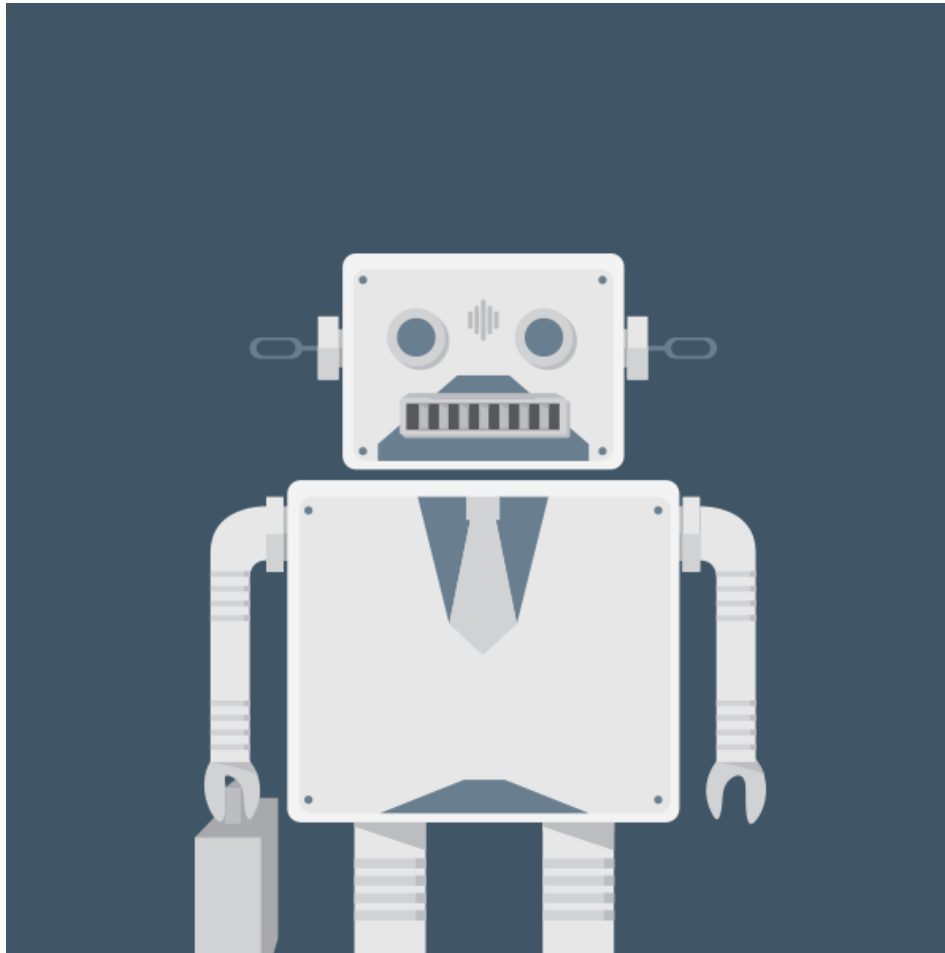


When Robots Join Law Firms



Joshua Lenon – Lawyer in Residence at Clio

