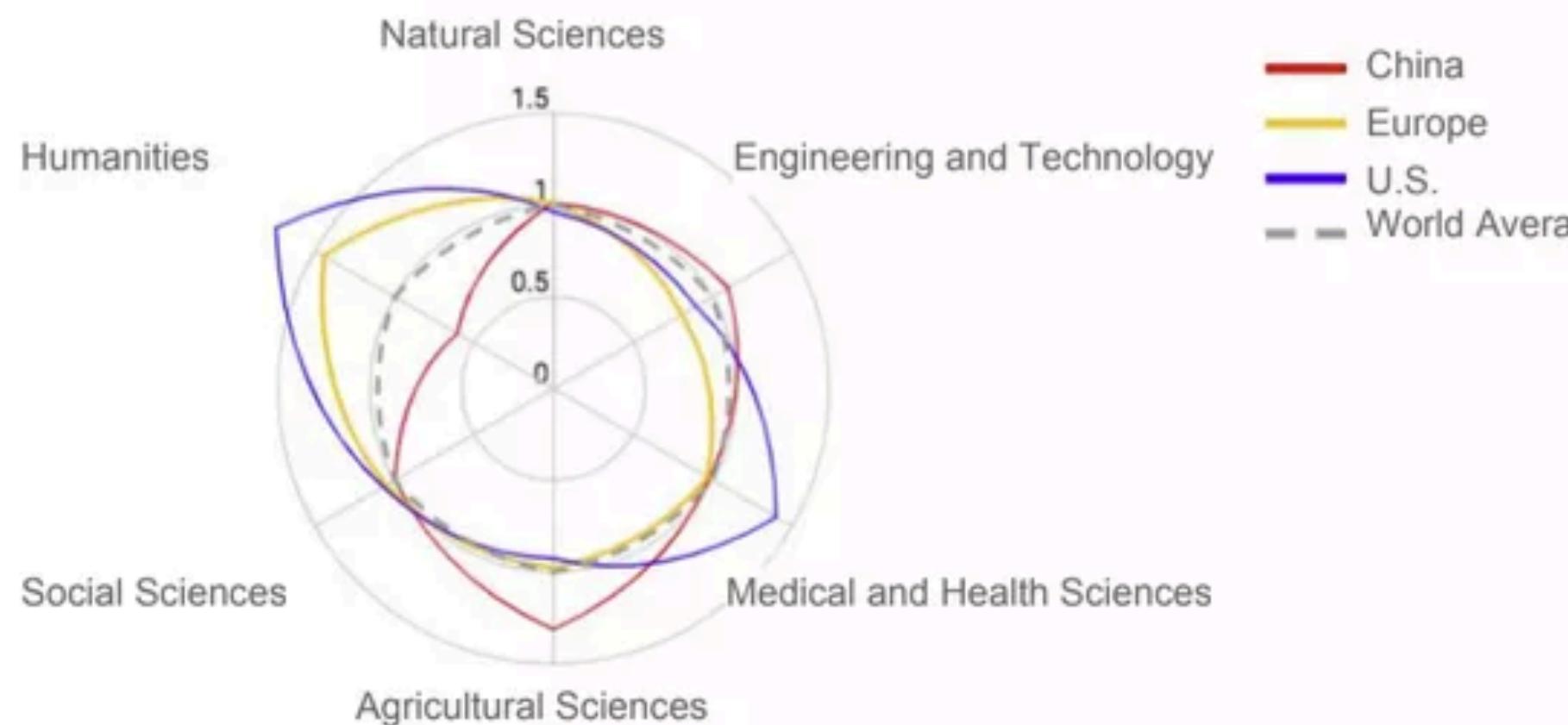
It's not just robots.

WHY AI & DATA SCIENCE

Relative activity focus, by region and AI research sector (2000)
Source: Elsevier



Relative activity focus, by region and AI research sector (2017)
Source: Elsevier



APPLICATIONS

Because you watched Wonder Woman

Sort by **SUGGESTIONS FOR YOU** ▾



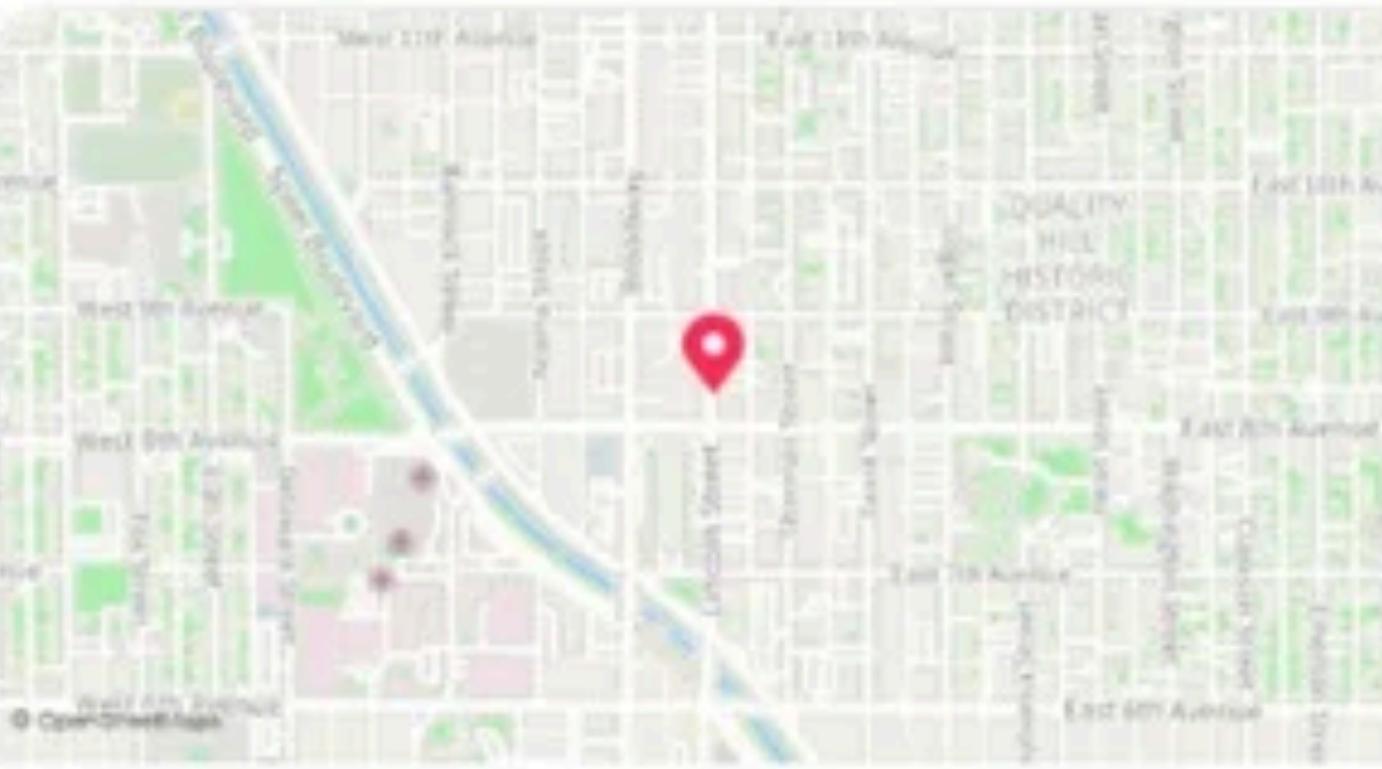
APPLICATIONS

Get Started

Hi Raghav, I'm Hipmunk's bot!

Traveling soon? I can help you dig thru some ideas. Ready?

First, where are you flying from? You can tap on the "Send Location" button or type in your city.



Your Location

Looks like you're planning a getaway from Denver, CO. I'll hit you back with some great recommendations.

This may take a minute. Here's a tip while you wait:

HipTip: You can ask me to find specific travel plans like "cheap flights to San Diego 5/18 to 5/21".

