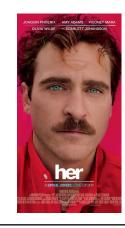


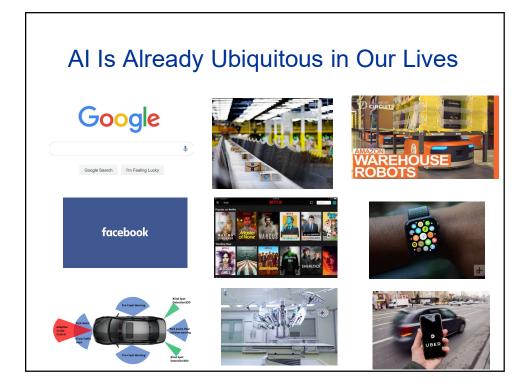


Online – AI as a software program



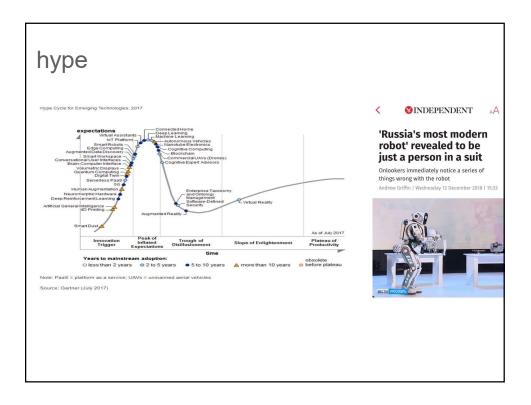
Robots – AI integrated into a physical "body"