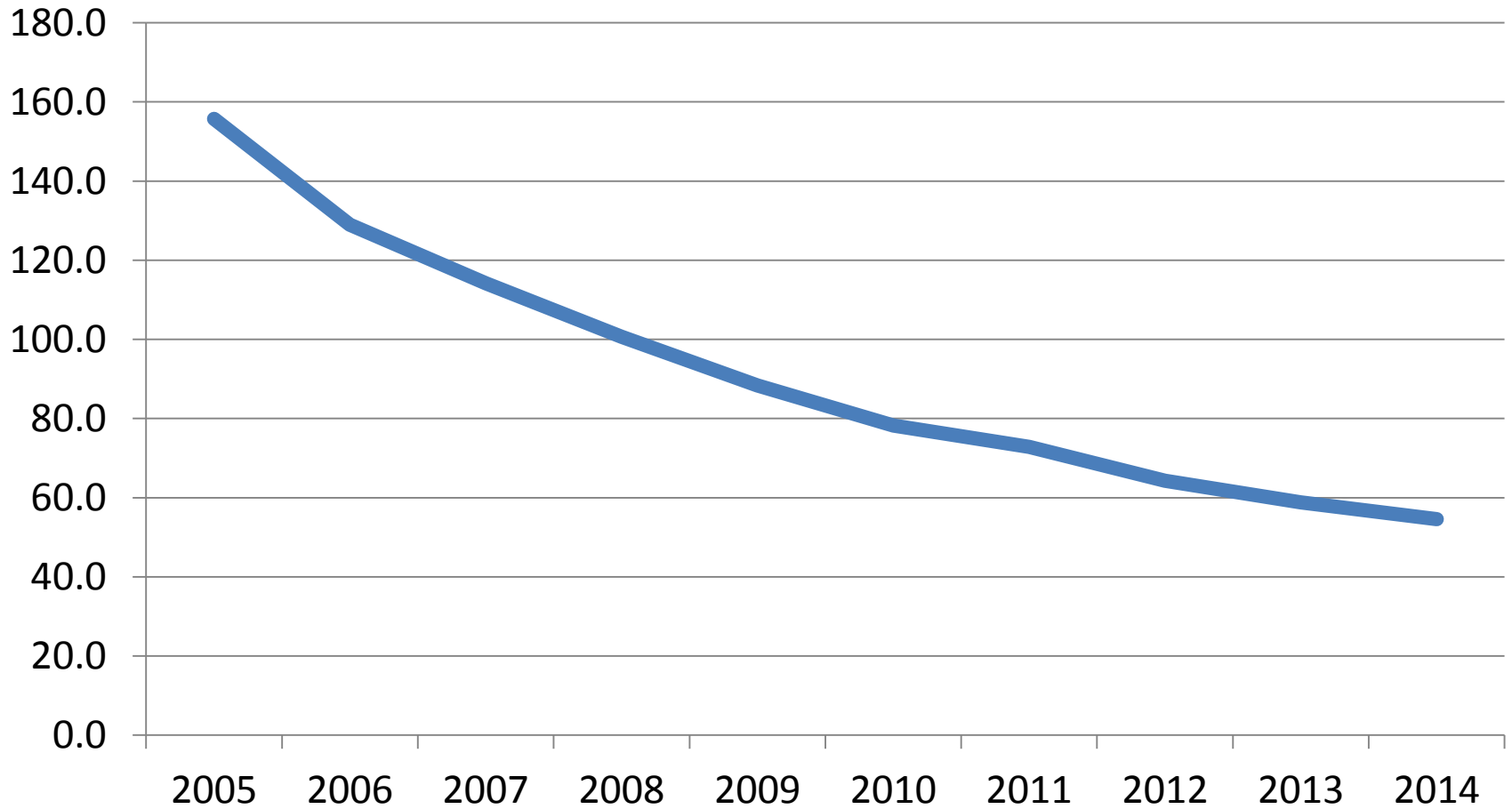




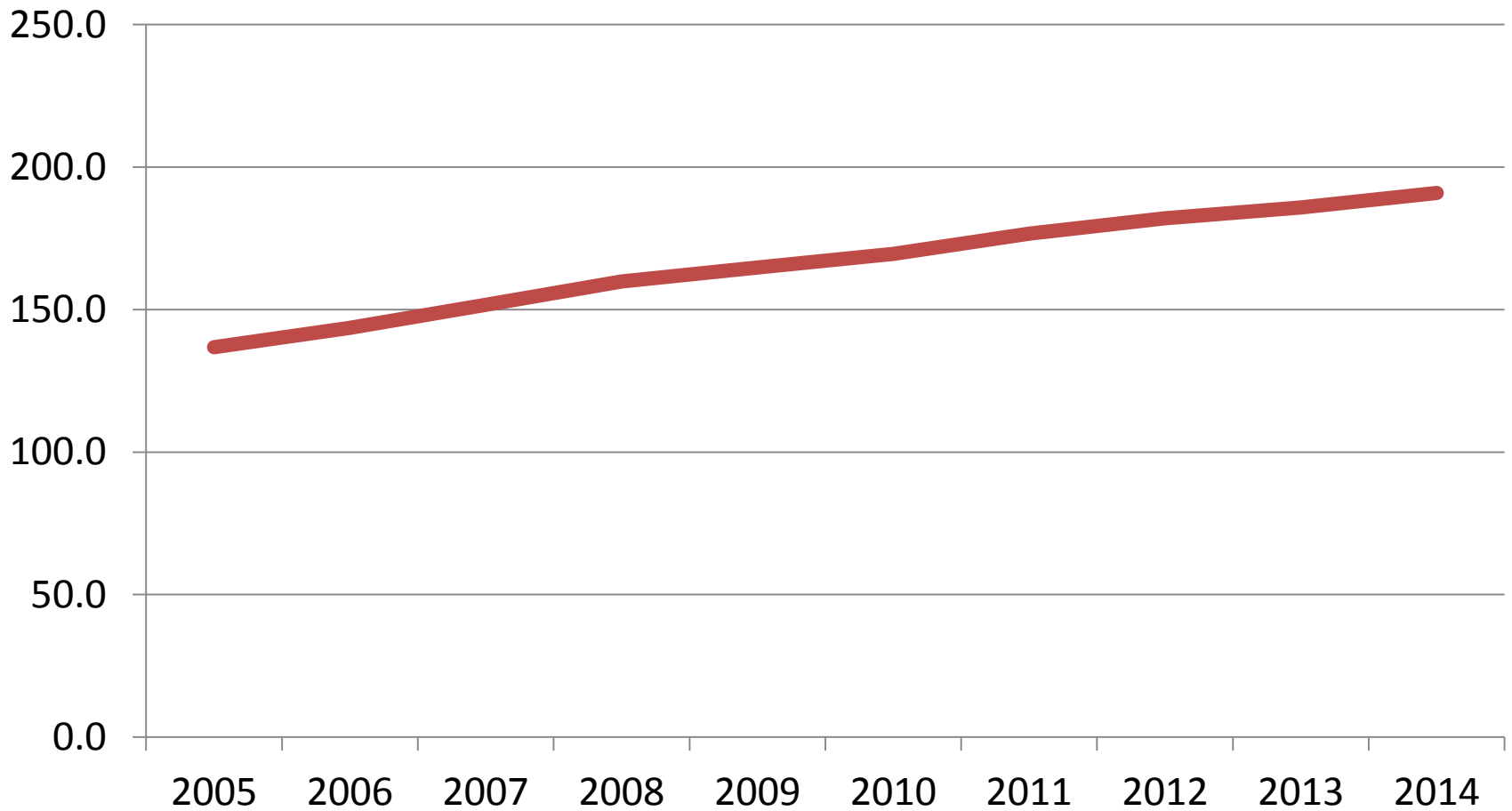
JUDGMENT DAY



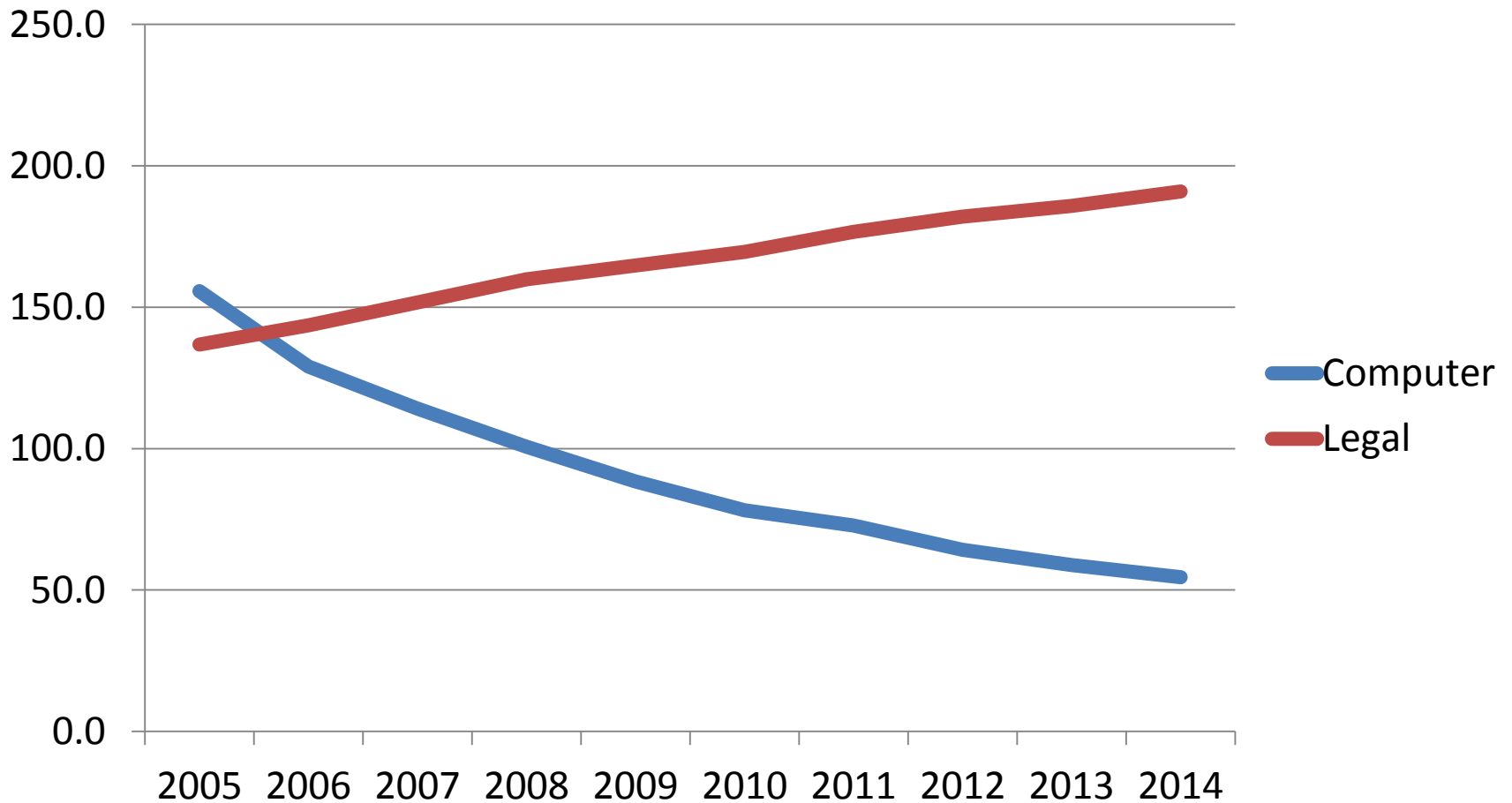
Computer Prices 2005+



Legal Service Prices 2005+



Compared Prices 2005+



Why does this matter?

