

TECH BYTES

Artificial Intelligence

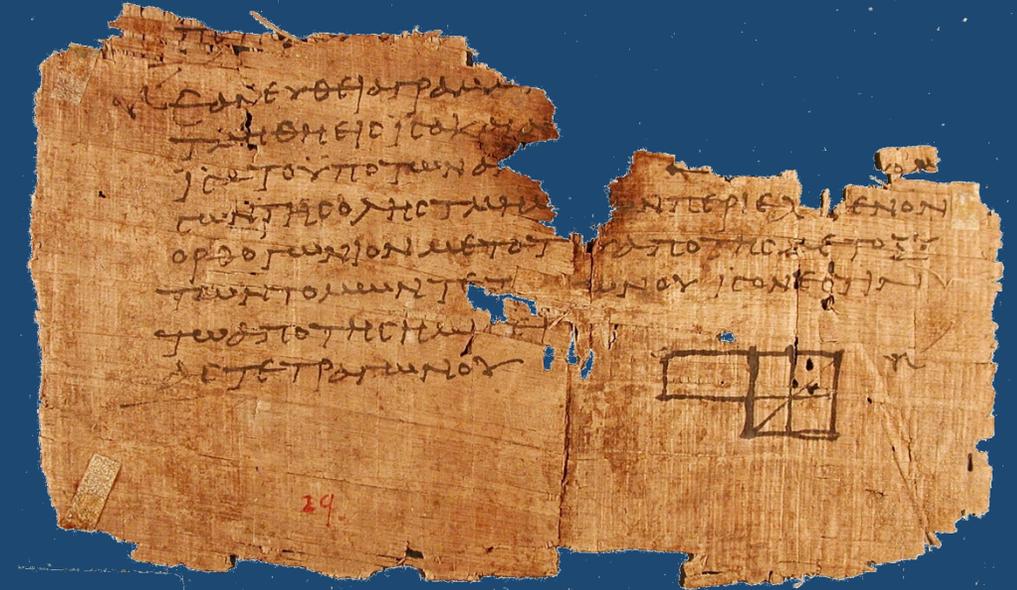
What it is: What it isn't

John Browning, Ron Chichester, Jason Smith, Mark Unger

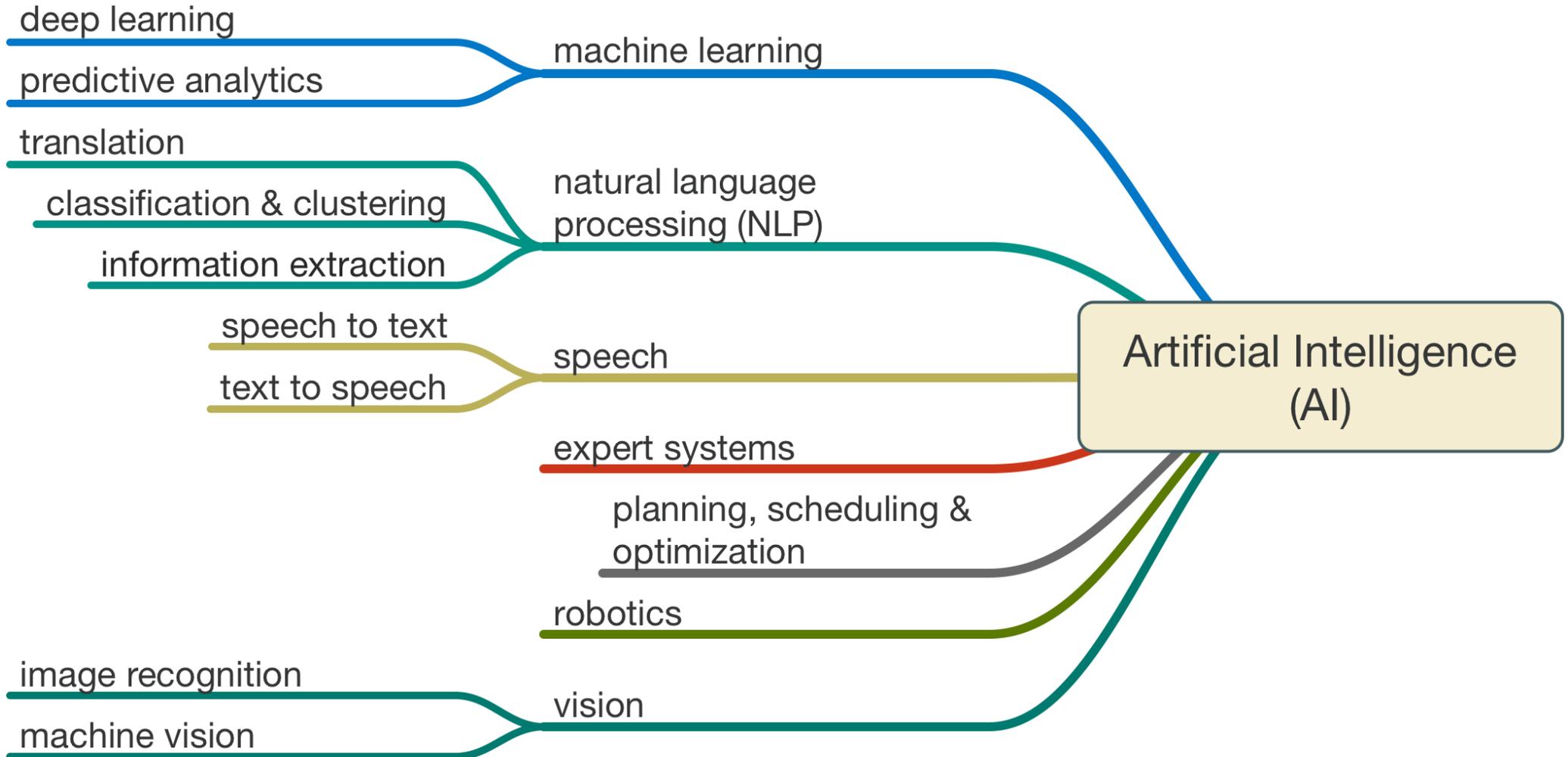


What is AI?

- It is *not* new...
- Rooted in math...
- Seems mysterious... until you understand it.