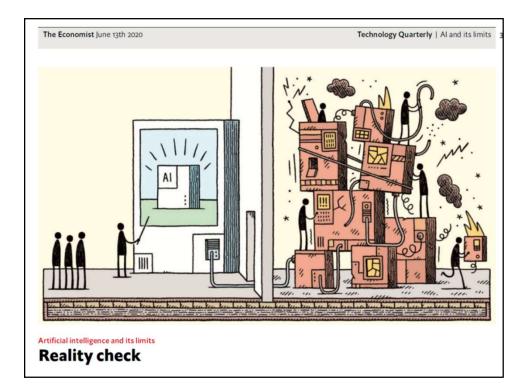




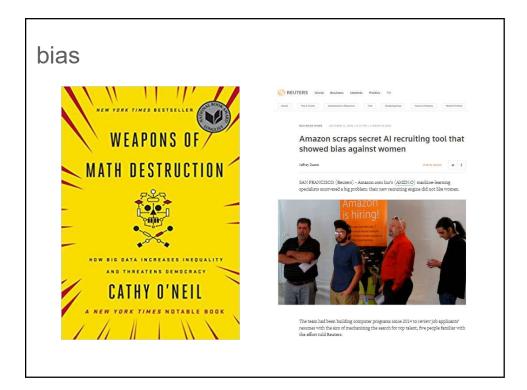


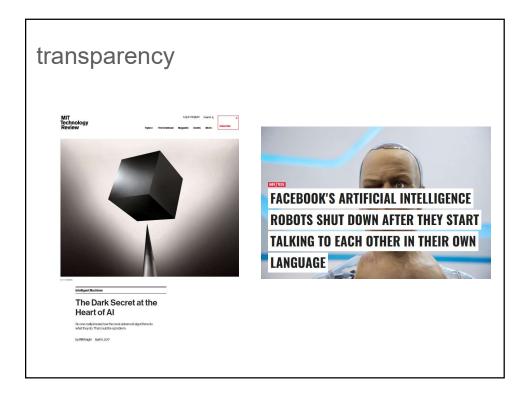


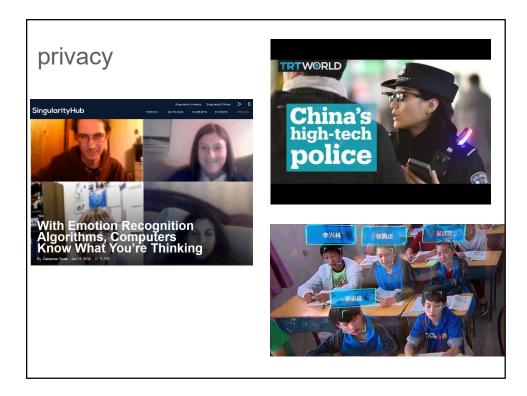


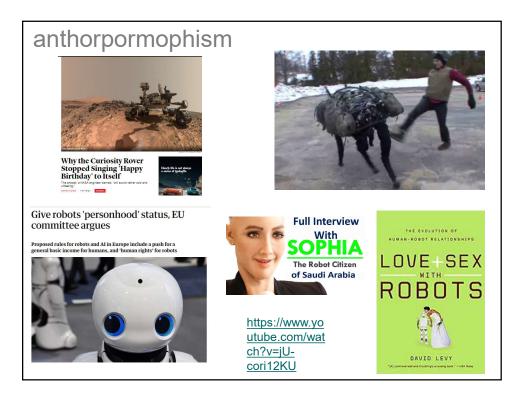


Beothurtreed Tuna Pie	How Artificial Intelligence Works
pastries, fruits, pork	and Why It's Making the World a Weirder Place
1 hard cooked apple mayonnaise	a wenuel rtace
1 onion	VALLOAK
3 tablespoon butter	YOU LOOK
5 cup lumps; thinly sliced	
1/2 cup chicken broth	LUZE A TUUNC
1 carrot, spinach (vanilla estach w/pecans)	LIKE A THING
1 freshly ground black pepper - optional	
Surround with 1 1/2 dozen heavy water by high, and drain & cut into 1/4 in.	Y LO OL
remaining the skillet.	AND
Pour liquid into thin baking pan.	
Combine lime juice, lime juice, finely grated cheese and water in	I LOVE YOU
a small saucepan and reduce heat. Cover and simmer about 20	I LUVE TUU
minutes at medium-high speed until thickened.	
	Janelle Shane
Yield: 4 servings	I can't think of a better way to learn about artificial intelligence,
	and I've never had so much lun along the way ADAM GRANT, New York Times besteelling author of Driginals





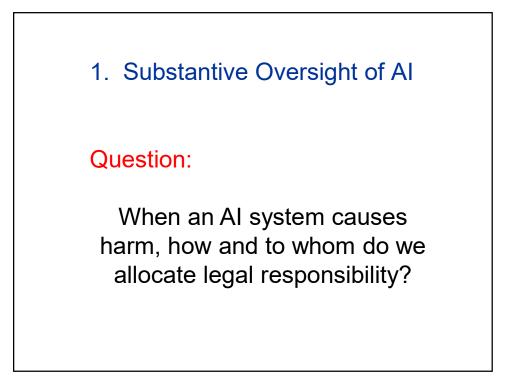


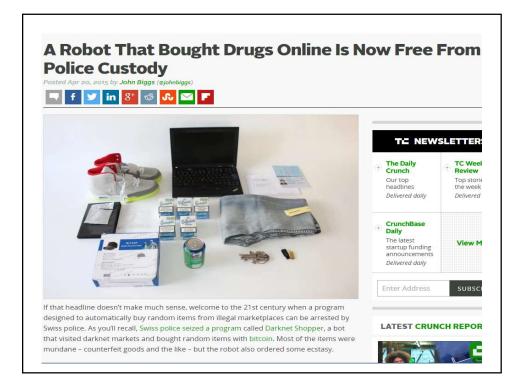


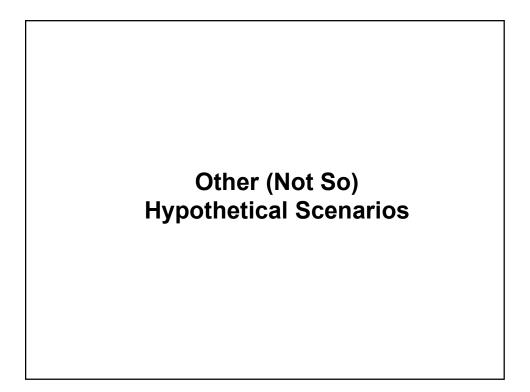




- 1. Substantive Oversight of Al
- 2. Al as Evidence
- 3. Al in the Practice of Law

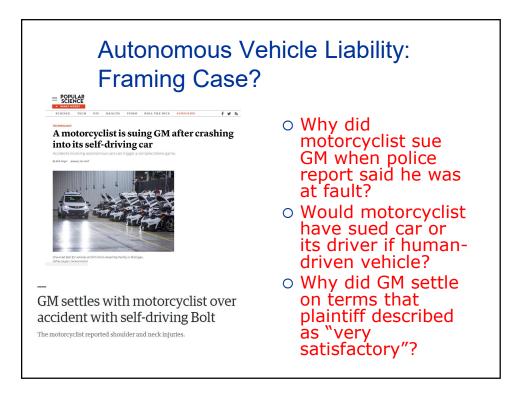






Autonomous car mistakes white panel semitrailer for sky; crashes into it and kills passenger



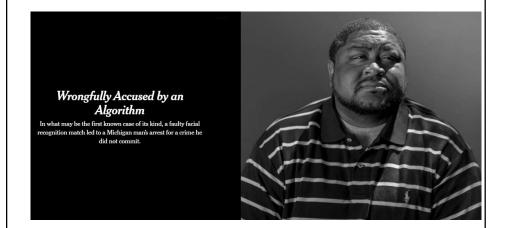


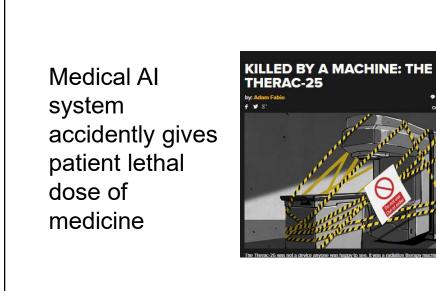
A bot released onto social media to provide public service messages inexplicably libels a person.





