The AI condition

Ellen Broad | Better Worlds | September

Ali Rahimi - NIPS 2017 Test-of-Time Award presentation

"Machine learning has become

alchemy”

Yann LeCun

December 6 at 8:57am ·

My take on Ali Rahimi's "Test of Time" award talk at NIPS.

Ali gave an entertaining and well-delivered talk. But I fundamentally disagree with the message.
The main message was, in essence, that the current practice in machine learning is akin to "alchemy" (his word).
It's insulting, yes. But never mind that: It's wrong!

OUR CLASSIFIERS

High IQ

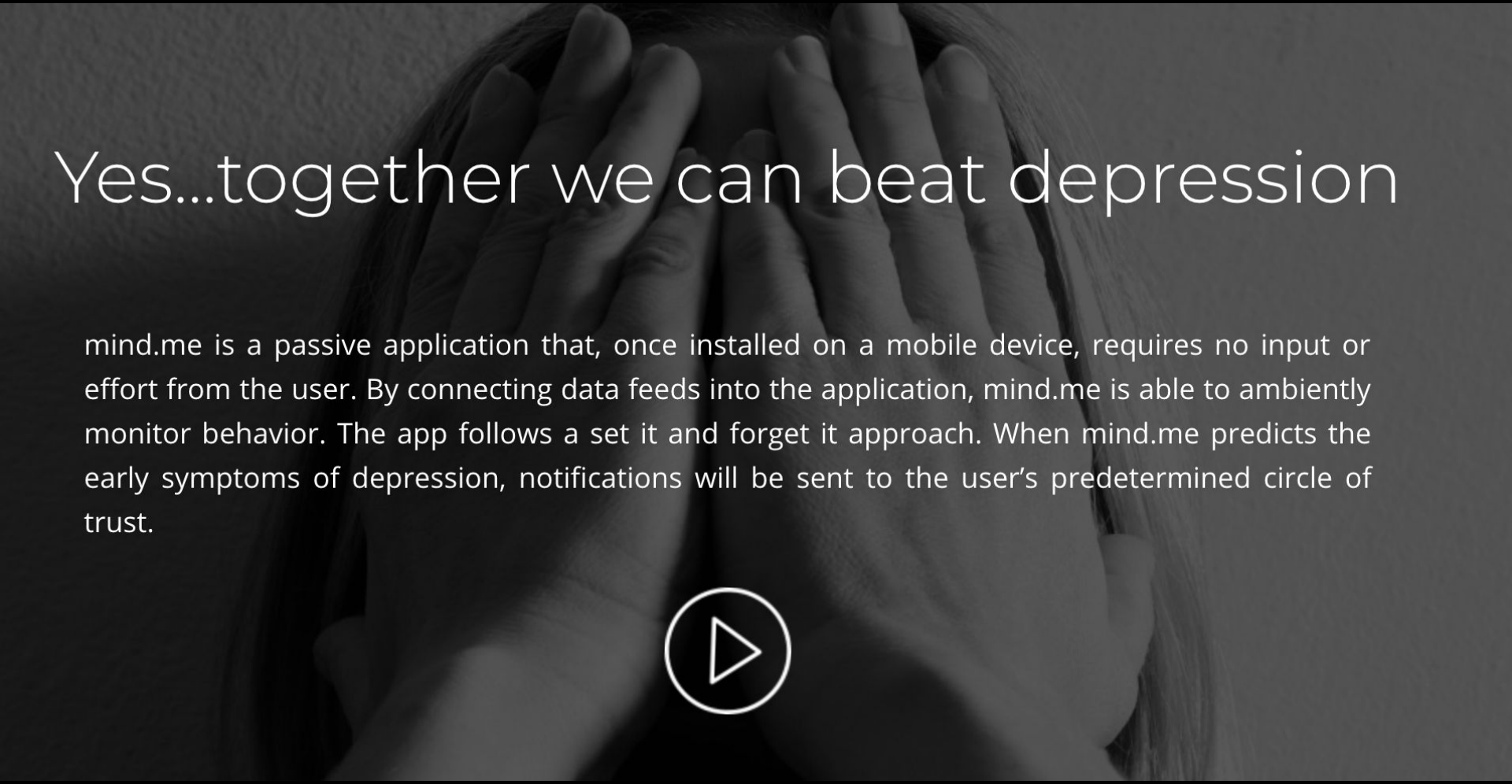
Academic Researcher

Professional Poker Player

Terrorist

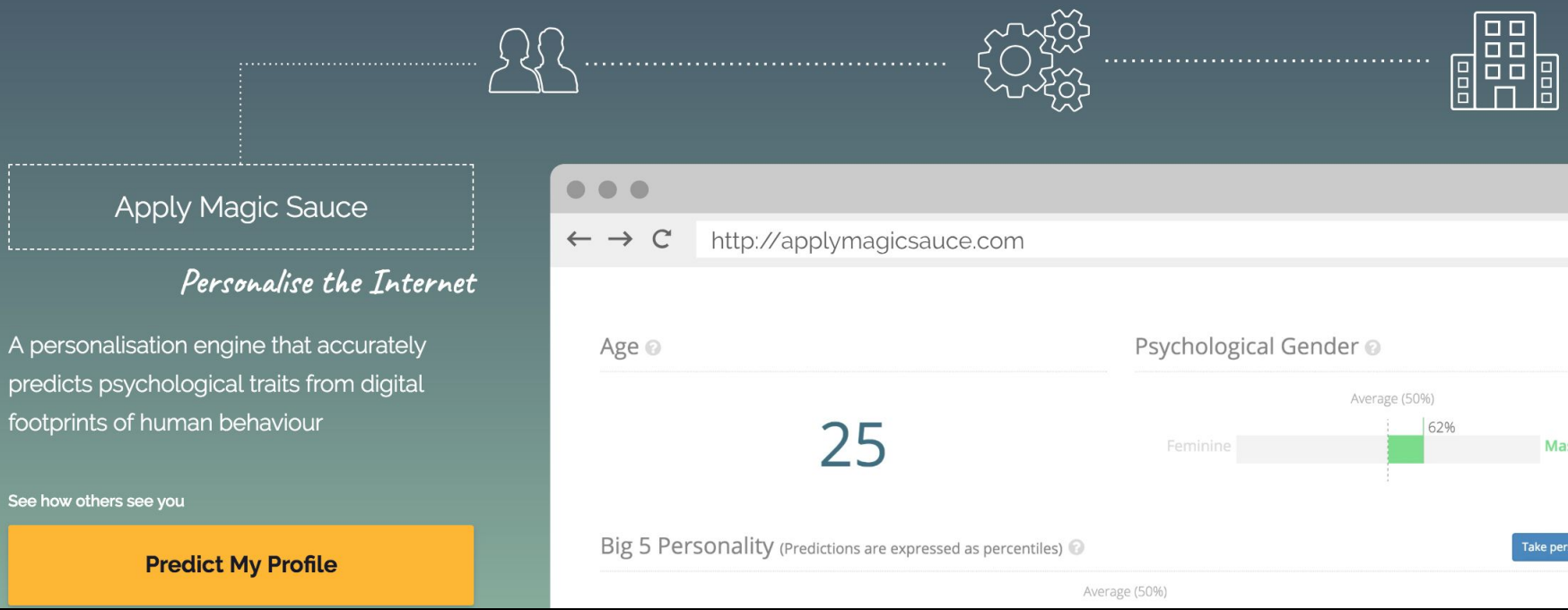
Utilizing advanced machine learning techniques we developed and continue to evolve an array of classifiers. These classifiers represent a certain persona, with a unique personality type, a collection of personality traits or behaviors. Our algorithms can score an individual according to their fit to these classifiers.

Learn More>



Yes...together we can beat depression

mind.me is a passive application that, once installed on a mobile device, requires no input or effort from the user. By connecting data feeds into the application, mind.me is able to ambiently monitor behavior. The app follows a set it and forget it approach. When mind.me predicts the early symptoms of depression, notifications will be sent to the user's predetermined circle of trust.