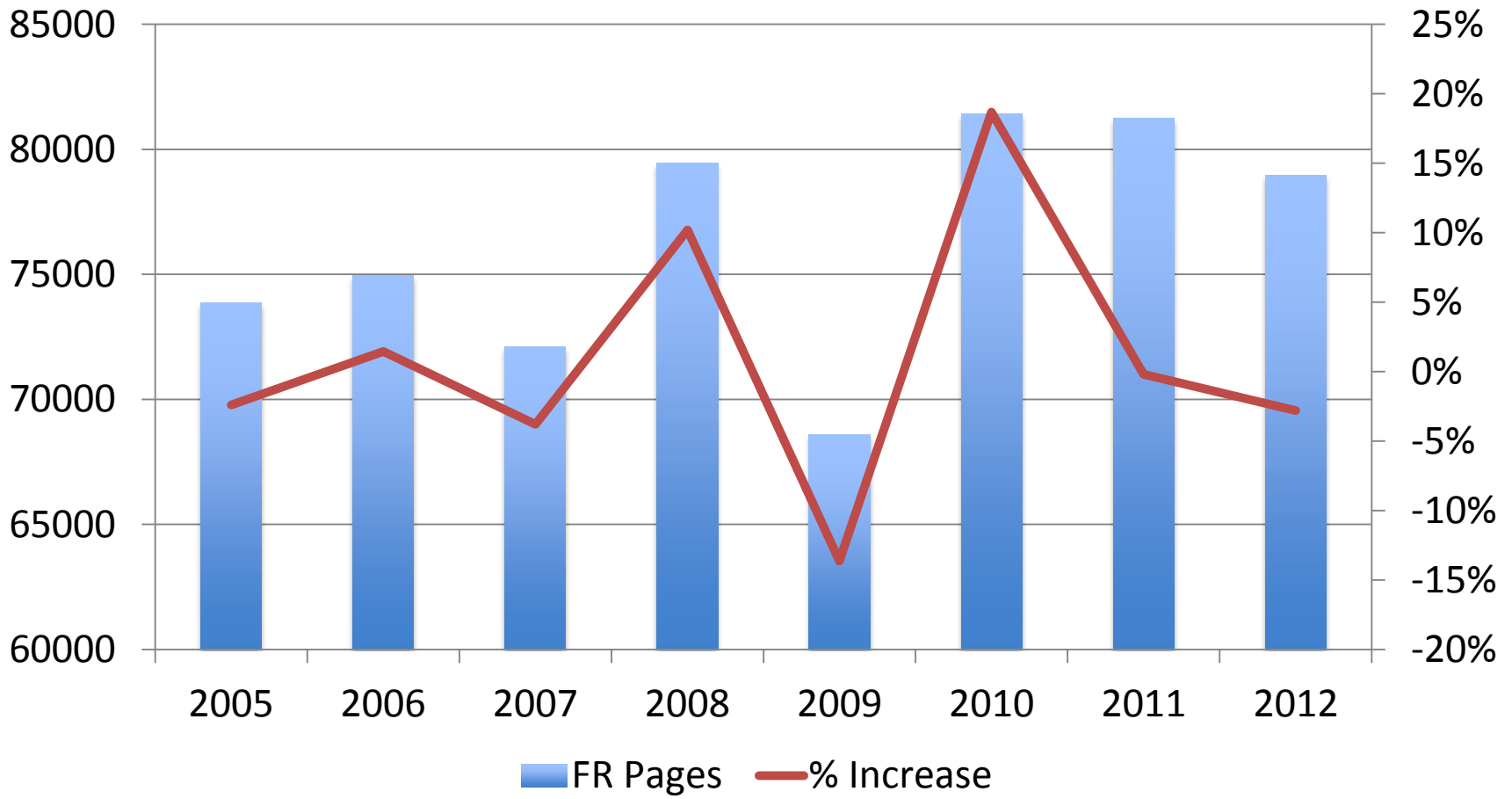


Constant Information Growth

- Number of Treaties on File with the UN: 550
- Number of Pages in the U.S.C.A: 200,000
- Number of Federal Court Civil Cases Filed Last Year: 271,950
- Number of Federal Court Civil Cases Terminated: 254,619.



Constant Information Change



Changes in law
affect every part
of our lives.



It has become impossible
for legal professionals to
know every relevant aspect
of the law





THE FIRST SHOT



Legal is not the only
knowledge sector
growing.



Medical Information

- Journal articles published last year:
1,113,989
- Pharmaceutical trials undergone: 162,866
- Malpractice cases payouts 2012: 12,142