Biased algorithm leads to arrest of an innocent person for a crime he did not commit



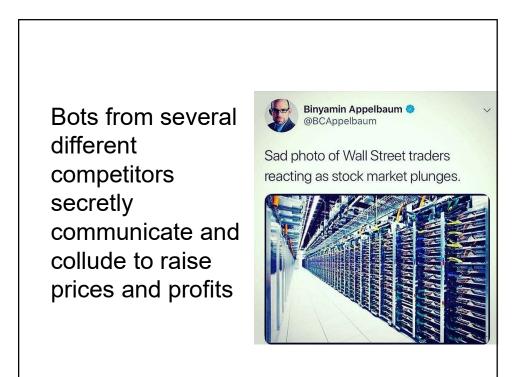


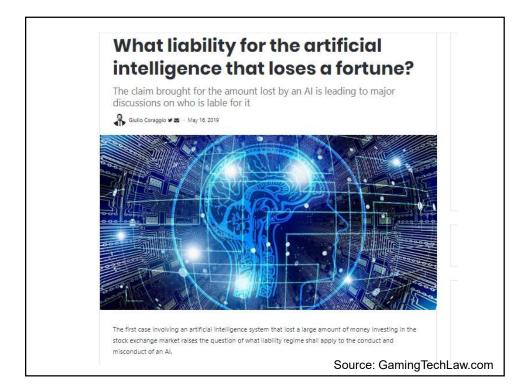
Government algorithm falsely accuses thousands of citizens receiving government benefits of fraud, resulting in damaged credit, lost jobs and homes, and bankruptcies

NEWS & FEATURES

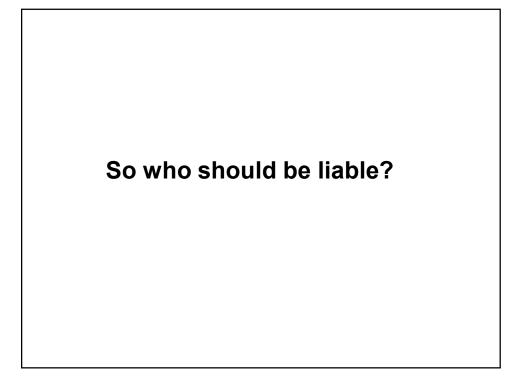
Government's Use of Algorithm Serves Up False Fraud Charges

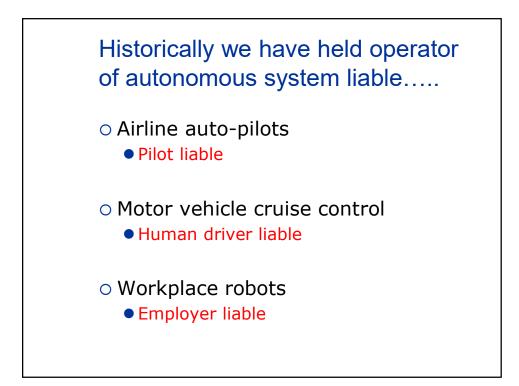
Using a flawed automated system, Michigan falsely charged thousands with unemployment fraud and took millions from them.