Apply Magic Sauce
Personalise the Internet
A personalisation engine that accurately predicts psychological traits from digital footprints of human behaviour
See how others see you
Predict My Profile
http://applymagicsauce.com
Age
25
Psychological Gender
Average (50%)
62%
Feminine
Masculine
Big 5 Personality (Predictions are expressed as percentiles)
Take personality test
Average (50%)

Has Cured More Women Than Any Other Medicine in the World.

Its annual sales are greater than those of any other medicine exclusively for women. It holds the record for the greatest number of actual cures of woman's ills. This fact is attested by hundreds of thousands of letters from grateful women which are on file in the Pinkham laboratory, and which are constantly being published. Merit alone can produce such results. Good advertising serves to call attention for a time, but merit alone can stand the test of time.

The ablest specialists now agree that Lydia E. Pinkham's Vegetable Compound is the most universally successful remedy for woman's ills known to medicine.

All sick women should note these facts, and placing all possible prejudices aside, should realize the truthfulness of these statements, and that a cure for their troubles actually exists.

Wise is the woman who has faith in Lydia E. Pinkham's Vegetable Compound, for health and happiness is sure to follow its use.

YOU CAN GET HELPFUL ADVICE FREE.—If there is anything about your illness you do not understand, Mrs. Pinkham, at Lynn, Mass., will be glad to receive a letter from you telling her all the details. She will send you promptly a reply which may save you years of suffering and pain. She has helped thousands of women. For all this she will not charge you a cent; besides, she will keep your letter strictly confidential. Write her to-day.

WARNER'S SAFE KIDNEY & LIVER CURE

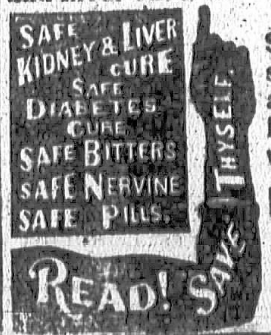
(Formerly Dr. Craig's Kidney Cure.)

A vegetable preparation and the **only sure remedy** in the world for **Bright's Disease, Diabetes, and ALL Kidney, Liver, and Urinary Diseases.**

☞ Testimonials of the highest order in proof of these statements.

☞ For the cure of **Diabetes**, call for **Warner's Safe Diabetes Cure.**

☞ For the cure of **Bright's** and the other diseases, call for **Warner's Safe Kidney and Liver Cure.**



☞ **WARNER'S Safe Remedies are sold by Druggists and Dealers in Medicine everywhere.**

H. H. Warner & Co.
Proprietors.
ROCHESTER, N. Y.

☞ **Send for Pamphlet and Testimonials.**

a settlement.
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r Free Vote On
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M.P.s will have a free hand
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adopt a general county rate
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ncreased by 9d.

Doctors and Nurses recommend
'California Syrup of Figs'

They know it to be a perfectly safe and natural fruit laxative. It ensures gentle but thorough action and the kiddies love its delicious flavour.

When your child gets cross and peevish, has a coated tongue and a headache, all that is needed to restore health and happiness is 'California Syrup of Figs,' Nature's own laxative.

The wise mother follows the advice of doctors and nurses and gives a dose of 'California Syrup of Figs' brand laxative each week. 1/5 and 2/10 (Including Purchase Tax) everywhere. Be sure to emphasize 'CALIFORNIA.'

COLLIER'S EXPOSÉ
OF THE
PATENT MEDICINE FRAUD

DEATH'S LABORATORY
June 24

CRIMINAL ALLIANCE OF THE NEWSPAPERS WITH FRAUD AND POISON
July 8th

THE GREAT AMERICAN FRAUD
October 7th

PERUNA AND THE "BRACERS"
October 28th

CONSPIRACY AGAINST THE FREEDOM OF THE PRESS
November 4th

LIQUOZONE
November 18th

THE SUBTLE POISONS
December 2d

Other Articles to be Announced Later

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Samuel Hopkins Adams

AI is made by humans

as developers, engineers, product owners, designers, data scientists

We make choices

“...to be a proper professional you need to think about the context and motivation and justifications of what you're doing...