Hipmunk

Options

Search in Conversation

Leave Feedback

Notifications

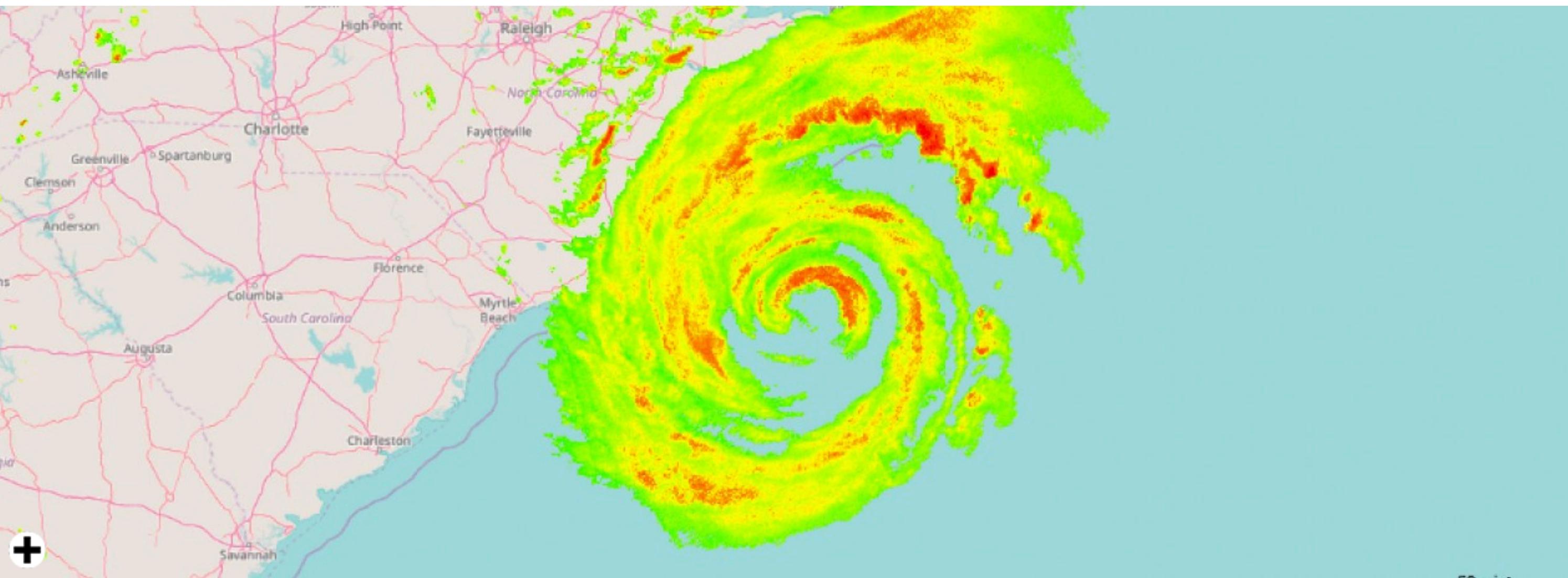
APPLICATIONS



*"Hi, I'm calling to book a
women's haircut for a client."*



APPLICATIONS



CLIMACELL

Climate Change

A weather tech startup wants to do forecasts based on cell phone signals

ClimaCell claims its service, which taps into millions of wireless devices, is 60% more accurate than traditional forecasting methods.

by Douglas Heaven

Apr 30, 2019

Popular

01.

A new camera can photograph you from 45 kilometers away

02.

Welcome to climate change

APPLICATIONS

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Get started today

Feedback Studio

The only comprehensive solution for preventing multiple forms of plagiarism, grading assignments, and safeguarding your institution's reputation.

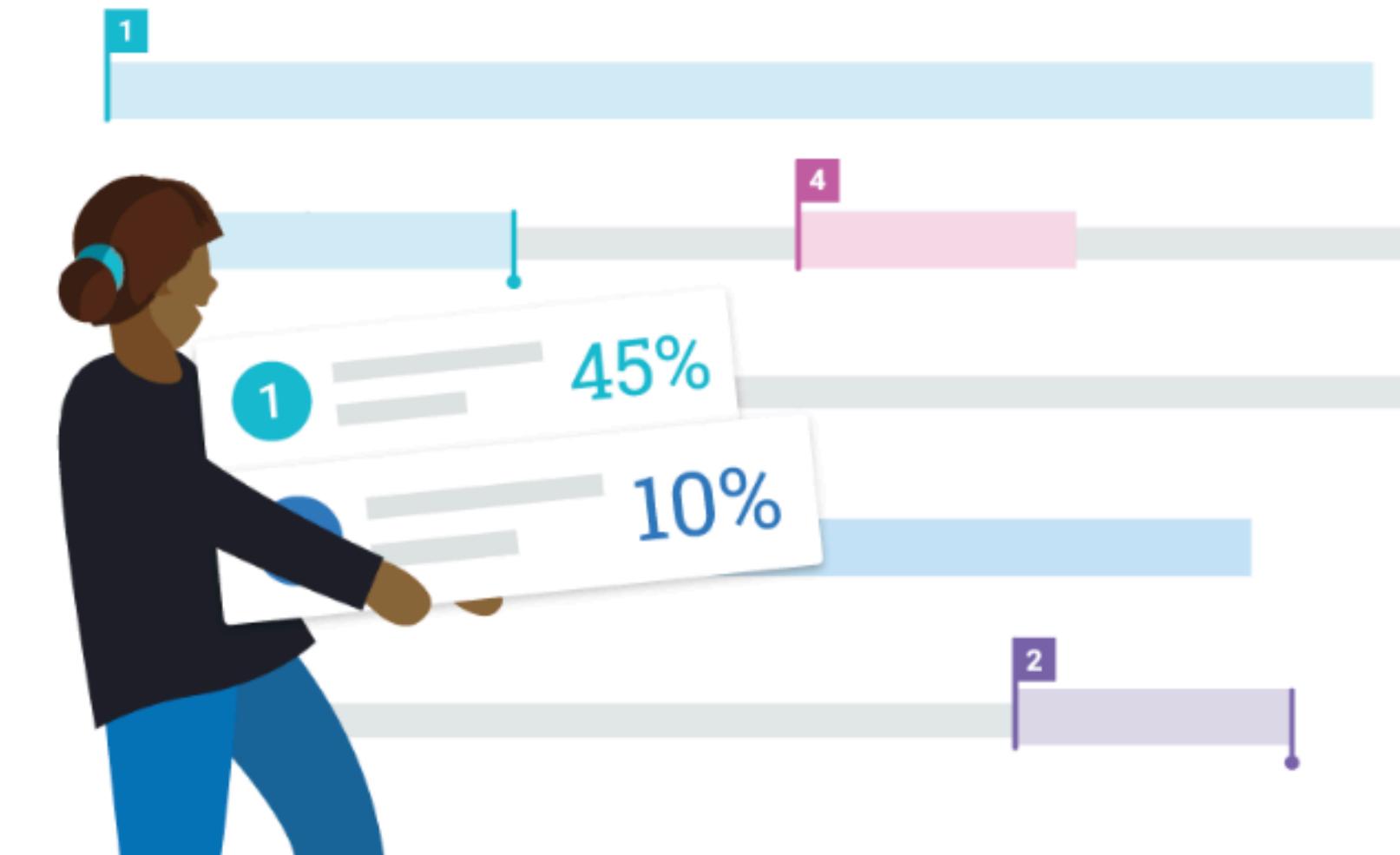
Take a look



Prevent Plagiarism

Encourage original work, investigate authorship, and deter students from submitting assignments that compromise your institution's integrity.