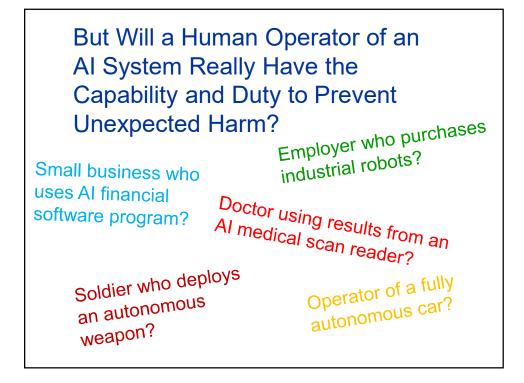




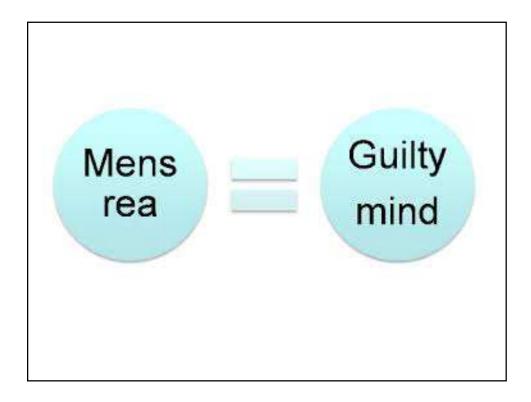


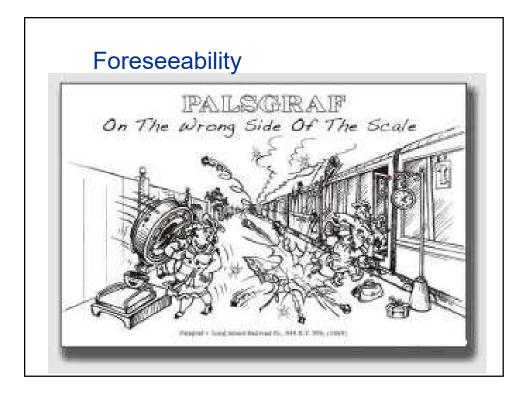












Defective Design

 A defective design is one that is unreasonably dangerous

> "the foreseeable risks of harm posed by the product could have been reduced or avoided by the adoption of a reasonable alternative design ..., and the omission of the alternative design renders the product not reasonably safe."



European Parliament 2014-2019	
Plenary sitting	
27.1.2017	A8-0005/2017
REPORT	
with recommendations to the Commission (2015/2103(INL))	on Civil Law Rules on Robotics
Committee on Legal Affairs	
creating a specific legal status for robots in the long run, so that at least the most sophisticated autonomous robots could be established as having the status of electronic persons responsible for making good any damage they may cause, and possibly applying electronic personality to cases where robots make autonomous decisions or otherwise interact with third parties independently;	



THE WALL STREET JOURNAL.

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http://blogs.wsj.com/taw/2016/07/13/court-judges-can-consider-predictive-algorithms-in-sentencing/

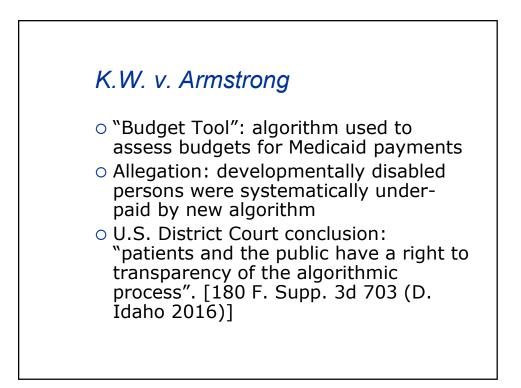
Court: Judges Can Consider Predictive Algorithms in Sentencing

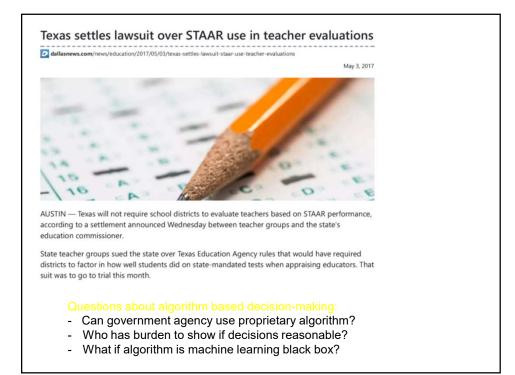
By JOE PALAZZOLO Jul 13, 2016 5:04 pm ET

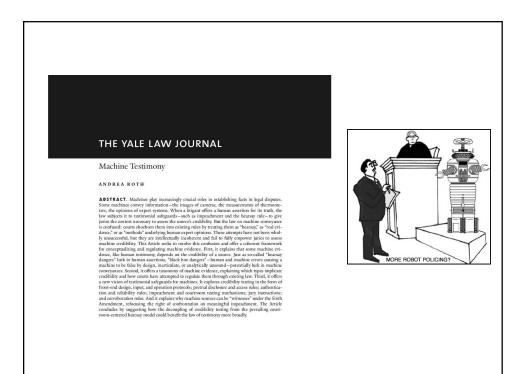


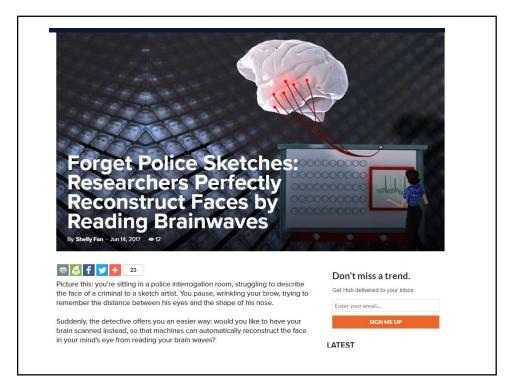
The Wisconsin Supreme Court, located in the State Capitol, is set to rule on whether algorithms used to predict criminality can be used in sentencing. PHOTO: GETTY IMAGES/SCIENCE SOURCE

Sentencing judges may take into account algorithms that score offenders based on their risk of committing future crimes, Wisconsin's high court ruled on Wednesday.