You see I could probably write a very good program for choosing people to be killed for some reason, selecting people from a population by a particular criterion. But you might argue that a true professional would say, 'I don't think I should be writing programs about this at all.'

The point is that there is an interaction between the context and the programming task itself.”

Karen Spärck Jones FBA (1935-2007)

Volkswagen Engineer Gets Prison in Diesel Cheating Case

James Liang, a Volkswagen engineer, is the first employee sent to prison in the scandal that has tainted the company's reputation and cost it billions in fines and settlements with consumers.

We weigh tradeoffs

Facial Recognition Is Accurate, if You're a White Guy

By Steve Lohr

Feb. 9, 2018

Facial recognition technology is improving by leaps and bounds. Some commercial software can now tell the gender of a person in a photograph.

When the person in the photo is a white man, the software is right 99 percent of the time.

But the darker the skin, the more errors arise — up to nearly 35 percent for images of darker skinned women, according to a new study that breaks fresh ground by measuring how the technology works on people of different races and gender.

These disparate results, calculated by Joy Buolamwini, a researcher at the M.I.T. Media Lab, show how some of the biases in the real world can seep into artificial intelligence, the computer systems that inform facial recognition.

We navigate ethics

‘The Business of War’: Google Employees Protest Work for the Pentagon

Thousands of Google employees have signed a letter to Sundar Pichai, the company’s chief executive, protesting Google’s role in a program that could be used to improve drone strike targeting.

Michael Short/Bloomberg

Three provocations

1. A failure to communicate
2. Optimism without accountability
3. Downplaying of “soft” in software engineering

Please don't learn to code | TechCrunch
https://techcrunch.com/2016/05/10/please-dont-learn-to-code/
May 11, 2016 - There's an idea that's been gaining ground in the tech community lately: **Everyone should learn to code**. But here's the problem with that idea: ...

10 Life-Changing Reasons You Should Learn to Code - Skillcrush
https://skillcrush.com/2015/01/28/laurence-bradford-10-reasons/
May 8, 2018 - **Learning to code** gave her the life and career she never dreamed of. ... **Everyone** has different reasons for wanting to **learn** how to build ...

Should Everybody Learn to Code? | February 2014 | Communications ...
https://cacm.acm.org/magazines/2014/2/...should-everybody-learn-to-code/fulltext
by E Shein - Cited by 36 - Related articles
To gauge the ability of professional graphic designers to do basic programming, Brian Dorn, then a graduate student at the Georgia Institute of Technology ...

Should We Really Try to Teach Everyone to Code? | WIRED
https://www.wired.com/insights/2015/.../should-we-really-try-to-teach-everyone-to-co...
It's hard to read a blog or news site these days without stumbling across an article about why **everyone should learn to code**. It's a rallying cry that's given rise to ...

Should everybody learn to code? - ResearchGate
https://www.researchgate.net/publication/262326020_Should_everybody_learn_to_code
Future work could investigate why such misconceptions form about programming in the first place. Perhaps with all of the recent excitement around ...

rule enforced by Phil, who's not an engineer. Nobody's sure what Phil does, but it's definitely full of synergy and has to do with upper management, whom none of the engineers want to deal with so they just let Phil do what he wants. Sara, meanwhile, has found several hemorrhaging-edge paving techniques, and worked them all into the bridge design, so you'll have to build around each one as the bridge progresses, since each one means different underlying support and safety concerns. Tom and Harry have been working together for years, but have an ongoing feud over whether to use metric or imperial measurements, and it's become a case of "whoever got to that part of the design first." This has been such a headache for the people actually screwing things together, they've given up and just forced, hammered, or welded their way through the day with whatever parts were handy. Also, the bridge was designed as a suspension bridge, but nobody actually knew how to build a suspension bridge, so they got halfway through it and then just added extra support columns to keep the thing standing, but they left the suspension cables because they're still sort of holding up parts of the bridge. Nobody knows which parts, but everybody's pretty sure they're important parts. After the introductions are made, you are invited to come up with some new ideas, but you don't have any because you're a propulsion engineer and don't know anything about bridges.

