



SAUDI LAW CONFERENCE
المؤتمر السعودي للقانون

UNDER THE THEME OF: **REINFORCING A SUSTAINABLE
AND INCLUSIVE BUSINESS ENVIRONMENT**

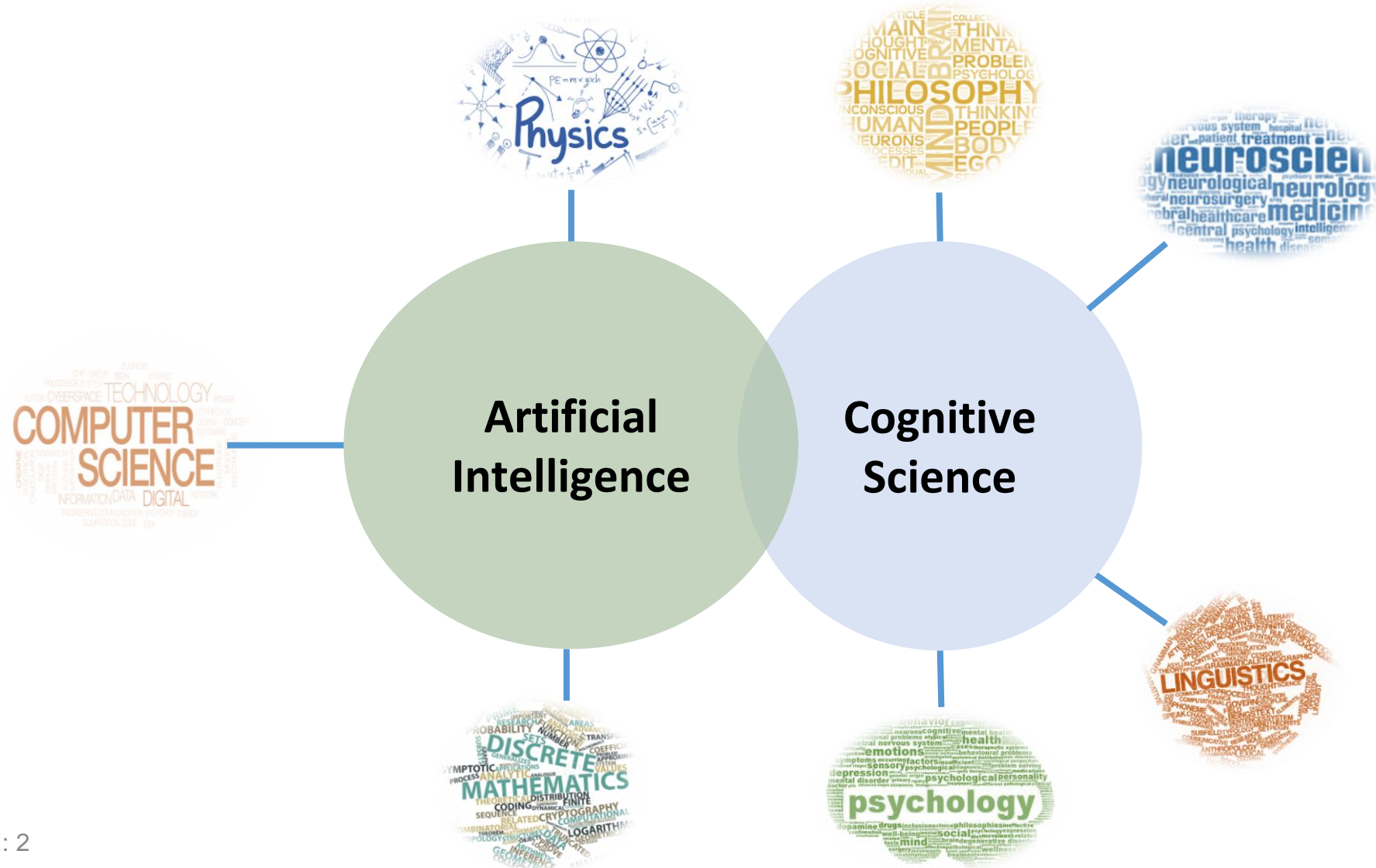
“Artificial Intelligence and Law”

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AI is Multidisciplinary

Since 1956



What is Artificial Intelligence?