Learn More



APPLICATIONS

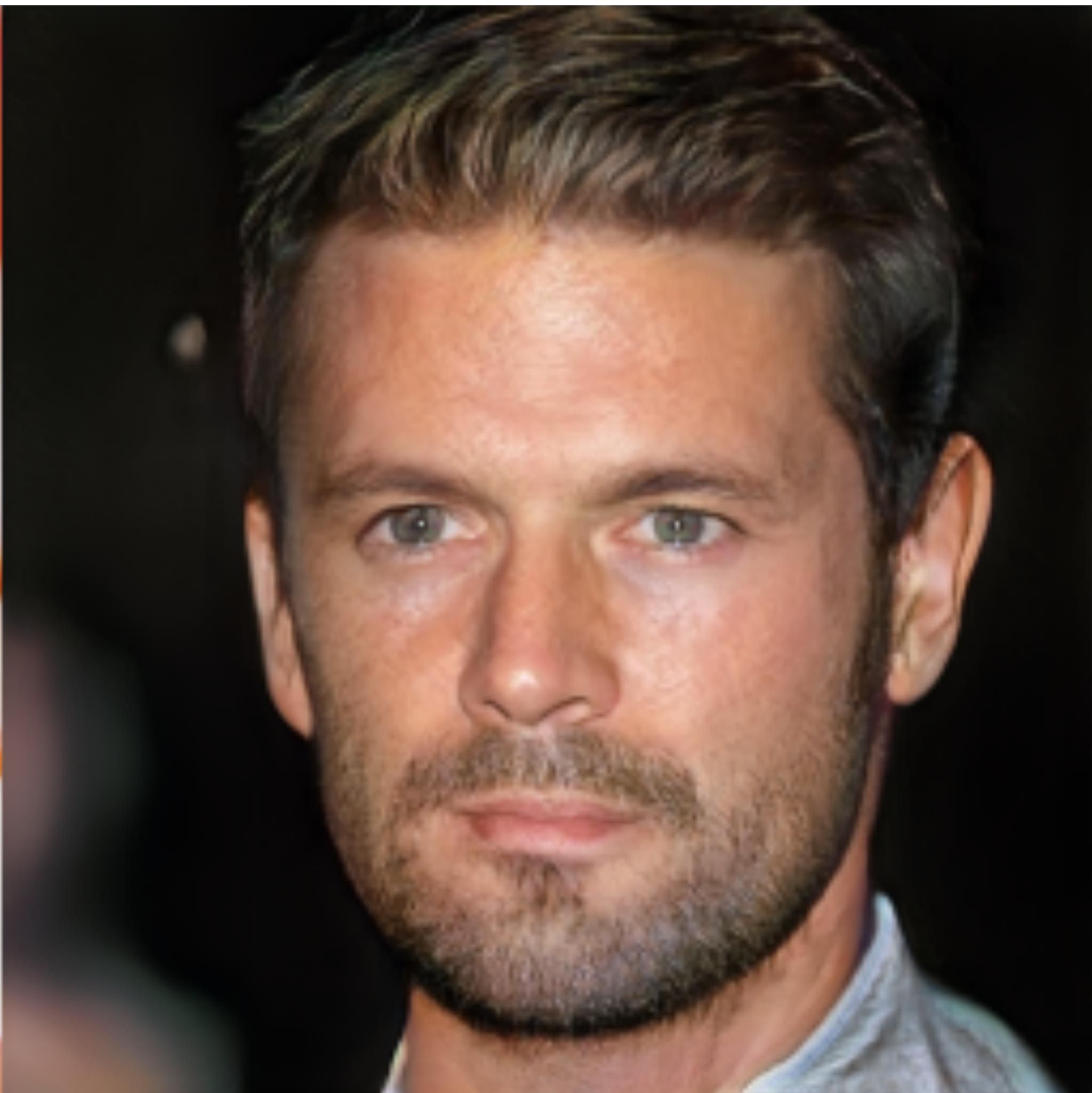
106 STARTUPS TRANSFORMING HEALTHCARE WITH AI



APPLICATIONS



APPLICATIONS



APPLICATIONS



A Machine Learning Framework to Identify Students at Risk of Adverse Academic Outcomes*

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ABSTRACT

Many school districts have developed successful intervention programs to help students graduate high school on time. However, identifying and prioritizing students who need those interventions the most remains challenging. This paper describes a machine learning framework to identify such students, describes features that are useful for this task, applies several classification algorithms, and evaluates them using metrics important to school administrators. To help test this framework and make it practically useful, we partnered with two U.S. school districts with a combined enrollment of approximately of 200,000 students. We together designed metrics to evaluate the framework's performance and tools such as interactive dashboards to help match at risk students with appropriate supports. This paper focuses on students at risk of not finishing high school on time, but our framework lays a foundation for future work on other adverse academic outcomes.

Categories and Subject Descriptors

I.2.1 [Artificial Intelligence]: Applications and Expert Systems

Keywords

evaluation metrics; applications; education; risk prediction;

1. INTRODUCTION

One of the perennial challenges faced by school districts is to improve student graduation rates. Though the magnitude of this problem has reduced due to a steady rise in high school graduation rates over the past few years, nearly 730,000 students in the United States (U.S.) do not finish high school on time every year [28]. A myriad of reasons ranging from economic problems, lack of motivation, and unexpected life changes can delay students' graduation or cause them to drop out [7, 13, 24]. Studies have shown that not graduating high school on time impacts a student's future career prospects immensely [1, 18]. In addition, students who do not graduate on time can strain school districts' resources. To address this issue, school districts have been heavily investing in the construction and deployment of intervention programs to better support at risk students and their individual needs.

The success of these individualized intervention programs depends on schools' ability to accurately identify and prioritize students who need help. Traditionally, schools relied on feedback from instructors and used heuristic rules based on metrics such as GPAs, absence rates, and tardiness to identify at-risk students [8]. Though human judgment and heuristics can often be accurate, they serve as rules of thumb, are static, expensive to maintain, and often error prone [25]. Further, the set of heuristics which might help in identifying at-risk students for a particular cohort of students within one school district might not generalize or

FUTURE APPLICATIONS

f

What's happening

Update Status Add Photo / Video

What's on your mind?

Sally Amelia Scott via Jamie Gargett 3hrs

Alexander Brown Commented on Sally Amelia Scott's photo

Josh Johnson Likes Ronnie Pickering's Video

Sarah Gargett shared BBC's video 748,593 views

JJ Grice Commented on Jon Jon's Status

Messenger

Jamie Gargett

Eden Bell

Tami Dillon

Lawrence Callendar

Jane Brown

Ben Deeming

Jack Bond

Sally Amelia Scott

Al Forsyth

Mark Dee

Ian Charles Carter

Categories

Preference categories

New categories

GAMING

SPORT

CARS

ADVENTURE

341,3k Live streams

23,1mil Watching

755mil Registered

Trending Articles

Joan Collins: Actress Talks About Goddaughter Cara Delevingne on 'The Jonathan Ross Show'

Westfield London: Couple Reportedly Banned From London for 8 Weeks After Having Oral Sex in Public

#DoctorWho: Science Fiction Series Airs Episode 8 of Series 35 on BBC One

Egypt: Foreign Minister Criticizes Western Nations for Response to Metrojet Plane Crash

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Cheap Train Tickets for 16-25 trainline.co.uk

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore...

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Typi non habent claritatem insitam; est usus legentis in iis qui facit eorum claritatem. Investigationes demonstraverunt...

This screenshot shows the Facebook mobile application interface. The top navigation bar includes a blue header with the letter 'f' logo, a search bar, and a menu icon. Below the header is a world map with red dots indicating live streams, with statistics: 341,3k Live streams, 23,1mil Watching, and 755mil Registered. The main content area features a news feed with various posts: a status update from Sally Amelia Scott, comments from Alexander Brown and Josh Johnson, a video shared by Sarah Gargett, and a status update from JJ Grice. On the left, there's a sidebar for 'Trending Articles' and a 'Sponsored' section with an advertisement for cheap train tickets. The bottom part of the screen shows a grid of categories: GAMING (soccer player), SPORT (swimmer), CARS (blue sports car), and ADVENTURE (mountain landscape). A sidebar on the right lists user names with green dots next to them, indicating they are online.