Would you drive across this bridge? No. If it somehow got built, everybody involved would be executed. Yet some version of this dynamic wrote every single program you have ever used, banking software, websites, and a ubiquitously used program that was supposed to protect information on the internet but didn't.

Programming Sucks, by Peter Welch
https://www.stilldrinking.org/programming-sucks

Failing to communicate creates failures to comprehend

EMPOWER
COLLABORATE
"It always seems impossible until it's done"
"Failure is the opportunity to begin again more intelligently"
VISION
"Focus on the user and all else will fo
"Innovation Occurs at the Crossroad of disciplin
"The true sign of intelligence is not knowledge but imagination"
Albert Einstein

TO HELP YOU THINK
CREATE AND COLLABORATE
WHETHER YOU ARE WORKING
ON YOUR OWN OR WORKING TEAM
WE HAVE SPACES FOR YOU
QUIET SPACES FOR YOU TO CONCENTRATE
OPEN SPACES FOR YOU TO COLLABORATE
FLEXIBLE OFFICE SPACES
FOR YOU TO EXPAND YOUR TEAM — AND
CREATIVE MEETING SPACES
FOR WHEN YOU NEED TO MAKE — BIG —
DECISIONS OR JUST SIMPLY WANT TO
BOUNCE IDEAS AROUND
— WALLS —
WHATEVER YOUR NEEDS
ARE — SPACES HAS A-
PLACE FOR YOU AND — NOT — JUST YOU —
WE TAKE CARE OF A —
TALENTED AND FORWARD
THINKING COMMUNITY
WITH HIGH ENERGY AND — AN —
APPETITE — FOR —
— SUCCESS —
THANKS TO TECHNOLOGY
ECONOMY IS ONE THAT IS DRIVEN — BY
THE EMPOWERD INDIVIDUAL
III
SPACES TAKES THIS IN-
CONSIDERATION AS WE
FACILITATE THE MOST
PRODUCTIVE WORKING
ENVIRONMENT FOR OUR
COMMUNITY AND CREATING — AN —
· INSPIRING PROFESSIONAL
— ENVIRONMENT WHERE · WE ·
SEE TO ALL OF THE —
BACKGROUND — LOGISTICS AND SERVICES —
SO OUR MEMBERS CAN
FOCUS ON DRIVING —
THEIR — BUSINESS
— FORWARD —
AND — WATCH
YOUR WORLD
· ACCELERATE ·
SPACES
— THINGS —
AT SPACES YOU MEET
PEOPLE WHO BELIEVE
IN TA AREERS IN TO
THE HANDS ·
THR R CONTENT
AND YOU WILL
IN THE BUZZ OF THE
S WAY OF LIFE
H OUR COMMUNITY
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AS —
YOU-WANT-TO — BE-
OUR DIVERSE COMMUNITY
OF INNOVATORS CREATES
A VIBRANT AND INFECTIOUS
SPIRIT INSPIRING ALL
WHO PLUG IN · EVERY-
GOAL IS ACHIEVABLE ·
EVERY CRAZY — IDEA —
— IS CONCEIVABLE —
AT SPACES OUR GOAL IS
TO FACILITATE YOUR ·
SUCCESS BY PROVIDING
HIGH QUALITY BUSINESS
SERVICES AND GREAT COFFEE AND FOOD
OUR SPACES ARE FILLED
WITH FORWARD THINKERS · INNOVATORS
AND GAME CHANGERS WHO ARE
CONFIDENT THAT THEY
WILL ACHIEVE THEIR ·
— GOALS —

“Our identities have no bodies, so, unlike you, we cannot obtain order by physical coercion. We believe that from ethics, enlightened self-interest, and the commonweal, our governance will emerge. Our identities may be distributed across many of your jurisdictions. The only law that all our constituent cultures would generally recognize is the Golden Rule.”