Human Reasoning -> AI Concept -> innovation in AI application

amazon

Machine Learning and Deep learning

Google

Search

Robot



Knowledge Representation and Reasoning



Image Processing



Computer Vision

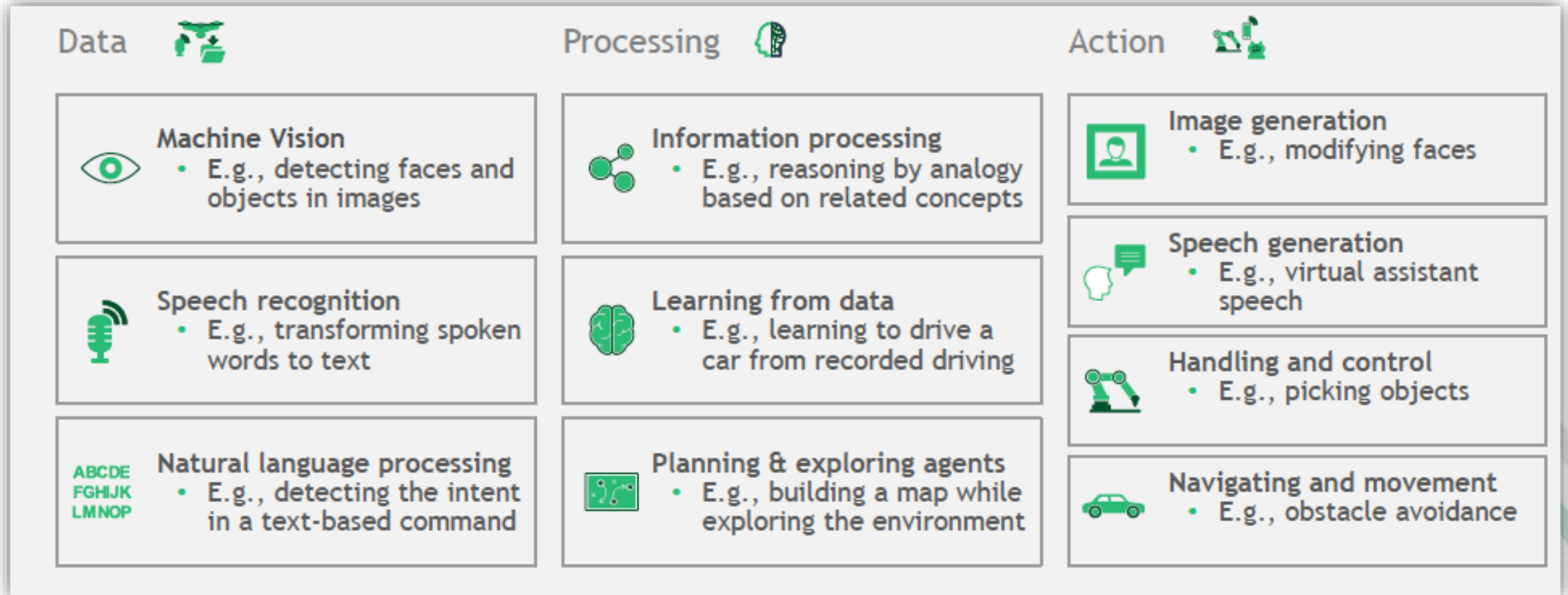
Natural language processing



Speech recognition



AI Building Blocks



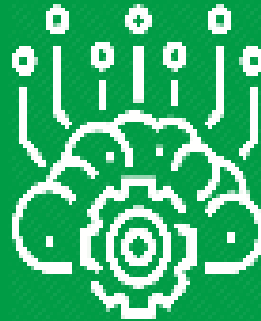
AI Evolution



**Skyrocketing
volume of data
(x10 by 2020)**

In 1 minute

3.1M Google searches
422K Tweets
3.3M Facebook posts
205M Emails sent



**Advance
Algorithms**

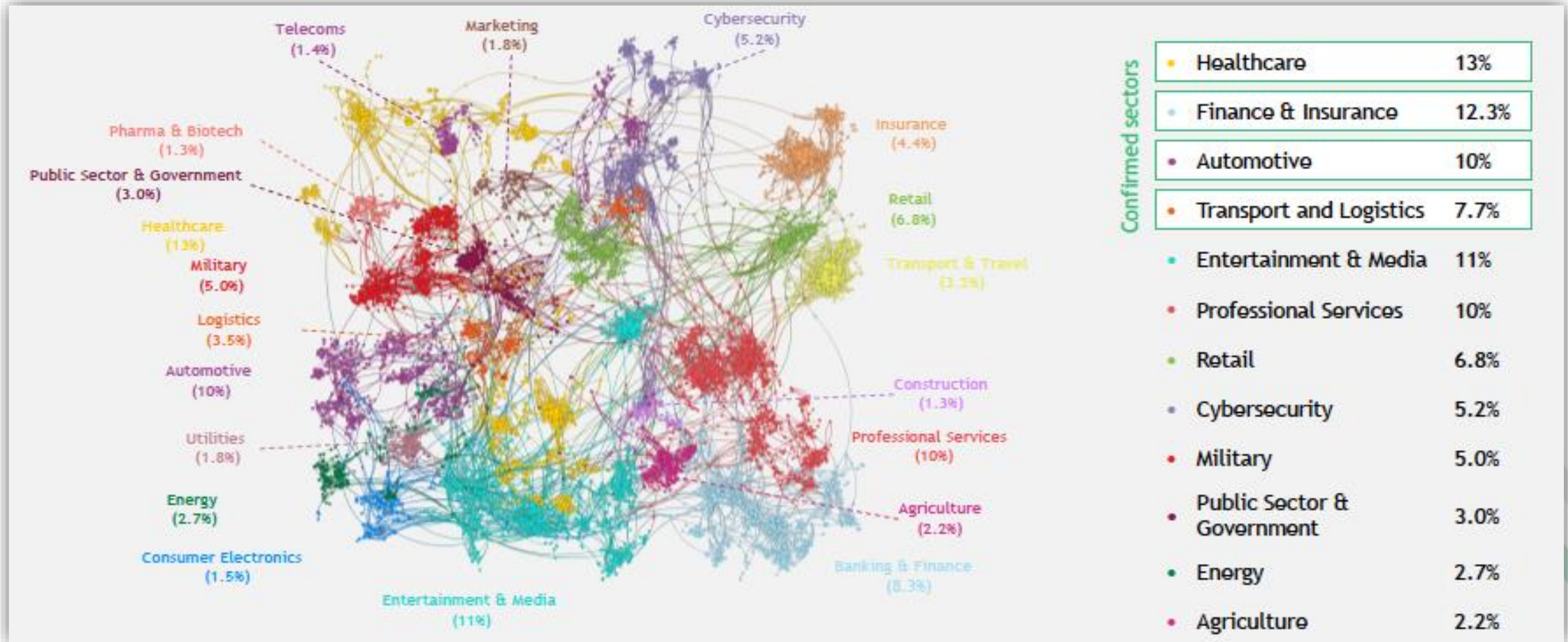


Supercomputers

1,000,000,000,000,000,000
calculations per second



AI Top Sectors



The Role of AI in the Legal Domain

WHY LAW?

1. The legal profession is one of the most *conservative fields*.
2. Improving *the performance* in the legal domain.
3. Supporting the decision making process (*judges the judge who judges wrong*).
4. Making *and interpreting* Law, policies and regulations
5. Limiting *Corruption* in Government via automation.



Word of Mouth from World Pioneers



“White color work in the legal world, automating massive amounts of *legal document* (AI in Law)” Andrew Moore, Carnegie Mellon University

World Economic Forum
January 2016 – Davos

“if you are in a car accident in a foreign country, *a robo-lawyer*, with *access to all legal data in any city in any language*, will come to the rescue.” Michio Kaku



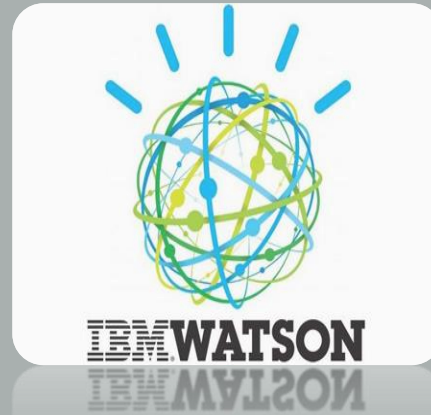
World Government Summit
February 2018 – Dubai