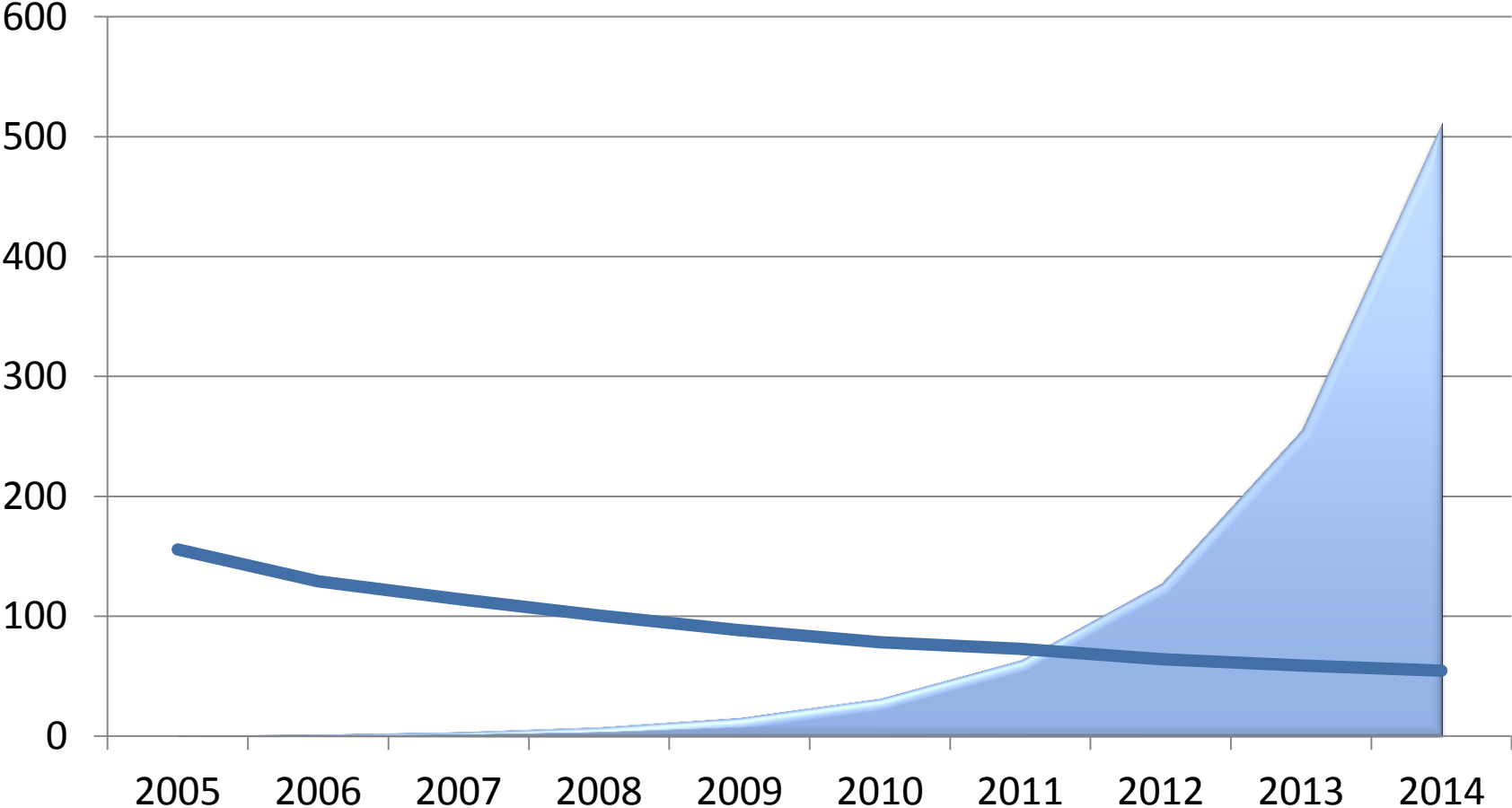
IBM Watson

Mines:

- patient data
- treatment guidelines
- Electronic medical data
- Doctor's notes
- Clinical studies



Processing Power



Technology allows medicine to predict and react from an informed position.



Technology allows medicine
to predict and react from an
informed position.