John Perry Barlow, A Declaration of the Independence of Cyberspace

“Recasting all complex social situations either as **neatly defined problems with definite, computable solutions or as transparent and self-evident processes that can be easily optimized—if only the right algorithms are in place!**—this quest is likely to have unexpected consequences that could eventually cause more damage than the problems they seek to address.” Evgeny Morozov

We are optimists with power, but without accountability

April Wensel
@aprilwensel

Follow

"Just don't tell anyone; it will hurt my tech cred." —a tech manager after I praised her EQ.

> **Compassionate Coding** @compassioncode
> You can either have technical skills or interpersonal skills, but not both.
>
> ❌ FALSE...

8:37 PM - 16 Oct 2017

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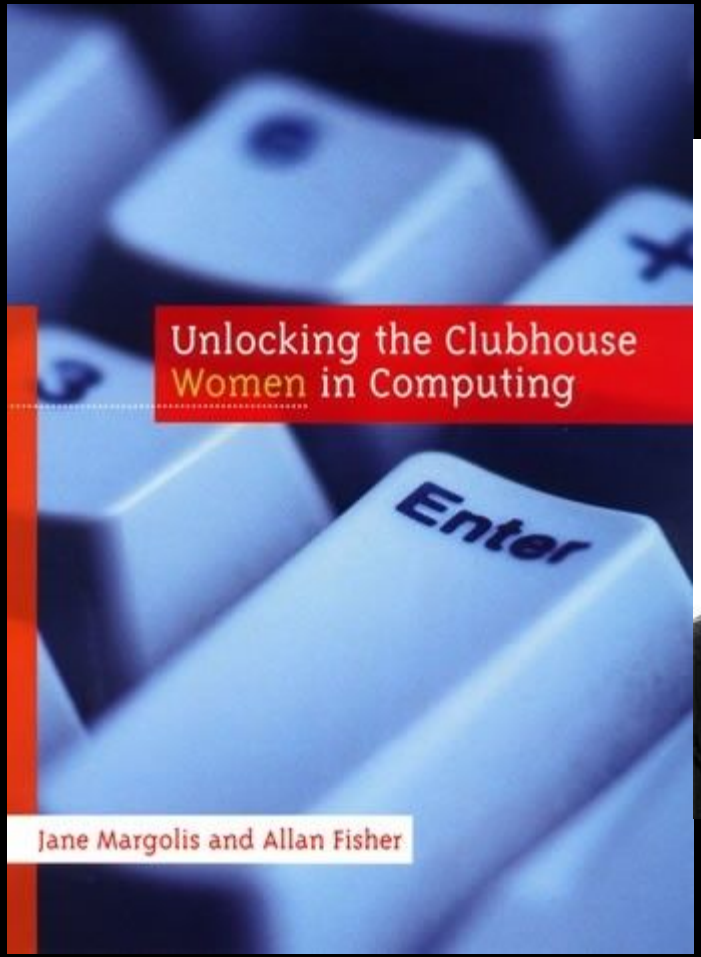
Unlocking the Clubhouse
Women in Computing
Enter
Jane Margolis and Allan Fisher

Last time I gave a talk like this...

consider context

make best practice expected practice

be open

seek out

disagreement

cultivate

uncertainty

“What we absolutely should not be doing is teaching data scientists ethics”

“It is imperative in science to doubt; it is absolutely necessary, for progress in science, to have uncertainty as a fundamental part of your inner nature. To make progress in understanding, we must remain modest and allow that we do not know. Nothing is certain or proved beyond all doubt. You investigate for curiosity, because it is *unknown*, not because you know the answer. And as you develop more information in the sciences, it is not that you are finding out the truth, but that you are finding out that this or that is more or less likely.”

Richard Feynman, The Pleasure of Finding Things Out

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FIRST FLOOR
Restaurant

Coca-Cola
HERSHEY'S
Reese's
brilliant.hyundai.
ADD FAVORITE ICONS
McDonald's
Restaurant

thank you

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