What is AI?



What is AI?

Software Applications that can...

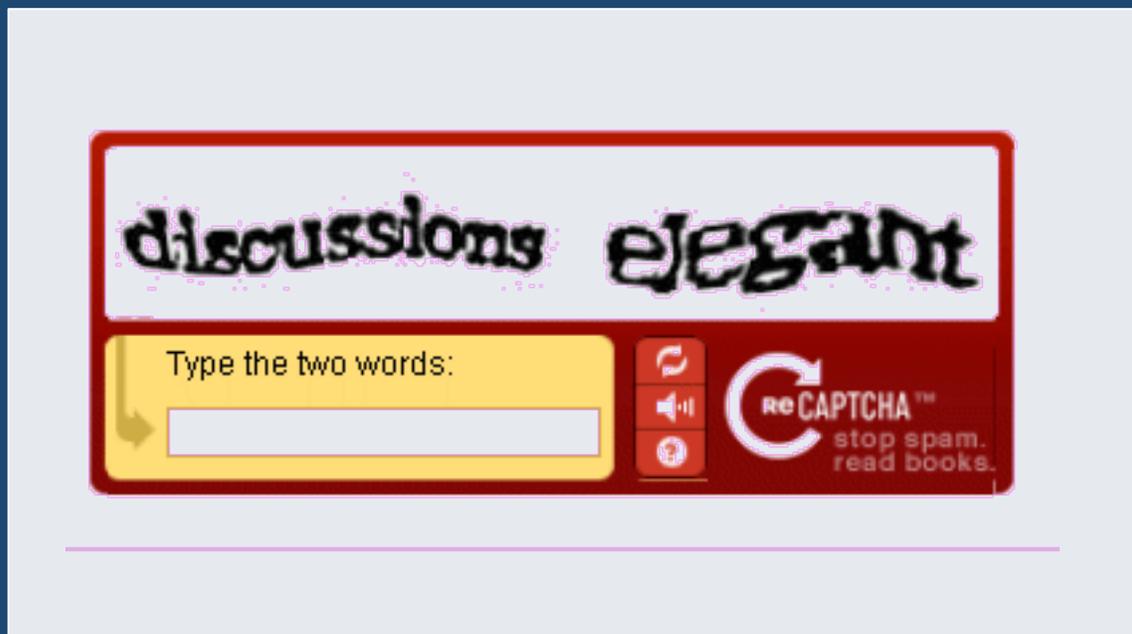
- Process and “understand” language
- Support natural interactions (with humans & AI)
- Learn from such interactions
- Reason about knowledge and data
- Approximate rule-based and creative thought

What is AI?