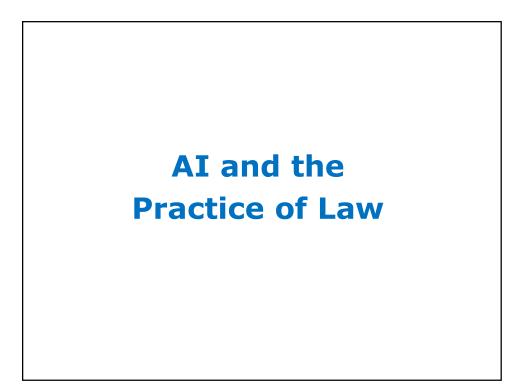


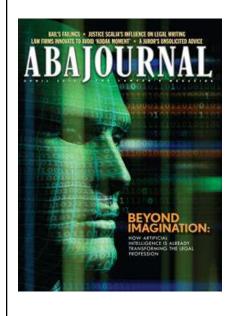






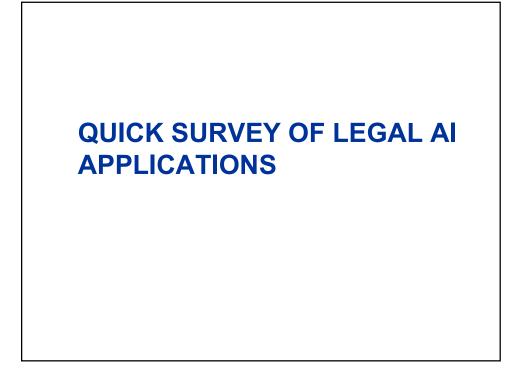


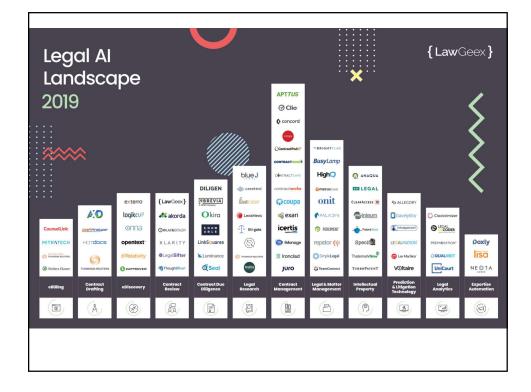




"Artificial intelligence is changing the way lawyers think, the way they do business and the way they interact with clients. Artificial intelligence is more than legal technology. It is the next great hope that will revolutionize the legal profession.... What makes artificial intelligence stand out is the potential for a paradigm shift in how legal work is done."







Electronic Discovery

SSISTED

According to academic studies, application of these methods (TAR) has resulted in significant monetary savings and time in locating ESI for disclosure in comparison to manual or "human eyes" review. "Studies have shown that technology-assisted review is at least 50 times more efficient than human-review, or manual, review."

Maura Grossman & Gordon McCormack, Efficient E-Discovery, ABA J. (April 2012).

ECHNOLOGY-

REVIEW (TAR)

The Washington Pos

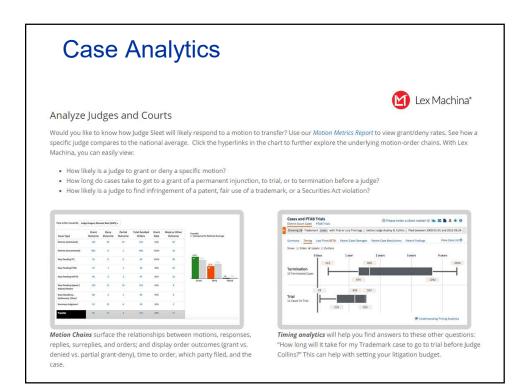
Legal Research

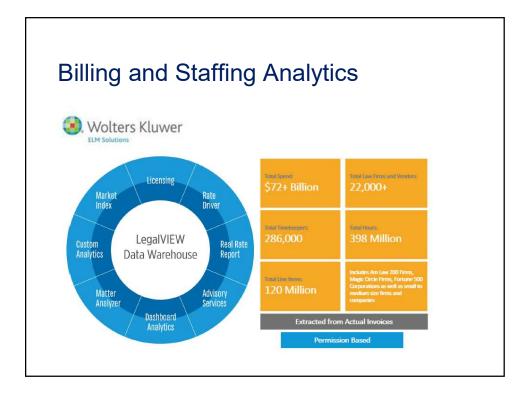
Meet 'Ross,' the newly hired legal robot