Search

341,3k Live streams

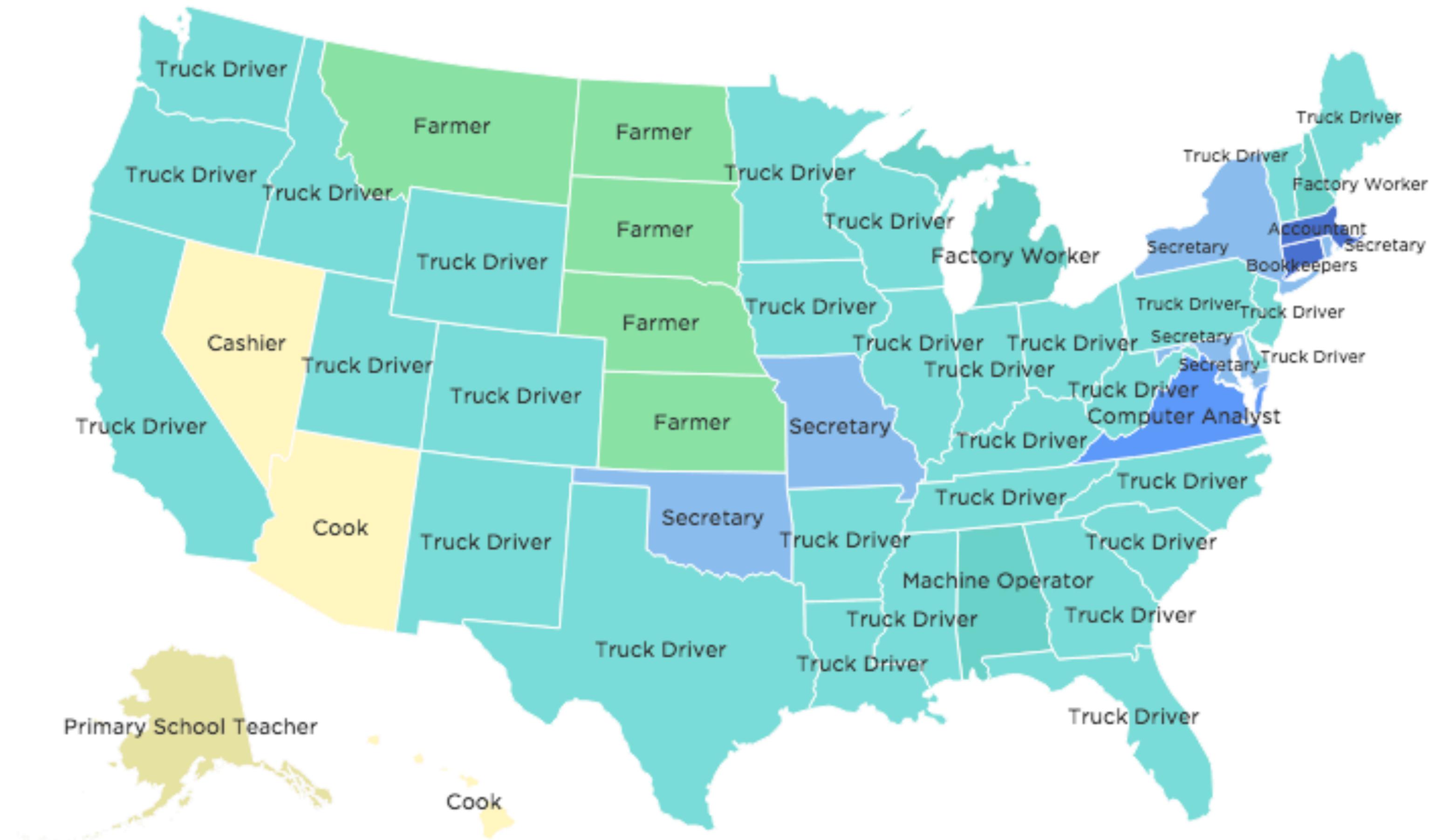
23,1mil Watching

755mil Registered

This screenshot shows the Facebook homepage. At the top is a large world map where each continent has a red dot indicating live streams, with numerical labels: 3,2k (Europe), 4,7k (North America), 0,6k (Africa), 1,2k (Asia), and 3,1k (Australia/Oceania). To the right of the map are three large statistics: '341,3k Live streams', '23,1mil Watching', and '755mil Registered'. The main content area below the map is currently empty, showing a light purple background. The top navigation bar includes a blue header with the letter 'f' logo, a search bar, and a menu icon.



DRIVERLESS TRUCKS



ethics is the reasonable obligation
to refrain from hurting others

ETHICS SCENARIO



ETHICS SCENARIO



ETHICS SCENARIO



ETHICS SCENARIO



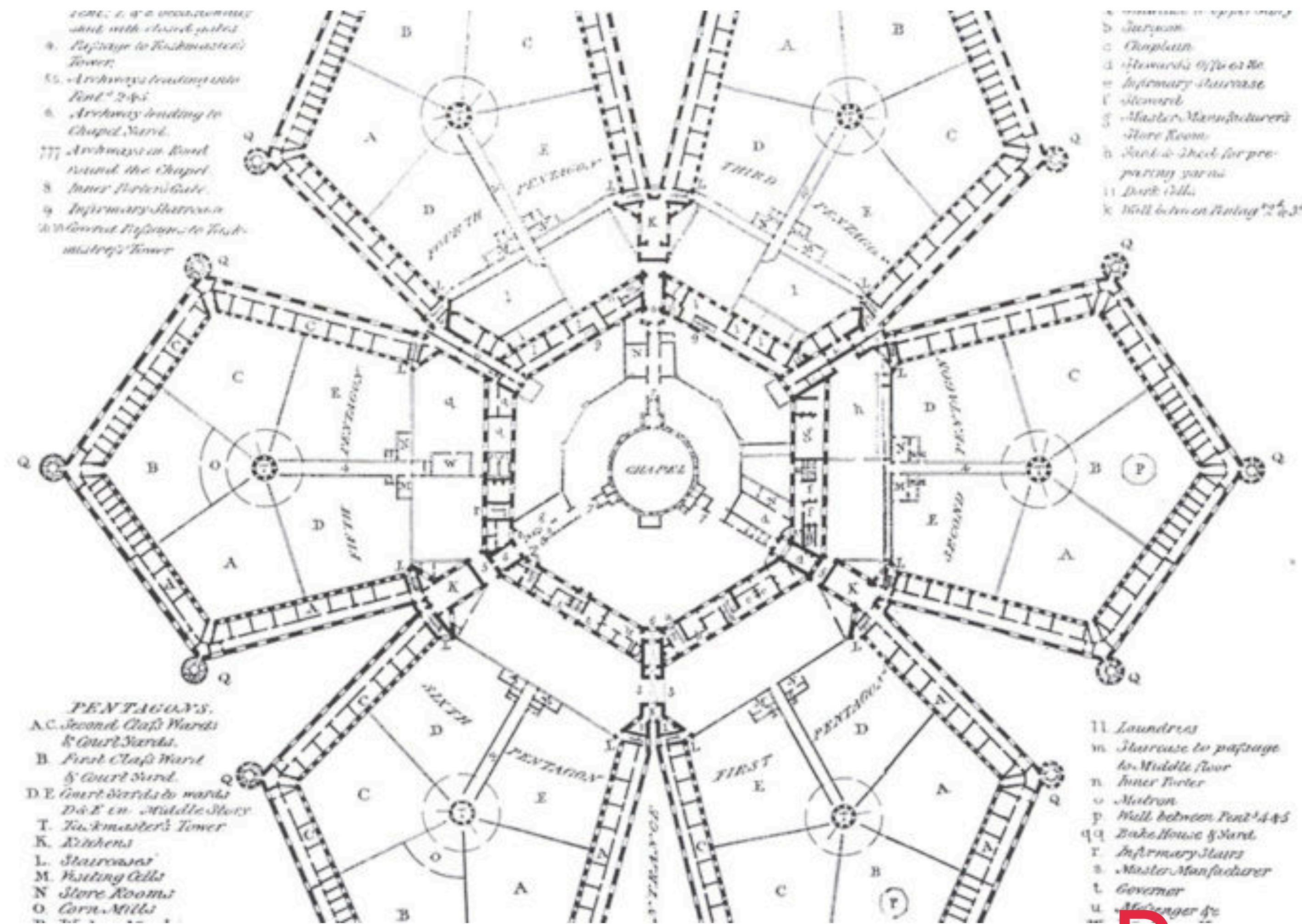
Who Will You Choose to Live?

Panopticon

The scheme of the design is to allow all (*pan-*) inmates of an institution to be observed (-*opticon*) by a single watchman without the inmates being able to tell whether or not they are being watched. Although it is physically impossible for the single watchman to observe all the inmates' cells at once, the fact that the inmates cannot know when they are being watched means that they are motivated to act as though they are being watched at all times. Thus, they are effectively compelled to regulate their own behaviour.