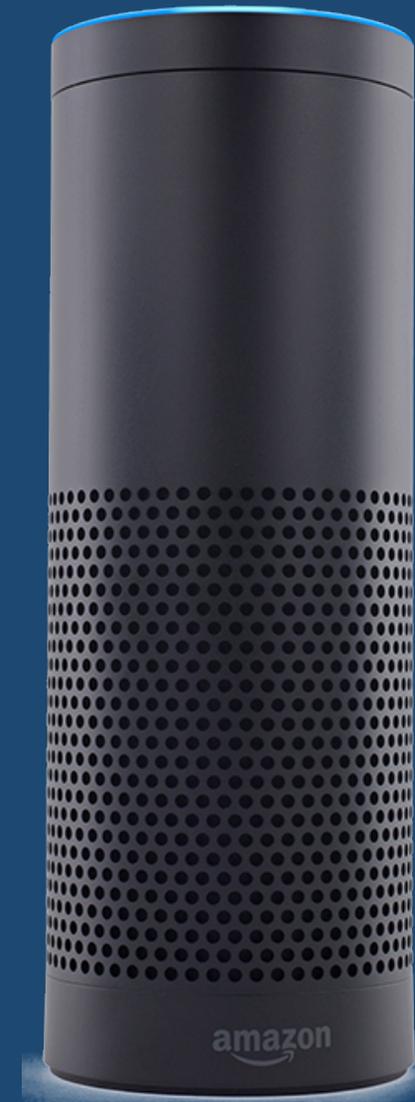
- Weak AI
 - Computer programs that mimic thinking and reasoning *without* actually having that ability
 -
 - Example: Chess



AI is Learning



AI is Speech



AI is Vision

Describes without errors



A person riding a motorcycle on a dirt road.

Describes with minor errors



Two dogs play in the grass.

Somewhat related to the image



A skateboarder does a trick on a ramp.

Unrelated to the image



A dog is jumping to catch a frisbee.



A group of young people playing a game of frisbee.



Two hockey players are fighting over the puck.



A little girl in a pink hat is blowing bubbles.



A refrigerator filled with lots of food and drinks.

AI is Vision (Getting Better)



In 2012
Correct – 72%

Since 2012
Correct – 93%

Dog or Fried Chicken?

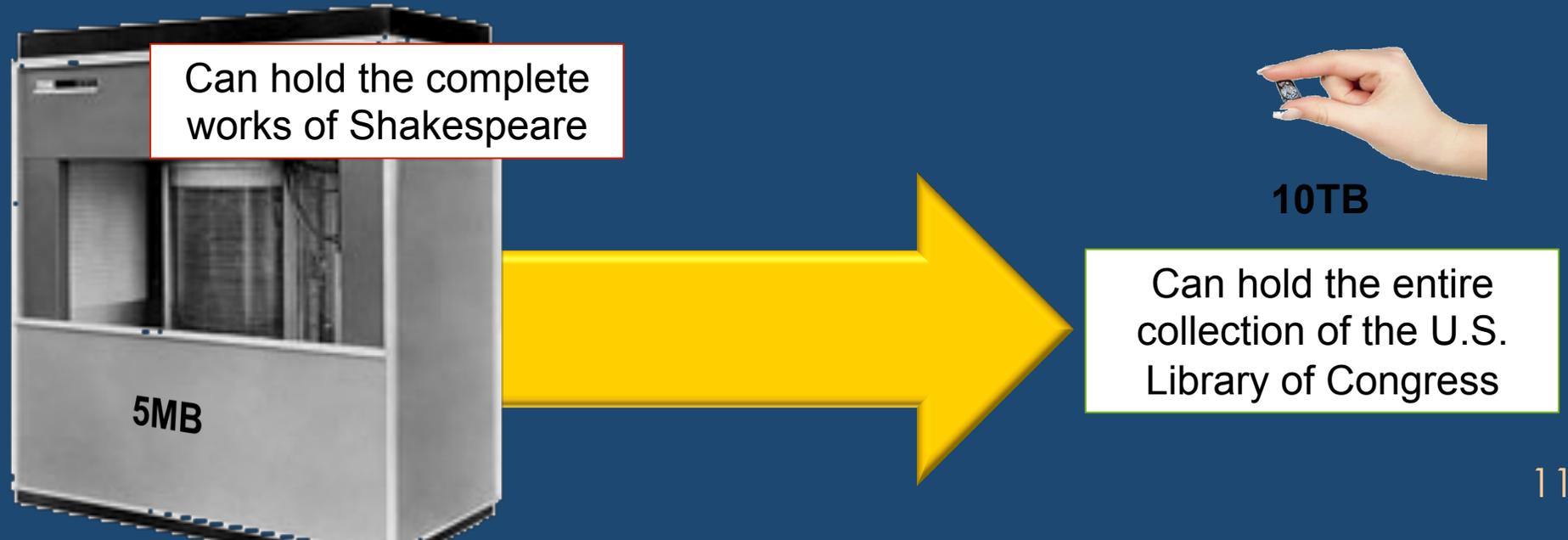
Dog or Blueberry Muffin?