How AI is Transforming Law and Legal Practice



**Contract
Interpretation**



Lawyerbot



**Legal Reasoning:
Case Prediction
and Decision
Analysis**

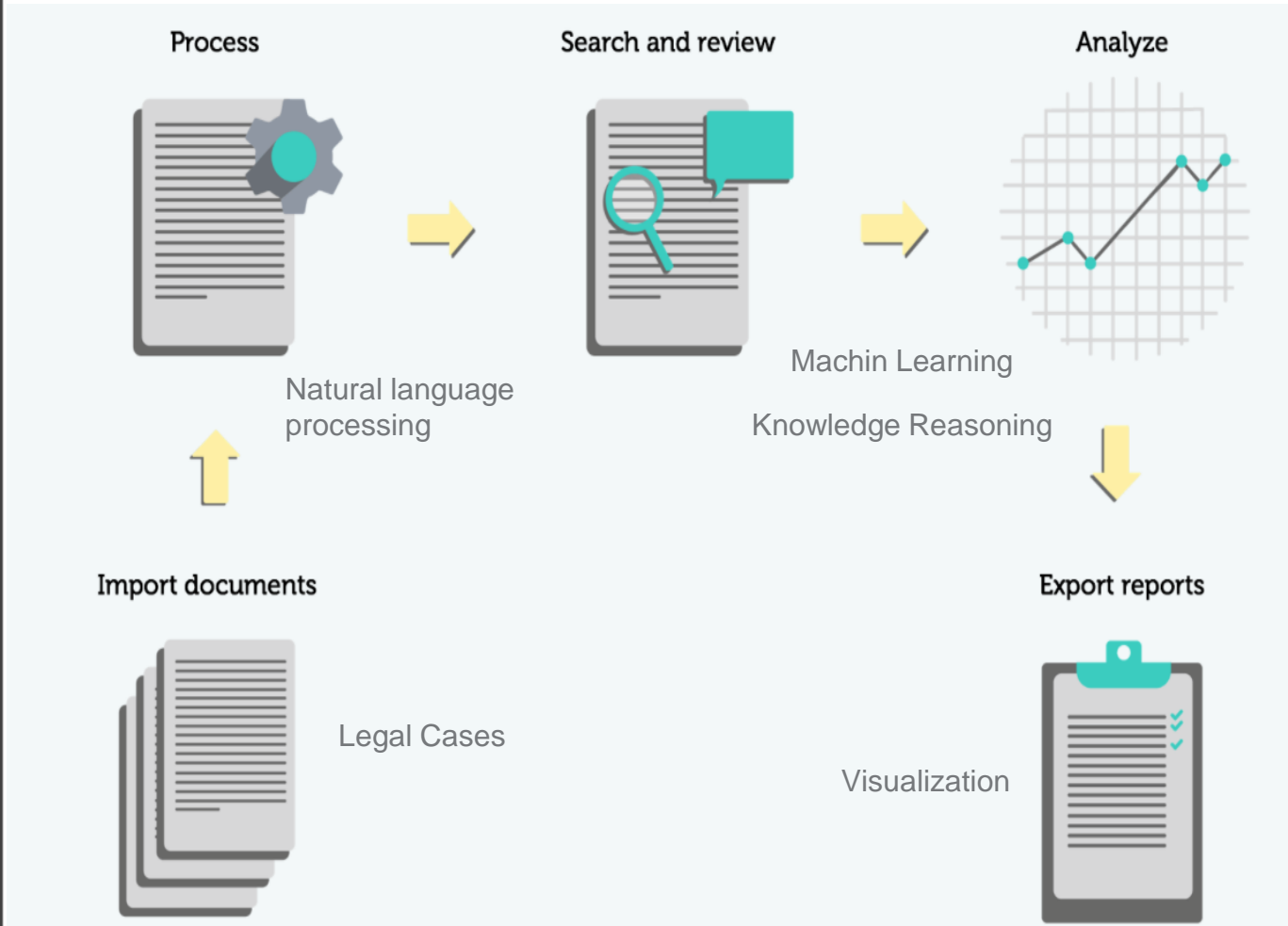


Smart Contracts



**Legal Services:
Billable and Time
analysis**

Legal Case Analysis and Research tools



Unstructured data:

Oral hearings and legal case documents

Goal:

- Predict case decisions.
- Justify legal argument.
- Classify legal domains.
- Recommend changes in law.