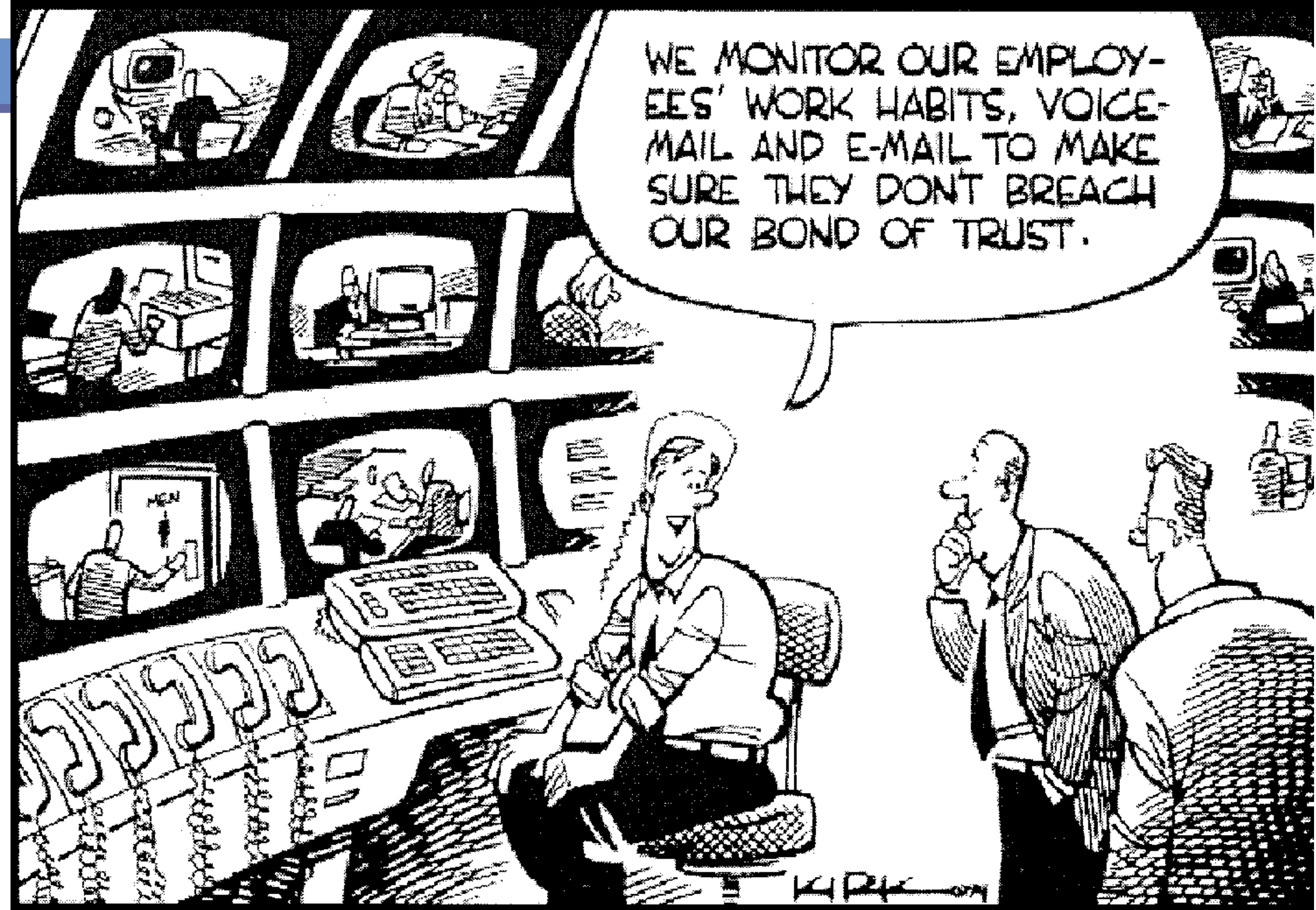
JEREMY BENTHAM, 1787

THE BURDEN



Panopticon

THE BURDEN



You Feel the Gravity of Your Power
and Act Towards the Greater Good.

“If we have data, let's look at data. If all we have our opinions, let's go with mine.”

JIM BARKSDALE

WHY DATA

TYPES OF ARGUMENTS

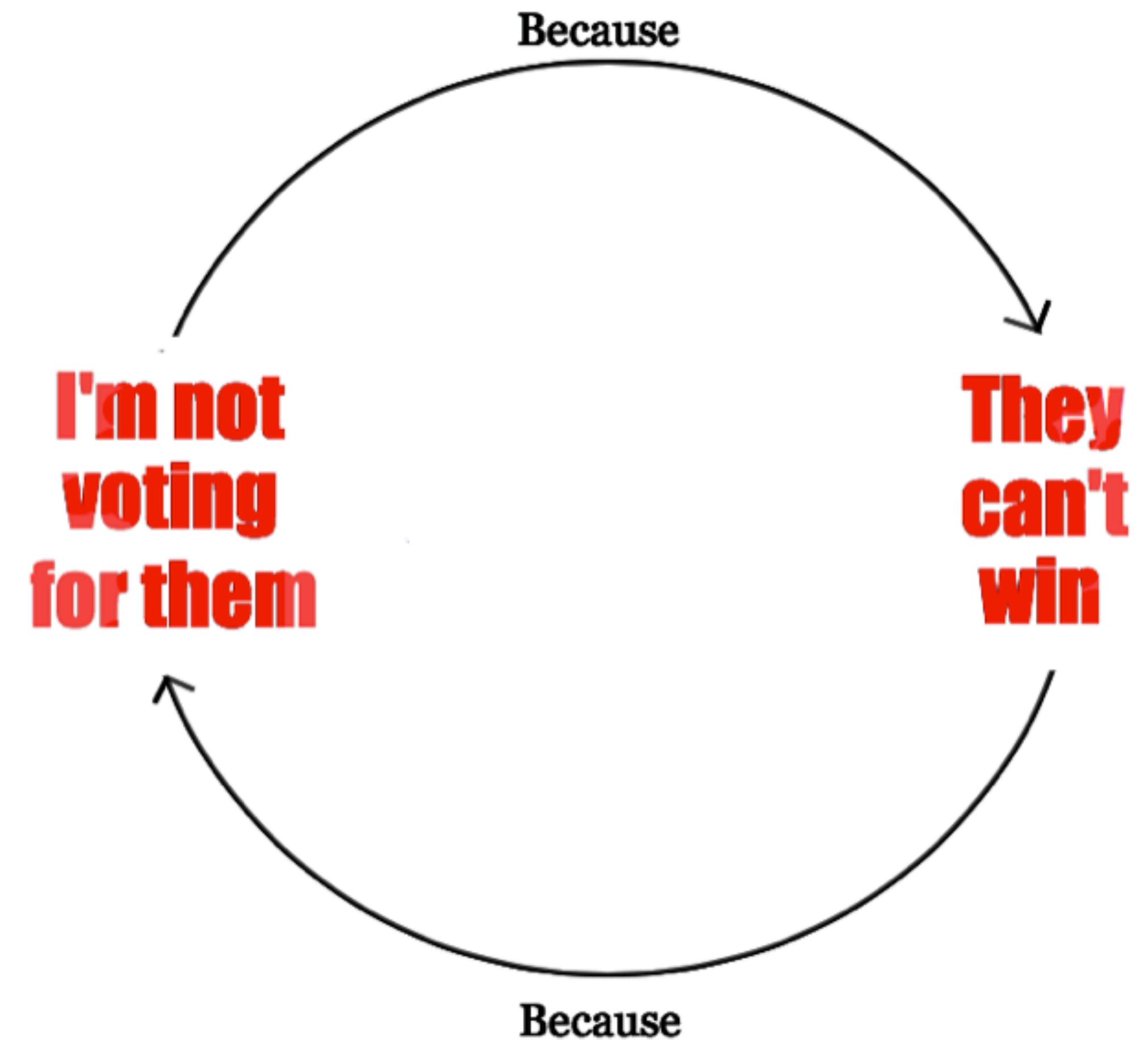
Logical Fallacy

a mistaken belief, especially one based on unsound argument.

Circular Reasoning

A sentence or argument that restates rather than proves. Thus, it goes in a circle:

'President Reagan was a great communicator because he had the knack of talking effectively to the people.'



Strawman Fallacy

Substituting a person's actual position or argument with a distorted, exaggerated, or misrepresented version of the position of the argument. Person 2 restates person 1's claim (in a distorted way). Person 2 attacks the distorted version of the claim.

Ted: Biological evolution is both a theory and a fact.

Edwin: That is ridiculous! How can you possibly be absolutely certain that we evolved from pond scum!

Ted: Actually, that is a gross misrepresentation of my assertion. I never claimed we evolved from pond scum. Unlike math and logic, science is based on empirical evidence and, therefore, a scientific fact is something that is confirmed to such a degree that it would be perverse to withhold provisional consent. The empirical evidence for the fact that biological evolution does occur falls into this category.

Ad Hominem

Attacking the person making the argument instead of the argument itself when the attack is completely irrelevant to the argument the person is making.

Hitler used ad hominem arguments.



Therefore, ad hominem arguments are wrong.

Hasty Generalization

Drawing a conclusion based on a small sample size, rather than looking at statistics that are more in line with the typical or average situation.

The Hasty Generalization Fallacy

A hasty generalization is a conclusion that is not logically justified by sufficient (or sufficiently unbiased) evidence.



Be Careful of Stats

A physicist, a mathematician, and a statistician go hunting. They spot a deer, and take aim.

The physicist shoots first and misses 10 meters to the right.

The mathematician shoots next and misses 10 meters to the left.

The statistician then throws down his gun and proclaims, "we got it!"

Mob Wars

Level 8784 2719
XP: 9107 / 222848
Gifting Requests (67) 2197

\$ 6,261,045,189,169,900 167408/237950 29260/33259 13169/6138
more in: 59:05 more in: 00:18 more in: 02:21 Stamina Full

Home Jobs City Stockpile Fight My Mob My Family My Boss Black Market

Head

Armor

Weapon (R) **Weapon (L)**

Vehicle

Attack:	30664 »	31307
Defense:	33008 »	33538
Energy:	27759 »	33259
Stamina:	6138 »	6138
Health:	237950 »	237950
* Fill all slots for a 10% ATT / DEF ARMING BONUS *		

Available Inventory - ARMOR

Item Name	Attack	Defense
Eiffel Tower Model [arm]	160	160
DRS Tablet [arm]	151	169
Paris Hermes Coat [arm]	140	98
Baltimore Jersey [arm]	130	130
Rio Hesco Shield [arm]	120	98
Yakuza Sake [arm]	112	89
LA Body Shield [arm]	110	90
Bandit Gloves L1 [arm]	107	136
Mexican Soldier [arm]	105	122
Impact Suit [disarm]	103	82
PPG M-1 [arm]	100	77

Godfather Items - ARMOR

BOSS BATTLE!