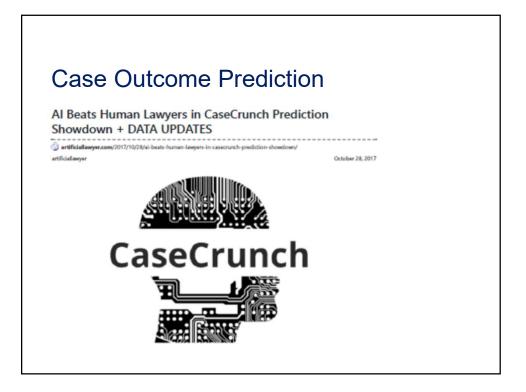


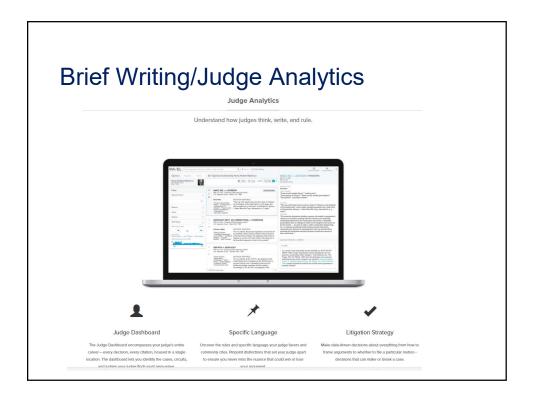
One of the country's biggest law firms has become the first to publicly announce that it has "hired" a robot lawyer to assist with bankruptcy cases. The robot, called ROSS, has been marketed as "the world's first artificially intelligent attorney.

ROSS has joined the ranks of law firm BakerHostetler, which employs about 50 human lawyers just in its bankruptey practice. The AI machine, powered by IBM's Watson technology, will serve as a legal researcher for the firm. It will be responsible for sifting through thousands of legal documents to bolter the firm's cases. These legal researcher jobs are typically filled by fresh-out-of-school lawyers early on in their careers. Can read over a million legal pages per minute

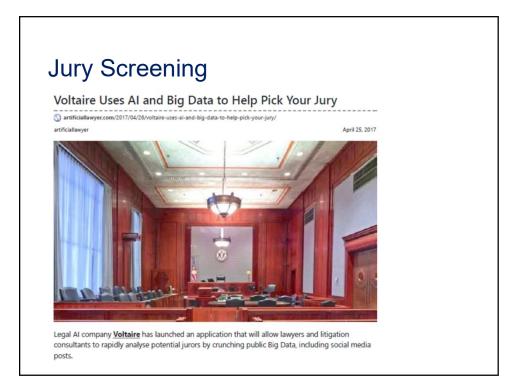


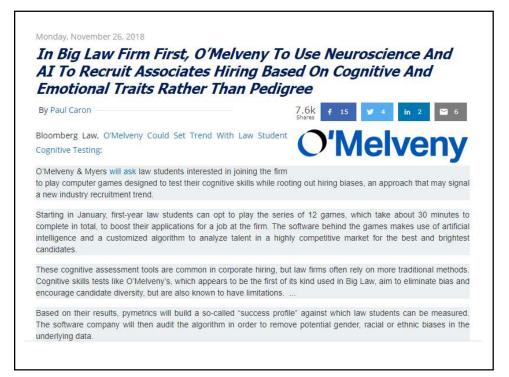


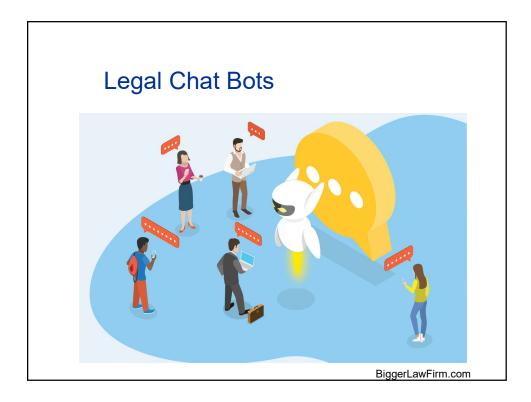


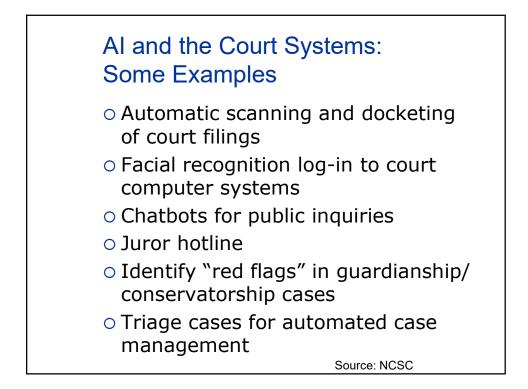














Hey Watson: Local judge first to use IBM's artificial intelligence on juvenile cases

Montgomery County's Capizzi teams with IBM to design system for children's court.



Q: "Can you foresee a day, when smart machines, driven with artificial intelligences, will assist with courtroom factfinding or, more controversially even, judicial decision-making?"

C.J. Roberts: "It's a day that's here, and it's putting a significant strain on how the judiciary goes about doing things."