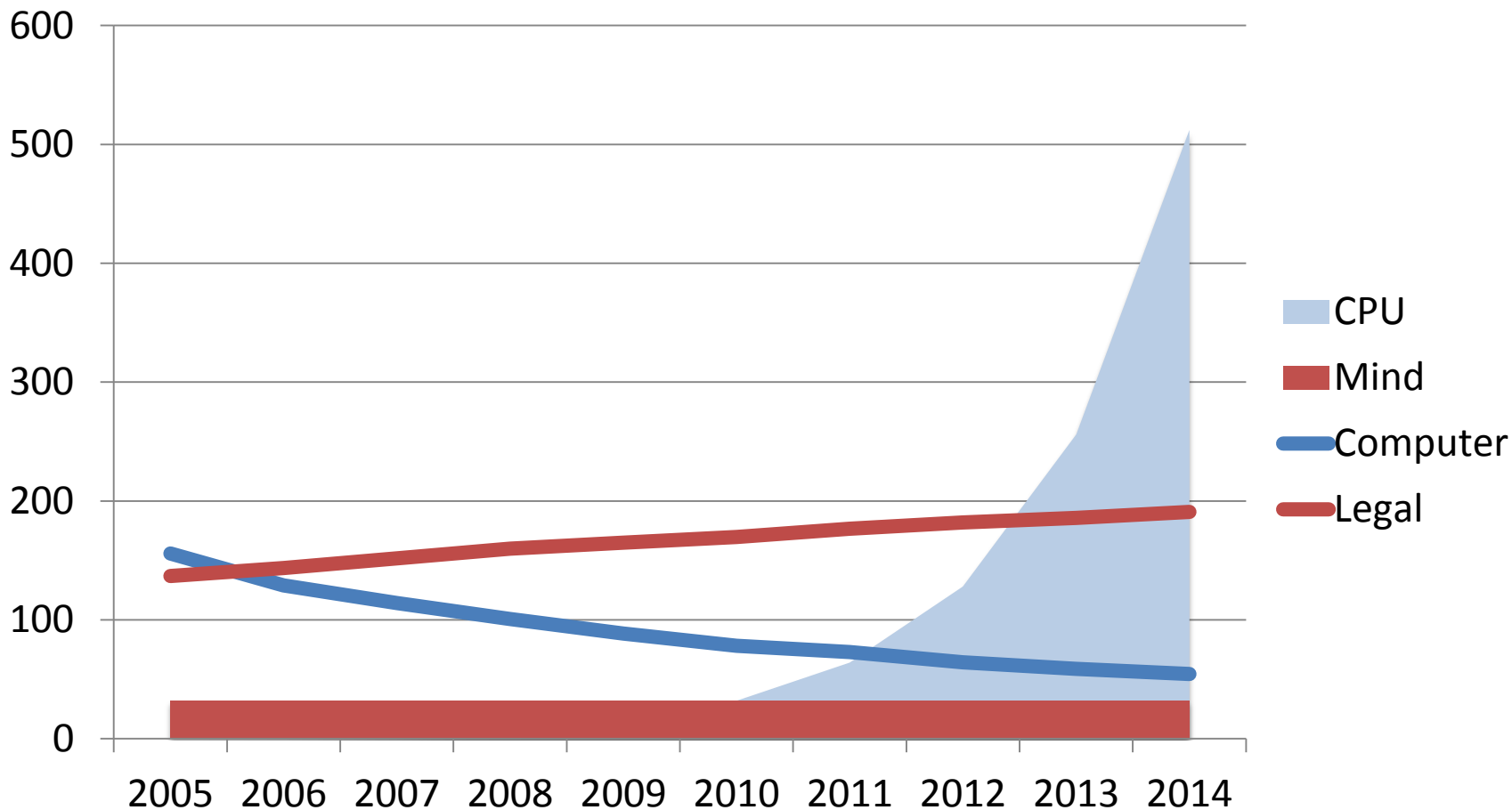
ROBOT INVASION



Technology should allow lawyers to predict and react from an informed position.



Processing Power



Technology to React

- Fastcase's Bad Law Bot

The screenshot displays the Fastcase website interface. At the top left is the 'fastcase' logo. On the top right, there are links for 'Fastcase Home | Contact Info | Help and Support | Logout'. Below the logo is a navigation bar with tabs for 'Start', 'Search', 'Results', 'Document', 'Print', 'My Library', 'Options', and 'Help'. The 'Results' tab is active, and an 'Interactive Timeline' sub-tab is also visible. Below the navigation bar, there is a 'Jurisdiction:' dropdown menu set to 'All Jurisdictions'. To the right of the dropdown are navigation arrows and the text '1 to 1 of 1 results'. Further right is a 'Search Within' button with a double arrow icon. Below these are two links: 'Print List of Results' and 'Print/Save Documents in Queue'. On the far right, there is an 'Authority Check' button with a checkmark