How artificial intelligence is changing the legal sector

April 26, 2019
What to expect from AI in 2019?

- 81% of executives believe that AI will work next to humans in their organizations in the next two years.
- The global corporate spending on AI systems will increase at a 54% CAGR by 2020.
- 66% of executives believe that AI will play an essential role in making strategic decisions.
- 51% of enterprises are expected to implement AI and automation into their critical processes.
JPMorgan Software Does in Seconds What Took Lawyers 360,000 Hours

by Hugh Son

February 27, 2017, 7:31 PM EST  Updated on February 28, 2017, 7:24 AM EST

New software does in seconds what took staff 360,000 hours.
Alibaba's AI Outguns Humans Reading Test

By Robert Fenner
January 15, 2018, 12:16 AM EST

- Its natural-language processing AI scored higher than humans
- Alibaba says it's the first time a machine outperformed people
Global Investment in Artificial Intelligence by Year ($B)

- 2019: $12 billion
- 2025: $232 billion

64% Growth Annually

Source: KPMG (2018)
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<th>Legal AI Landscape 2018</th>
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**www.lawgeex.com/buyersguide**
Technology and Process to improve due diligence quality and value

**Project manage review**
- Import index from data room
- Assign documents across teams
- Monitor progress in real time

**Collect diligence analysis**
- Standard review templates
- Uniform legal tags
- Collect review analysis in central database

**Generate reports**
- Customised report templates
- Produce executive summary and schedules from collected review analysis
How we are using AI – due diligence

- Identification of clauses
- Data visualisation
- Smart routing of documents by clause/type
- Variance to standard clauses (anomalies) and clustering
Document review – swinging pendulum

True reality for now

"Speeds up first pass"

"It'll never happen"

"Push of a button"
How Long Until Computers Have the Same Power As the Human Brain?

Lake Michigan's volume (in fluid ounces) is about the same as our brain's capacity (in calculations per second). Computing power doubles every 18 months. At that rate, you see very little progress for a long time—and suddenly you're finished.

1940
1 calcs/second

Mother Jones
Probability of Computerisation

Lawyers – 3%

- The Future of Employment: How Susceptible are Jobs to Computerisation? (Frey and Osbourne, University of Oxford, 2013)

- Persuasion
- Negotiation
- Originality
- Social Perceptiveness
The implications of A.I. on the legal profession.
Where do people go for legal help?

- Friend or Family (55%)
- Other (12%)

US hourly wage
$23 / hour

US lawyer fees
$260 / hour
A New Standard of Quality and Reasonable Care

Better than either on their own
The best law firms will develop new strengths.
Serve Clients While You Sleep

“SURVEY: 69 Percent of People Would Use Online Legal Services Over Attorneys.”

An example of serving others while you sleep.
What’s a Sifter?

Built on the experience of tens of thousands, our Sifters are trained to read text and look for a specific concept. They learn and improve over time.

Our Sifters use natural language processing and machine learning, forms of artificial intelligence.
If we were you.
The best law firms and legal departments will develop new strengths.
Think like designers and product managers.
Partner with Tech Companies.
Partner with Tech Companies.

Study how higher education has moved online over the last 20 years.
See Software and A.I. as just Another Change to Manage

Vision

An appealing picture of the future

Strategies

A logic for achieving the vision

Plans

Specific steps and timetables to implement strategies

Budget

Plans converted into financial projections and goals

The Relationship of Vision, Strategies, Plans, and Budgets

Leading Change, John P. Kotter
"Can you foresee a day when smart machines, driven with artificial intelligences, will assist with courtroom fact-finding or, more controversially even, judicial decision-making?"

Chief Justice John Roberts answer startled the audience.

"It's a day that's here, and it's putting a significant strain on how the judiciary goes about doing things," he said, as reported by The New York Times.
Thank You.