THE DUCHESS Level 11

You dealt damage while taking damage.

12 POWER ATTACK

4 ATTACK

VS

CLAMPS!

CURRENTLY EQUIPPED: 5/5

15,618
11,256
1425

Cognitive Biases

WE'RE ALL BIASED

1. Anchoring bias.

People are **over-reliant** on the first piece of information they hear. In a salary negotiation, whoever makes the first offer establishes a range of reasonable possibilities in each person's mind.



2. Availability heuristic.

People **overestimate the importance** of information that is available to them. A person might argue that smoking is not unhealthy because they know someone who lived to 100 and smoked three packs a day.



3. Bandwagon effect.

The probability of one person adopting a belief increases based on the number of people who hold that belief. This is a powerful form of **groupthink** and is reason why meetings are often unproductive.



4. Blind-spot bias.

Failing to recognize your own cognitive biases is a bias in itself. People notice cognitive and motivational biases much more in others than in themselves.



9. Information bias.

The tendency to **seek information when it does not affect action**. More information is not always better. With less information, people can often make more accurate predictions.



10. Ostrich effect.

The decision to **ignore dangerous or negative information** by "burying" one's head in the sand, like an ostrich. Research suggests that investors check the value of their holdings significantly less often during bad markets.



11. Outcome bias.

Judging a decision based on the **outcome** – rather than how exactly the decision was made in the moment. Just because you won a lot in Vegas doesn't mean gambling your money was a smart decision.



12. Overconfidence.

Some of us are **too confident about our abilities**, and this causes us to take greater risks in our daily lives. Experts are more prone to this bias than laypeople, since they are more convinced that they are right.



5. Choice-supportive bias.

When you choose something, you tend to feel positive about it, even if that **choice has flaws**. Like how you think your dog is awesome – even if it bites people every once in a while.



6. Clustering illusion.

This is the tendency to **see patterns in random events**. It is key to various gambling fallacies, like the idea that red is more or less likely to turn up on a roulette table after a string of reds.



7. Confirmation bias.

We tend to listen only to information that confirms our **preconceptions** – one of the many reasons it's so hard to have an intelligent conversation about climate change.



8. Conservatism bias.

Where people favor prior evidence over new evidence or information that has emerged. People were **slow to accept** that the Earth was round because they maintained their earlier understanding that the planet was flat.



13. Placebo effect.

When **simply believing** that something will have a certain effect on you causes it to have that effect. In medicine, people given fake pills often experience the same physiological effects as people given the real thing.



14. Pro-innovation bias.

When a proponent of an innovation tends to **overvalue its usefulness** and undervalue its limitations. Sound familiar, Silicon Valley?



15. Recency.

The tendency to weigh the **latest information** more heavily than older data. Investors often think the market will always look the way it looks today and make unwise decisions.



16. Salience.

Our tendency to focus on the **most easily recognizable features** of a person or concept. When you think about dying, you might worry about being mauled by a lion, as opposed to what is statistically more likely, like dying in a car accident.



17. Selective perception.

Allowing our expectations to **influence how we perceive** the world. An experiment involving a football game between students from two universities showed that one team saw the opposing team commit more infractions.



18. Stereotyping.

Expecting a group or person to have certain qualities without having real information about the person. It allows us to quickly identify strangers as friends or enemies, but people tend to **overuse and abuse** it.



19. Survivorship bias.

An error that comes from focusing only on surviving examples, causing us to **misjudge a situation**. For instance, we might think that being an entrepreneur is easy because we haven't heard of all those who failed.



20. Zero-risk bias.

Sociologists have found that **we love certainty** – even if it's counterproductive. Eliminating risk entirely means there is no chance of harm being caused.



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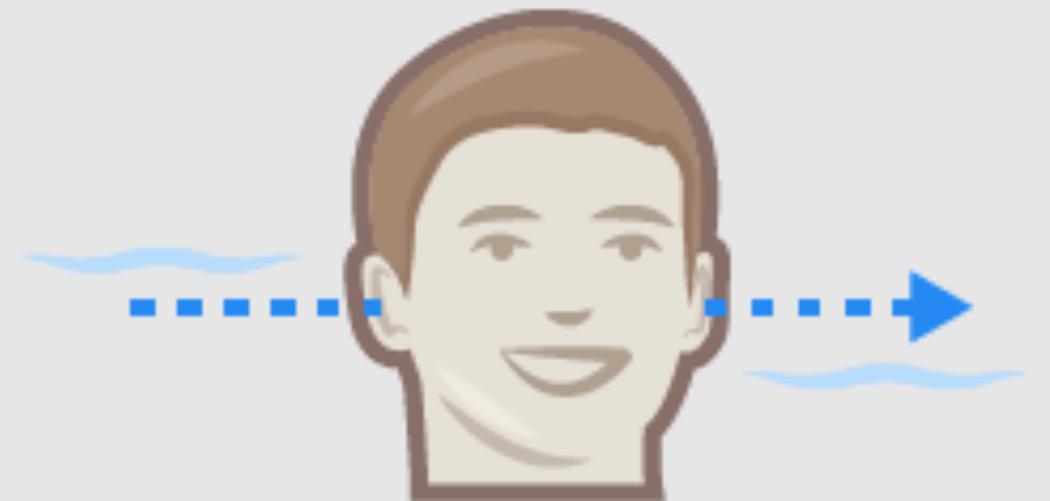
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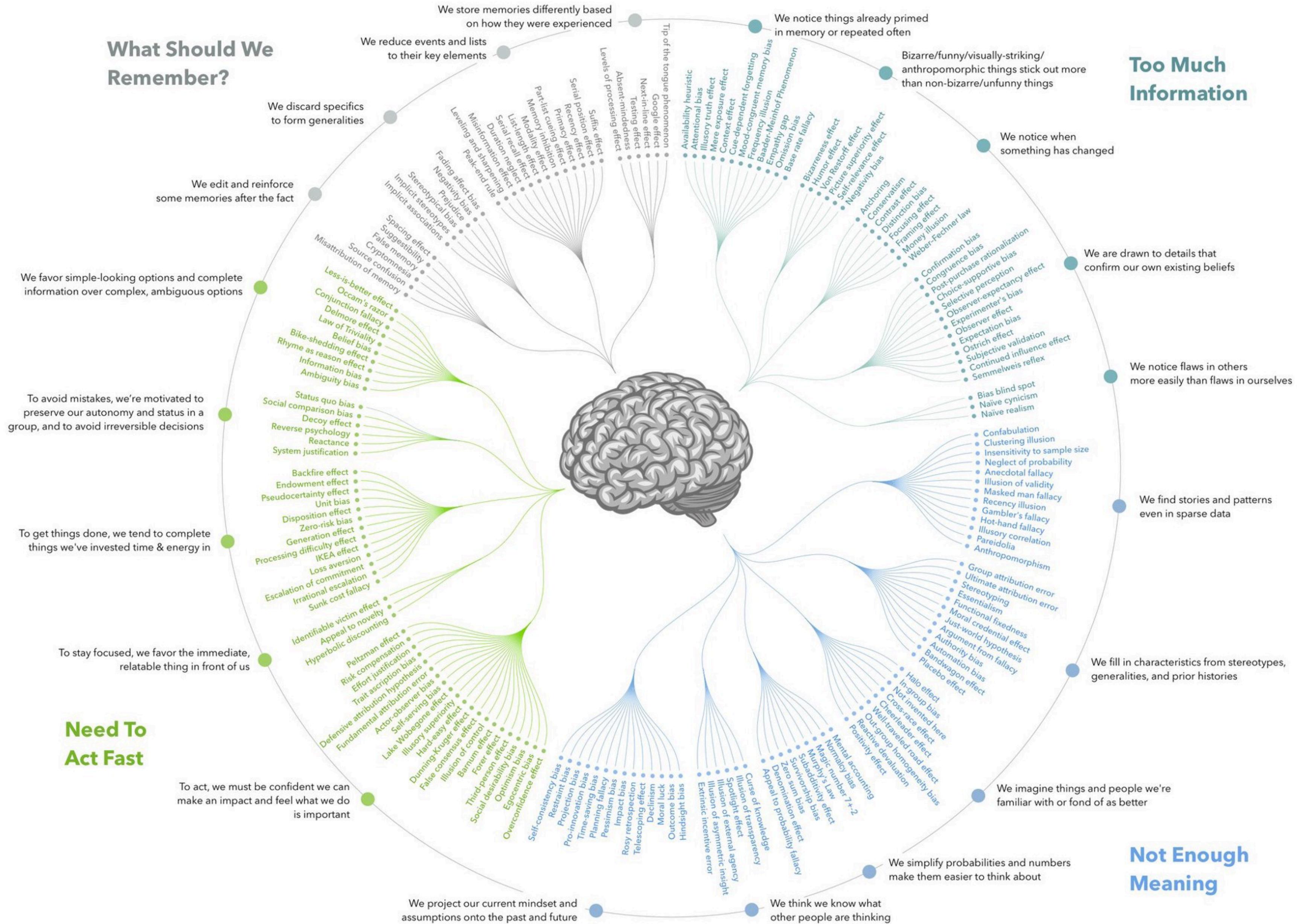