AI is Language



Why Now?

- Data explosion
- More Computing Power
- Speed of Improvement Increasing



Why Now?

- A.I. is expected to be the main driver of productivity and economic growth for at least the next 20 years.
- By 2035, potential to increase productivity by 40% or more.

AI can make more AI



Why Should You Care?

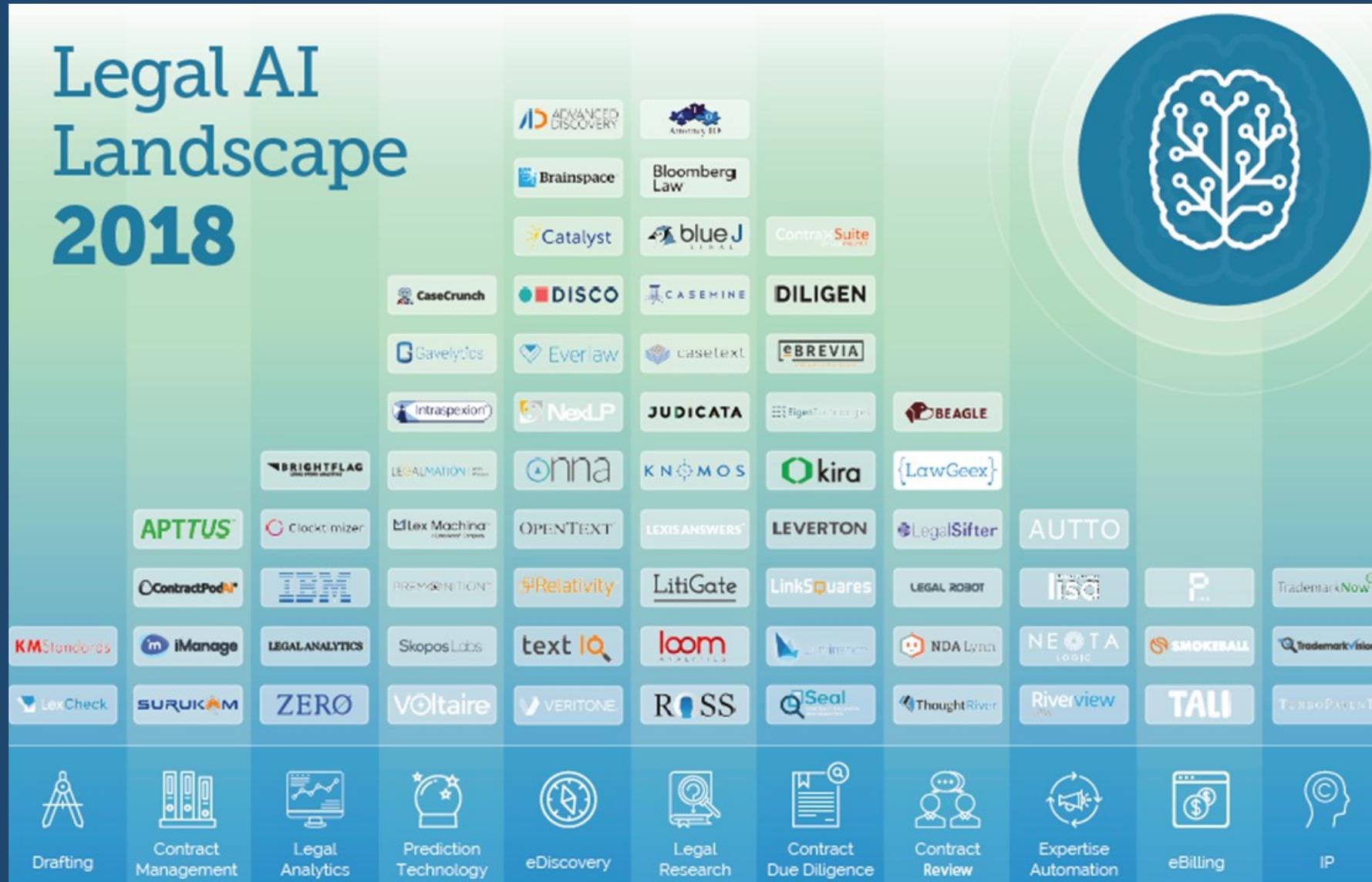
AI is already having an effect on
your clients!