icon and a help icon. Below the navigation and search area is a table with columns for 'Relevance', 'Case', and 'Decision Date'. The table contains one row for the case 'Ohio v. Roberts, 448 U.S. 56, 100 S.Ct. 2531, 65 L.Ed.2d 597 (1980)'. The 'Relevance' column shows '100%' and the 'Decision Date' column shows 'June 25, 1980'. Below the table, there is a brief summary of the case: 'This case presents issues concerning the constitutional propriety of the introduction in evidence of the preliminary hearing testimony of a witness not produced at the defendant's subsequent state criminal trial... Local police arrested respondent, Herschel Roberts, on January 7, 1975, in Lake County, Ohio. Roberts was charged with forgery of a check in the name of Bernard Isaacs, and with possession of stolen credit cards belonging to Isaacs and his wife Amy... A preliminary...'

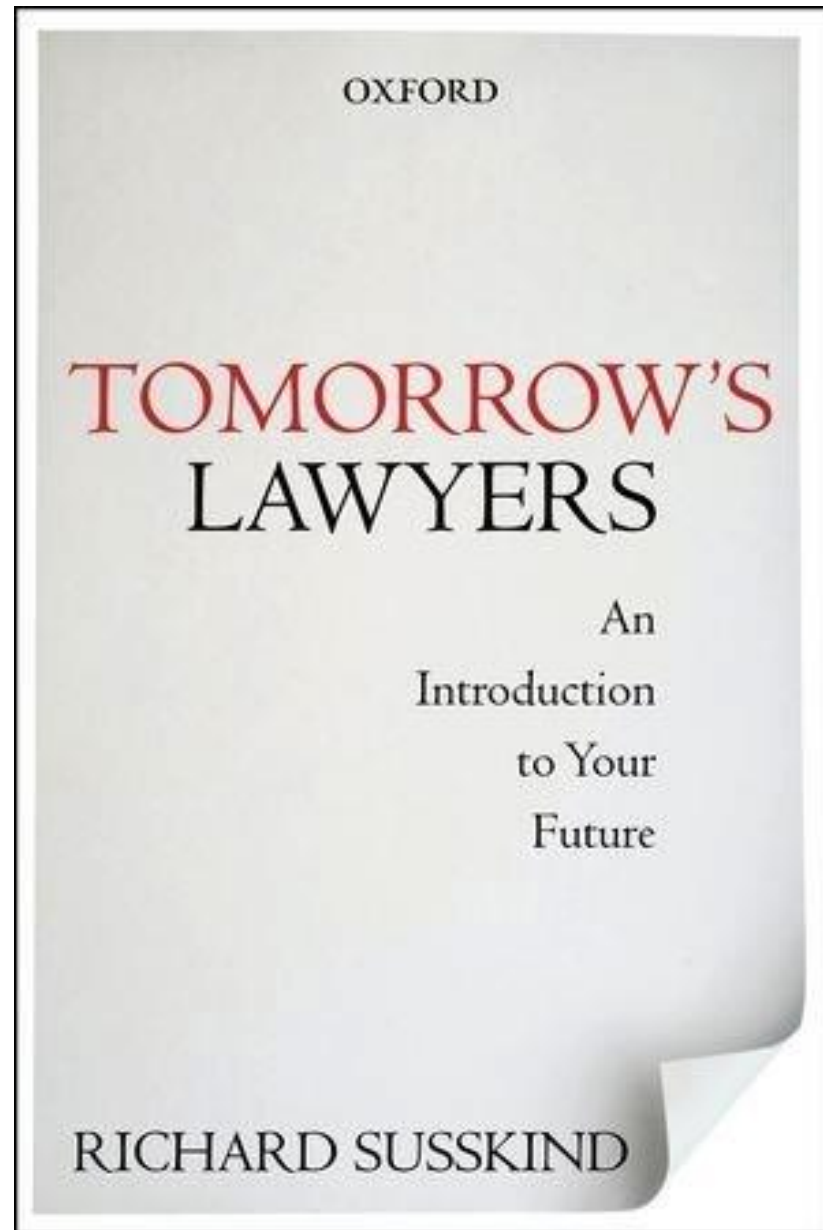
Relevance	Case	Decision Date
100%	1. Ohio v. Roberts, 448 U.S. 56, 100 S.Ct. 2531, 65 L.Ed.2d 597 (1980)	June 25, 1980