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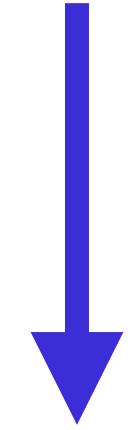


COGNITIVE BIAS CODEX, 2016

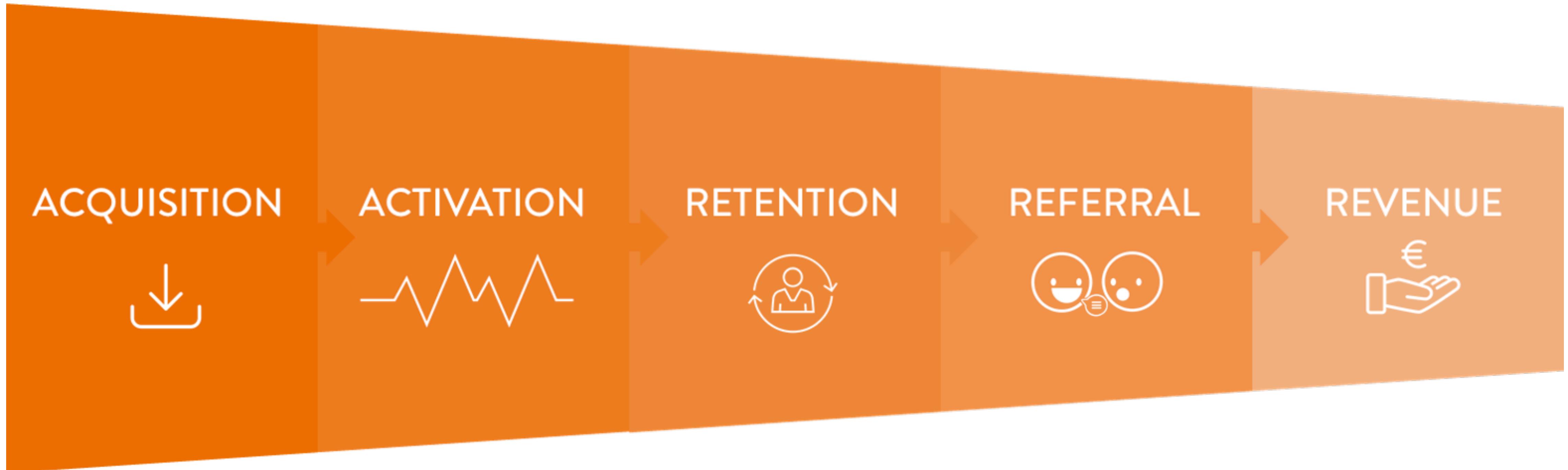


WHAT IS A BUSINESS?