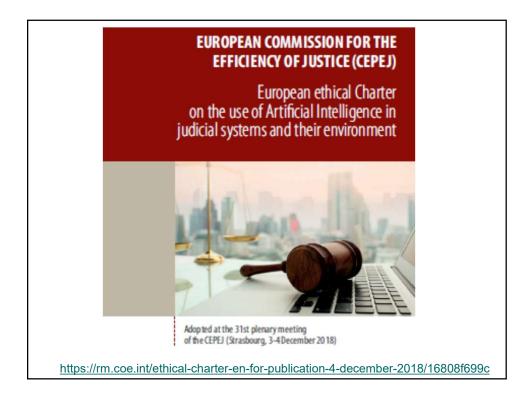


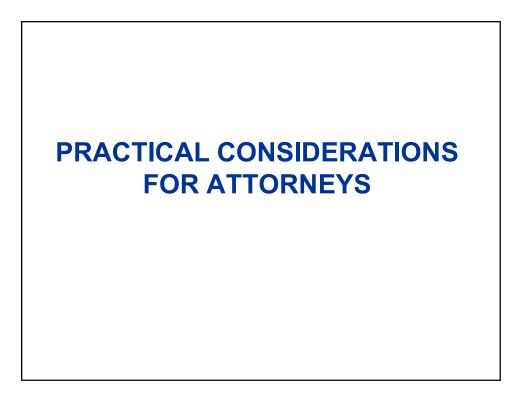
Chief Justice Roberts

NY Times, May 1, 2017









On the Positive Side...

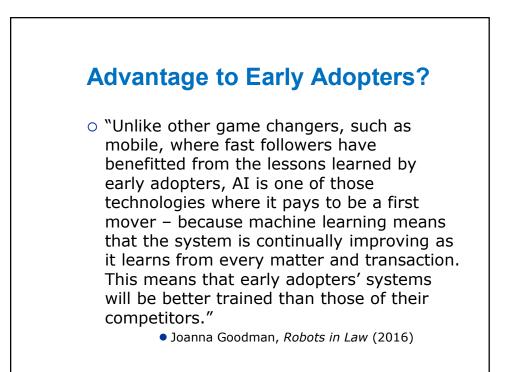
- "AI presents a myriad of opportunities for firms that are willing to work with it....There are many areas where clients would be willing to spend more money if they could see the added value. For example, a client organization could give all of its contract reviewing to a firm that could handle it quickly, accurately efficiently." (Robots in Law)
- Many companies and individuals cannot afford needed legal services; if AI allows firms to deliver legal services more efficiently, more client may be able to afford to engage law firms

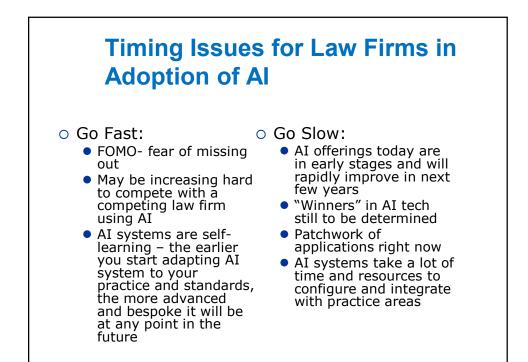
Moreover...

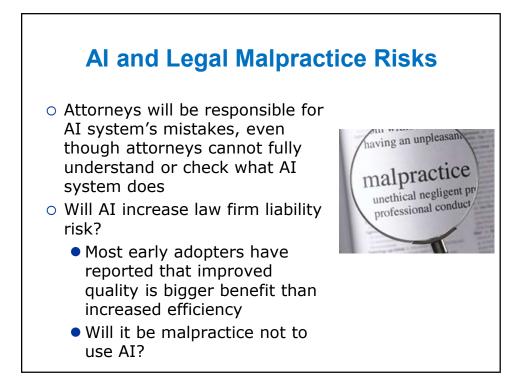
"AI and the technologies it enables such as robotics, blockchain, Medtech, Edtech, and FinTech will drive the reinvention of existing sectors from media, healthcare, education, and transport to retail, construction, and financial services. AI is already enabling the next wave of trillion dollar sectors and developments such as autonomous vehicles, DAOs, synthetic biology, smart materials, intelligent cities, blockchain data networks, and smart contracts... All these developments will require the interpretation, reframing and redrafting of legal frameworks and the creation of new legal concepts and dispute resolution mechanisms ..." -- Rohit Talwar

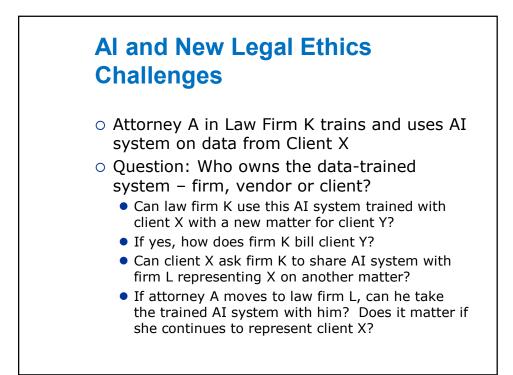
Selection of Al Vendors To date, AI vendors focus on specific task – no across-the-board legal AI system (yet) Law firms may need/want to use several different vendors for different AI tasks