AI in Society Today

- Fraud Detection
- Purchase Prediction
- Virtual Personal Assistants
- Self-driving Cars
- Surveillance
- Appliances



AI in Law Today

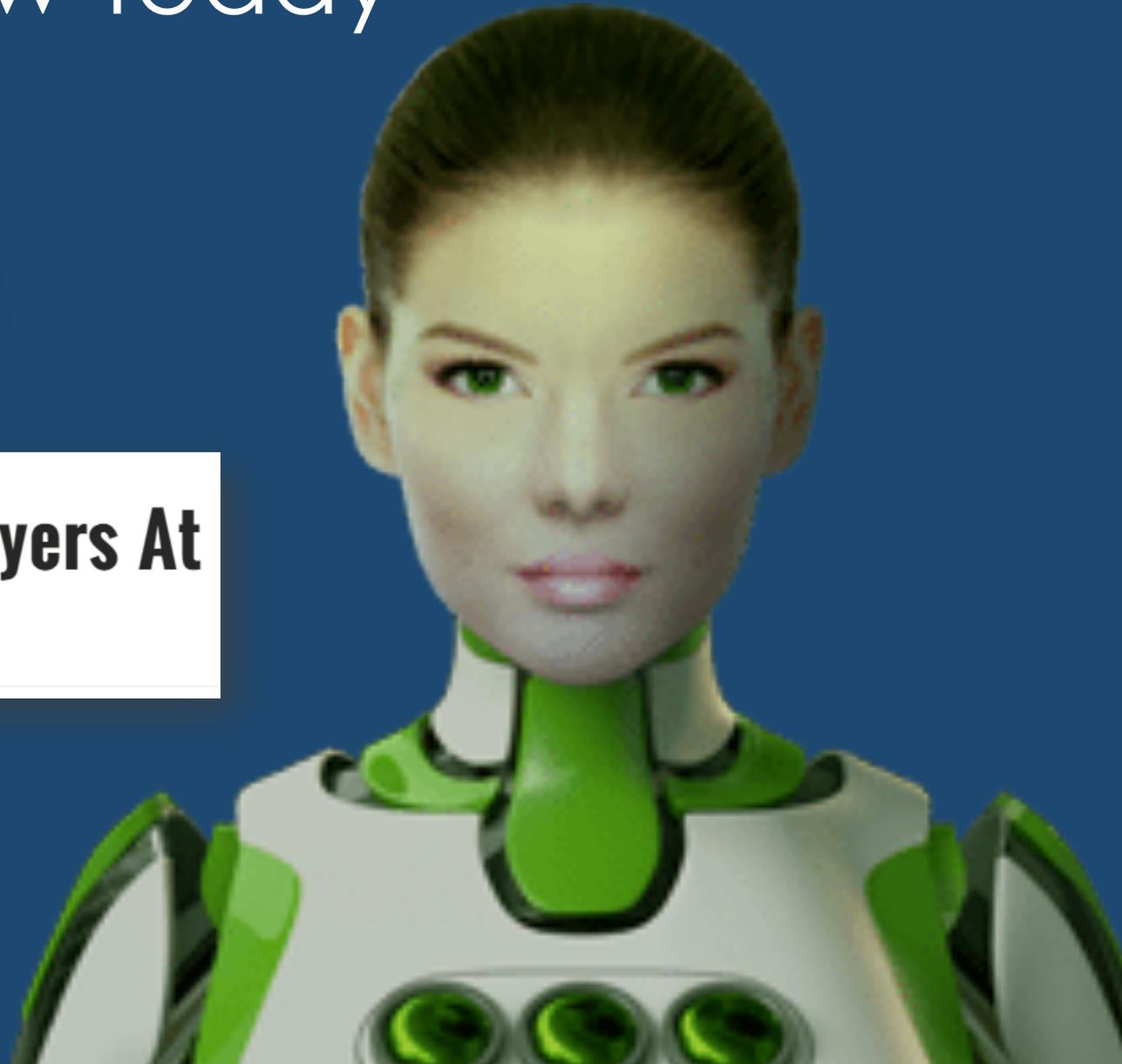


AI in Law Today

**JPMorgan Software Does in Seconds
What Took Lawyers 360,000 Hours**

By [Hugh Son](#)
February 27, 2017, 6:31 PM CST Updated on February 28, 2017, 6:24 AM CST