This case presents issues concerning the constitutional propriety of the introduction in evidence of the preliminary hearing testimony of a witness not produced at the defendant's subsequent state criminal trial... Local police arrested respondent, Herschel Roberts, on January 7, 1975, in Lake County, Ohio. Roberts was charged with forgery of a check in the name of Bernard Isaacs, and with possession of stolen credit cards belonging to Isaacs and his wife Amy... A preliminary...



Robot Invasion

- Expert Trusted Advisor
- Enhanced Practitioner
- Legal Knowledge Engineer
- Legal Process Analyst
- Legal Risk Manager



LexisNexis® MedMal NavigatorSM

The interactive tool that integrates medical and legal research with your case facts.



The logo features a stylized 'LM' monogram in dark grey, with a blue swoosh element that curves from the top of the 'L' over the 'M'.

Lex Machina

IP litigation data and analytics



Neota | Logic



Predict Rather Than React

What is the problem? The solution?	▶▶	Analysis and diagnosis
Is this permitted?	▶▶	Regulatory and policy compliance
What is our risk exposure?	▶▶	Transaction & activity audits
What do we need to do?	▶▶	Intelligent checklists
Do we have all the facts?	▶▶	Guided interviews
Have we considered all the issues?	▶▶	Decision support
What's the answer?	▶▶	Virtual advisors



Family & Medical Leave

User: Corporate
Managers

- Rules:
 - Family Medical Leave Act
 - State Law
- Factual Variations: 15m
- Questions Asked: 16-25
- Time: 2-6 minutes



EU Collateral Directive

User: Lawyers

- Rules:
 - 21 jurisdictions
 - 93 types of financial obligations
 - 10 forms of agreement
 - 4 types of collateral
 - 11 types of counterparties
 - 16 types of financial institutions
- Factual Variations: 13m
- Questions Asked: 8-12
- Time: 1 minute



Robots as Investments

Embracing
technology has
reduced the costs
of producing
bound volumes
by 60% and time
to dispatch by
80%.

C L I F F O R D
C H A N C E





POST-INVASION



Reduced Territory

Since 2010, more than 20 law firms in Washington, DC have reduced their office space.

- Contracted 270,000 Square Feet
- Backend operations moved out of town



Reduced Population

Applications to law school have dropped 20% since 2008

Of those students completing law school in 2012, only 56% had long-term, full-time jobs that required Bar passage – i.e. lawyers

Law firms are shedding non-professional staff



Reduced Trade

- Business steering work away from law firms
 - In-house legal departments hiring technology vendors over law firms for discovery
- Consumers unable to afford traditional legal services
 - Average person must work 7-10 hours to pay for 1 hour of lawyer's time





CONCLUSION



Robots will not replace Lawyers

Robots WILL do the work of many traditional lawyer duties, like e-discovery & compliance.

Law firms that embrace robot colleagues will have a competitive advantage

Lawyers that can build robots will be in demand



Thank You

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[@JoshuaLenon](#)

[Linkedin.com/in/joshualenon](https://www.linkedin.com/in/joshualenon)



CRUSH ALL HU-MANS!