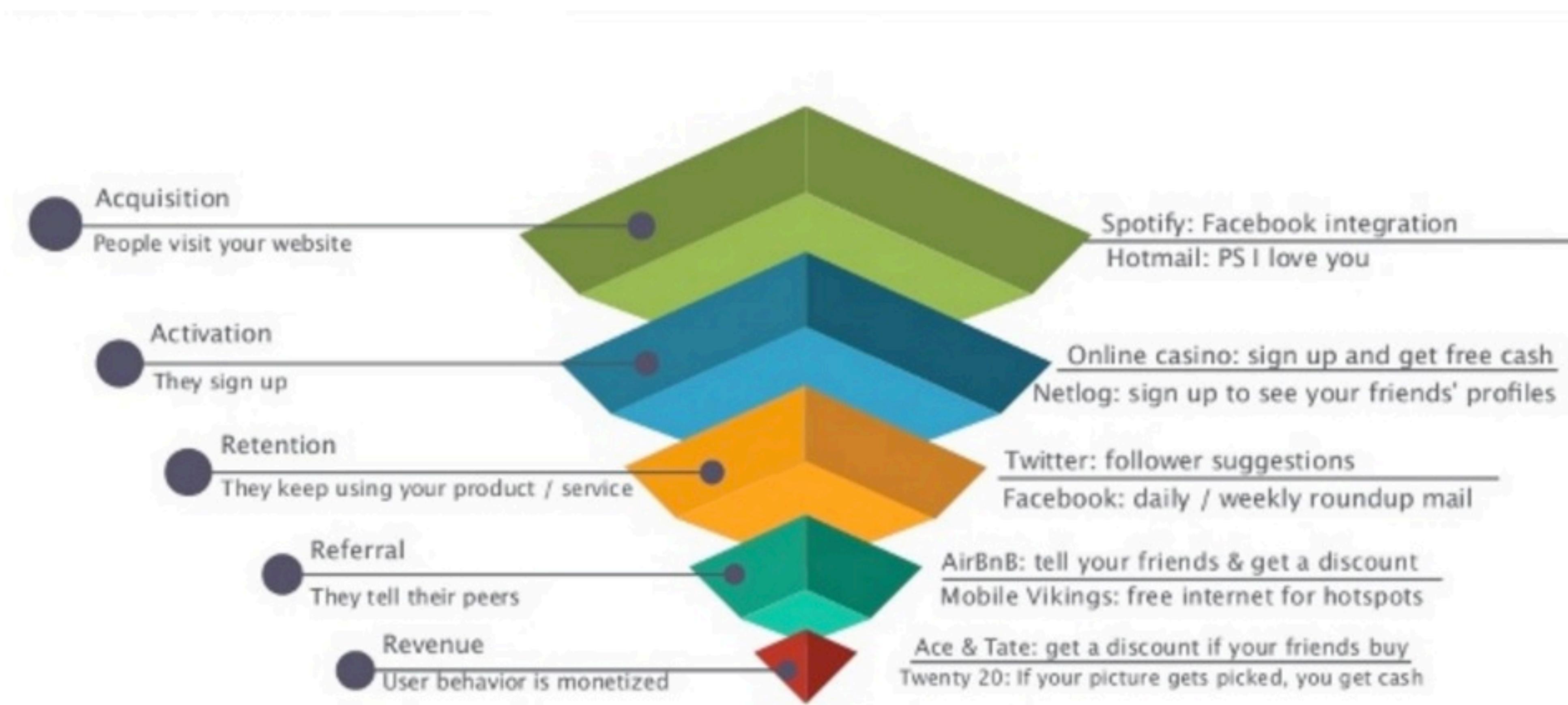
You Have Something



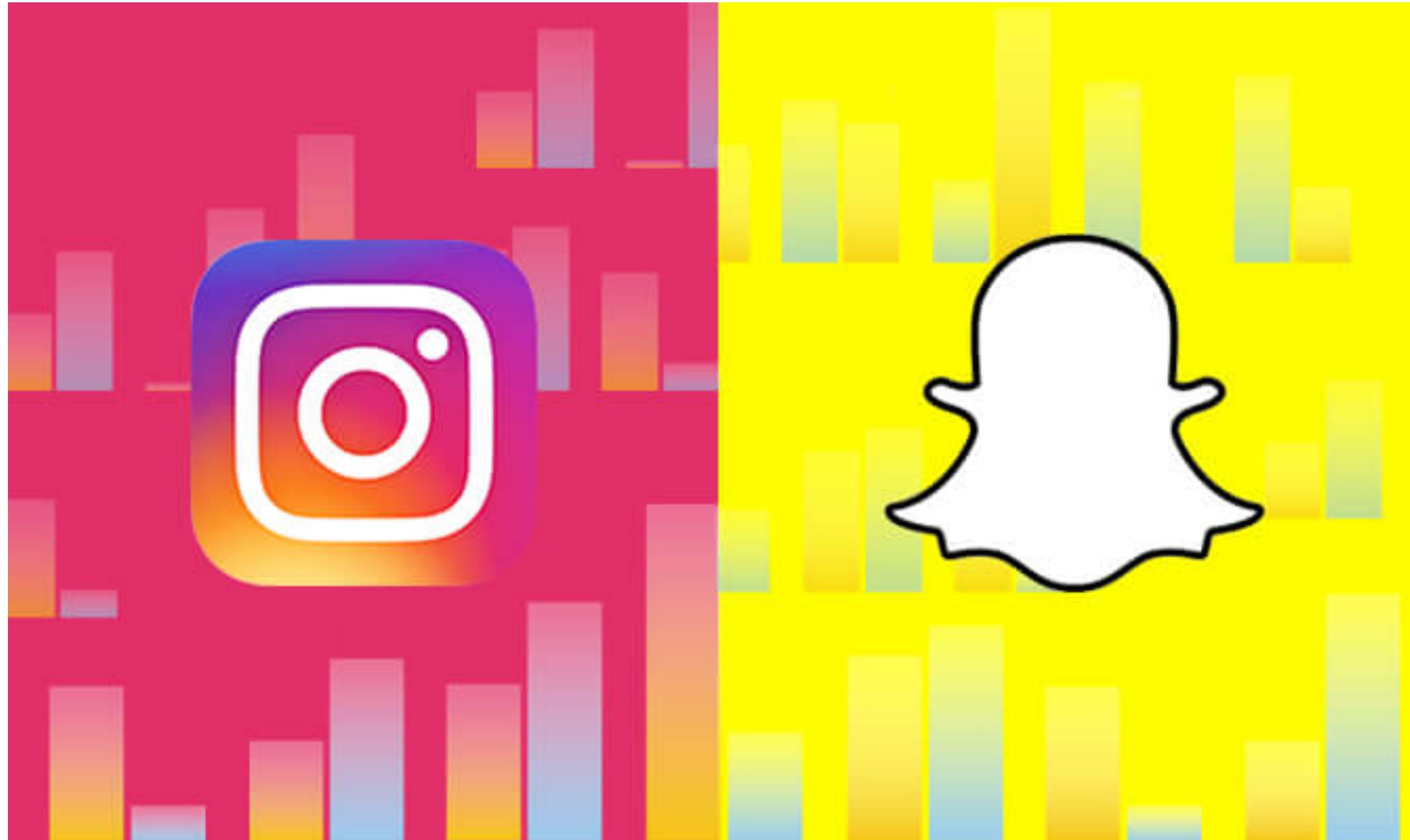
Sell It To Someone For More Than You
Paid For



MODERN BUSINESS



ANALYSIS + PRESENTATION

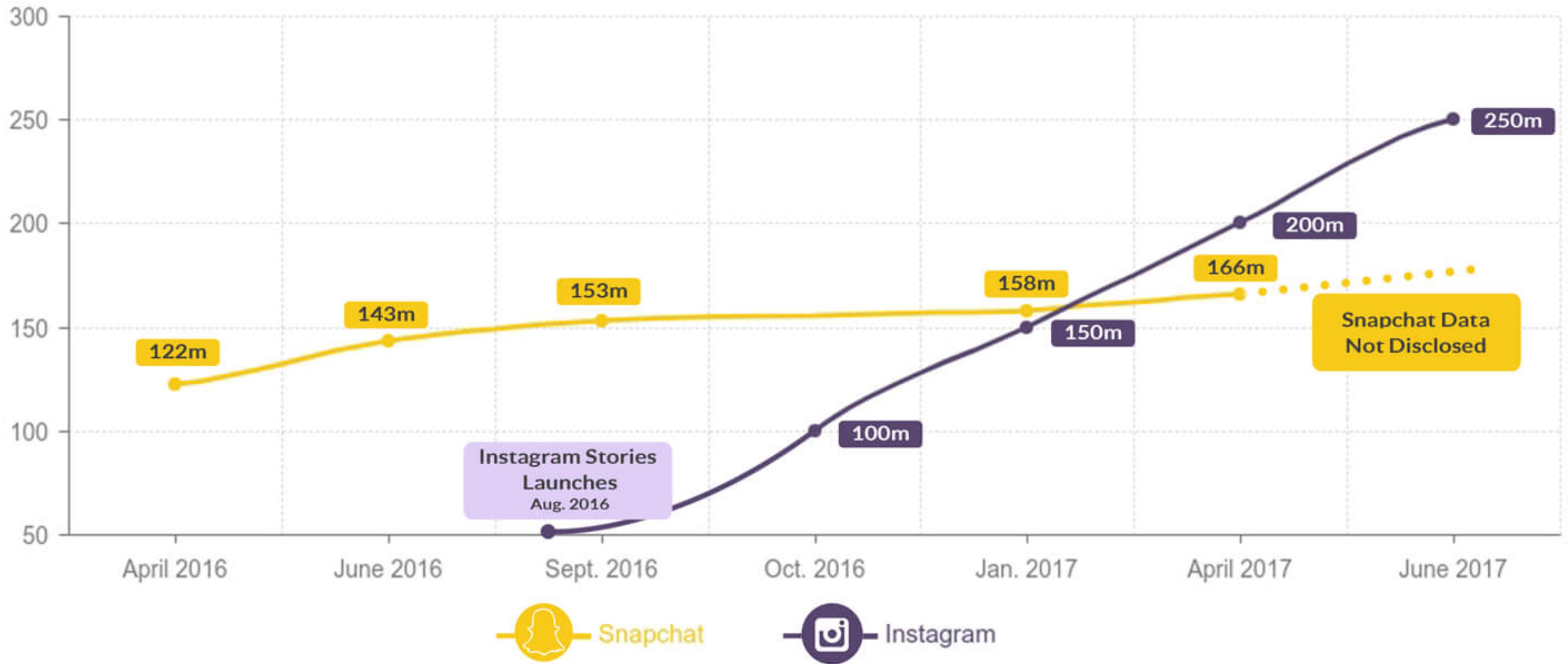




Facebook Offers to Buy
Snapchat for \$3bn (2013)

Snapchat Vs. Instagram Stories

Daily Active Users (millions)



Why Did Facebook Decide Not to Buy Snap?

You + FTW Foundation

How Much Data is Out There?

What Can We Do With Data & AI?

Why Does Diversity Matter?

How Do You Defend Against Your Own Logic and Biases?

What Kind of Data Can You Get From A Modern Business?

HOMEWORK

Saturday, March 23, 2019

Pansit palabok sa bilao large 850,medium 650 ,small 450..all pasta same price.. 12:48 PM

ano yunga mga pasta nyo 12:48 PM ✓

Spaghetti ,carbonara,pansit canton pansit bihon.. 12:49 PM

ok 12:49 PM ✓

Also pansit mixed (canton and bihon) 12:50 PM

ok 12:52 PM ✓

what's your best seller? 12:53 PM ✓

For BBQ chicken quarter 70/50/ depend on sizes.. 12:53 PM

Best seller pasta palabok ,pansit canton,spaghetti.. 12:54 PM

Pork BBQ 15/stick 12:54 PM

Other food :pork humba,chicken adobo,bicol express,pork binagoongan,pork sunigang ,bulalo,chicken curry.. 12:59 PM

how much for those? 12:59 PM ✓

which is 60? 1:00 PM ✓

it should be priced per item so easier for people to make a decision about what they should order 1:00 PM ✓

60 pesos.. 1:00 PM

40 the rest except bulalo 60 1:02 PM

ok po 1:04 PM ✓

what are your barbecue sticks? 1:05 PM ✓

Pork BBQ, chicken adidas that is chicken feet..isaw ,pork skin,pork intestines 1:07 PM

Pork liver and chicken liver. 1:08 PM

all 15? 1:08 PM ✓

sorry, what's the name of your canteen again? 1:08 PM ✓

and do you have an address? 1:08 PM ✓

Its pipolz canteen at front of gate 3 plaza, taguig city.. 1:09 PM

Chicken feet and intestine are only 10pesos per stick. 1:11 PM

ok 1:12 PM ✓

Sir padeliver k b lechon bukas?meron din kami for 1pax lechon with rice and veggies for 150 only.. 4:52 PM

May delivery ako bukas ng 11am s Bgc.. 4:53 PM

may crispy Pata ba kayo 4:56 PM ✓

Yes po.. 4:56 PM

Magkano yun 4:57 PM ✓

Regular size LNG available ko bukas Sir..450 po..libre ko n kayo rice and veggies.. 4:59 PM

ha baka malaki yan 4:59 PM ✓

sige lechon na lang po 4:59 PM ✓

OK..yung with rice b and veggies Sir?or by kilo? 5:00 PM

Magkano yung by kilo? 5:07 PM ✓