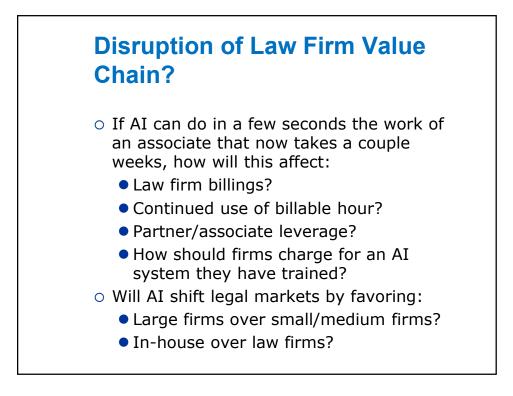
- Likely to be major shake-out of vendors in relatively near future (as has been seen with e-discovery)
- Nature of machine learning is that it takes time for AI system to be trained on and learn a firm's data and operations – would be highly disadvantageous to have start again if vendor goes out of business

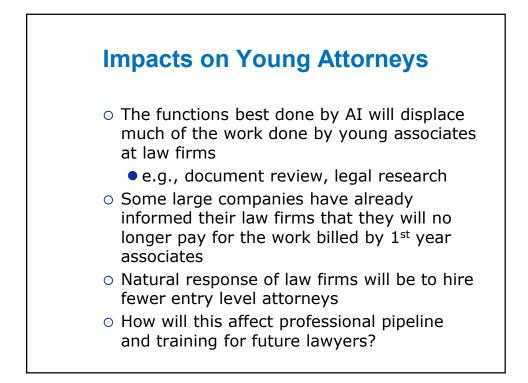












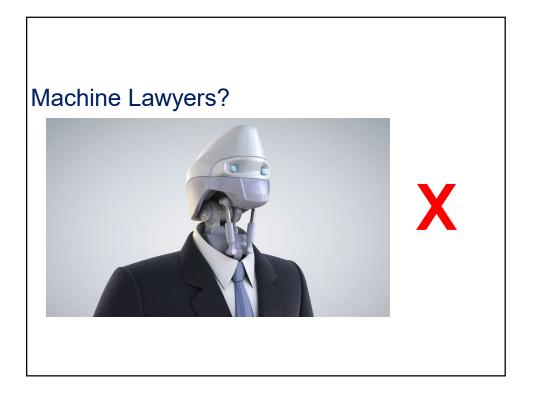


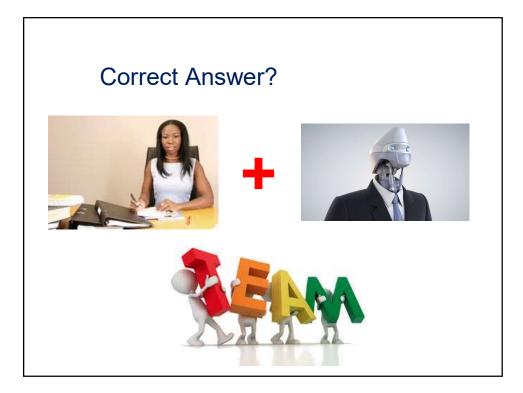


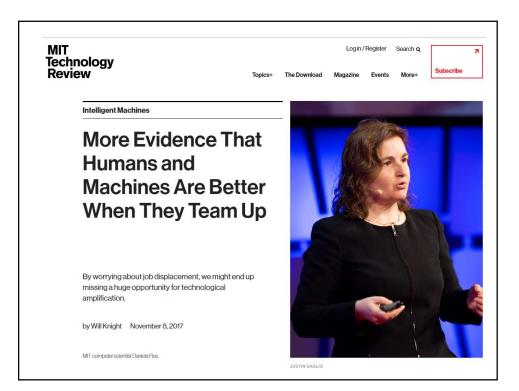


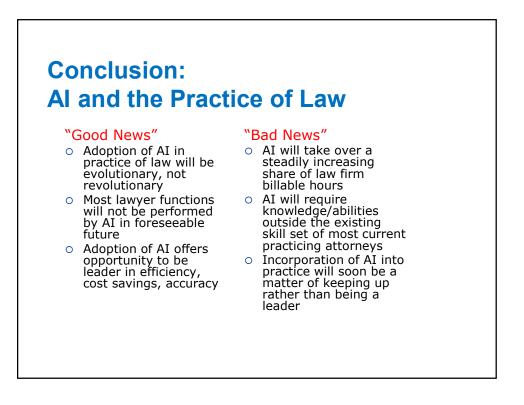
So Who Will Win – Humans or Machines?











"AI is a tool. A tool that we control. It is a tool that can make us more effective and efficient at what we do. It is a tool that can help us deliver our services more quickly and at lower cost. It is a tool that can help us serve more clients and serve them better. It is a tool that can enhance the delivery of legal services and that can help to close the yawning justice gap. It is a tool for good, not for evil. In fact, the dirty little secret of AI is that it can make us even better lawyers than we are without it."



Robert Ambrogi, Above the Law