TECH
**AI Beats Human Lawyers At
Their Own Game**
BY [STEPHANIE MLOT](#) 02.26.2018 :: 1:30PM EDT



Everything is Obvious

UCLA Law Review, Forthcoming

44 Pages • Posted: 23 Oct 2017 • Last revised: 28 Feb 2018

[Ryan Abbott](#)

University of Surrey School of Law; University of California, Los Angeles - David Geffen School of Medicine

Date Written: October 22, 2017

Abstract

For more than 60 years, “obviousness” has set the bar for patentability. Under this standard, if a hypothetical person skilled in the art would find an invention obvious in light of existing relevant information, then the invention cannot be patented. The skilled person is defined as a non-innovative worker with a limited knowledge-base. The more creative and informed the skilled person, the more likely an invention will be considered obvious. The standard has evolved since its introduction, and it is now on the verge of an evolutionary leap. Inventive machines are increasingly being used in research, and once the use of such machines becomes standard, the person skilled in the art should be a person using an inventive machine, or just an inventive machine. Unlike the skilled person, the inventive machine is capable of innovation and considering the entire universe of prior art. As inventive machines continue to improve, this will increasingly raise the bar to patentability, eventually rendering innovative activities obvious. The end of obviousness means the end of patents, at least as they are now.

Keywords: Patents, Intellectual Property, Robot, Artificial Intelligence, Machine Learning, Nonobviousness, Autonomous, Law and Technology

Suggested Citation:

Abbott, Ryan, Everything is Obvious (October 22, 2017). UCLA Law Review, Forthcoming. Available at SSRN: <https://ssrn.com/abstract=3056915> or <http://dx.doi.org/10.2139/ssrn.3056915>

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Features



WYSIWYG

Compose your templates in [.docx](#) or [.pdf](#) files.
Synchronize files with your server using [Google Drive](#).



Signatures

Gather [touchscreen signatures](#) and embed them in documents.



Live chat

Assist users in real time with [live chat](#), [screen sharing](#), and [remote screen control](#).



AI

Use [machine learning](#) to process user input.



SMS

Communicate with end users through [text messaging](#) as an alternative to the web interface.



E-mail

[Send](#) and [receive](#) e-mails in your interviews. (You can [send faxes](#), too.)



OCR

Use [optical character recognition](#) to process images



Multilingual

Offer interviews in [multiple languages](#).



Multiuser

Develop applications that involve [more than one user](#),





LEGALESE

software is eating law

ABOUT US

TEAM

RESOURCES & COMMUNITY

BLOG

THESE ARE REALLY SMART PEOPLE, *said one lawyer who works with startups.*

They believe in
WORLD-DOMINATION
of the engineering class;

EVERYTHING
can be reduced to an
ALGORITHM

and LEGAL DOCUMENTS
are not going to be
SPARED.

TECHCRUNCH

Problem with Status Quo

Solution: Computational Legal

TL;DR

70 Years of R&D

LegalTech Map

KNOW ALL MEN BY THESE PRESENTS
that

WONG MENG WENG

*upenn.edu (SEAS '97), Harvard Berkman Klein ('16-'17), Stanford CodeX ('17-'18)
previously co-founder of pobox.com, karmasphere.com, hackerspace.sg, and jfdi.asia
and co-author of SPF (IETF RFC4408), a globally deployed opensource email standard*

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So, will AI replace lawyers?

A.I. will not replace lawyers...

But lawyers who leverage A.I.
will replace those who don't!

Questions?



TECH BYTES



COMPUTER AND
TECHNOLOGY

Ron Chichester, John Browning, Jason Smith, Mark Unger

The Section's mission is to education and involve the legal profession in and about the use and law of computer and information technology.

www.sbot.org

The State Bar of Texas Computer & Technology Section is a voluntary organization consisting of licensed attorneys throughout Texas who are involved with and interested in the use of computers and technology in the legal profession.

This presentation was delivered as part of the State Bar of Texas Computer & Technology Section's Education Initiative.