Users:

- Governments (Courts)
- Law Firms
- Legal Departments
- Law Students



Contracts Analysis



Project TLV

Q

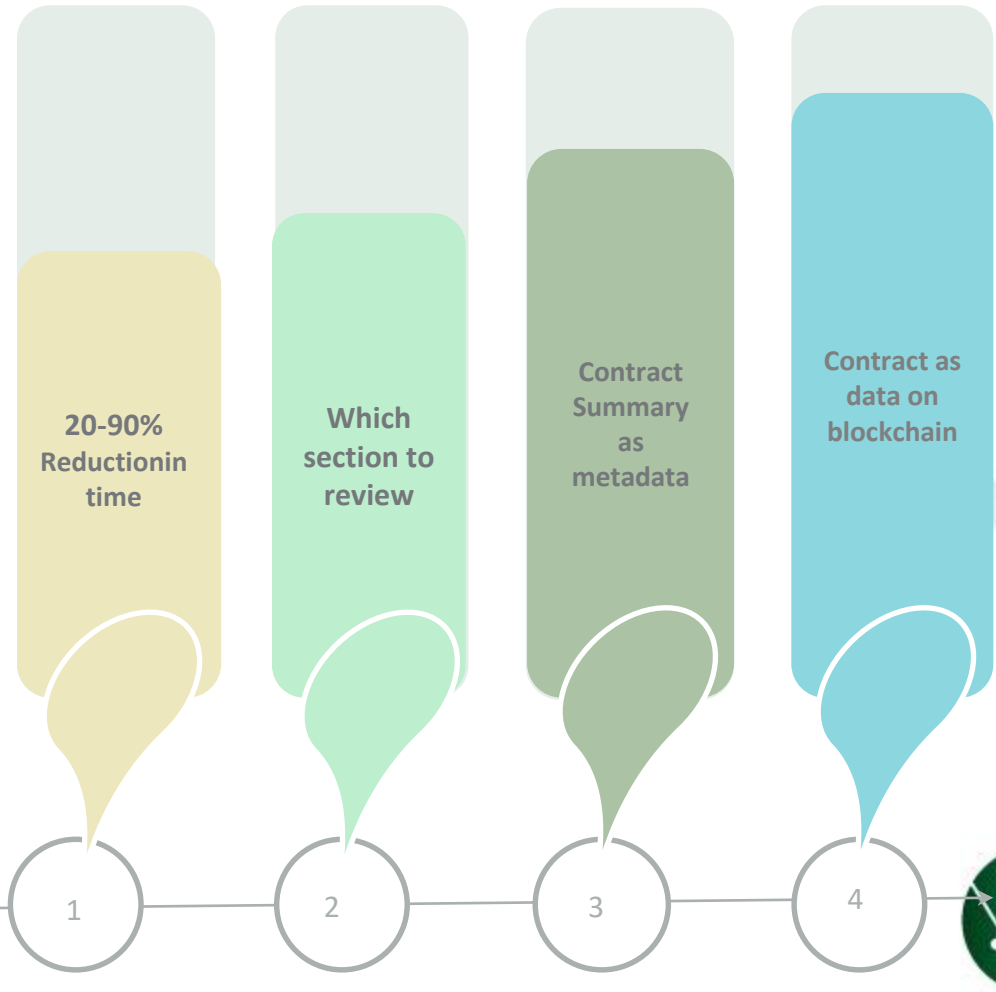
By Document By Provision

< > 1 to 16 items of 16. Export

document	Title	Parties	Date	Term	Assignment	Change of Control	*Control Definition	*Affiliate Definition	Governing Law	Force Majeure	Indemnity	Limitation of Liability	Dispute Res	Exp
BKCC INVESTMENT MANAGEMENT AG...	1	1	1	1	1	2		1	1	3				
BMTI SUPPLY AGR.pdf	2	1	1	1	1	3	1	1	1	3	4	2		
can supply agt scan.pdf	1	1	1	2	1	1		1	1	2	1	5	1	
CCO bagan emp k.docx	2	1	1	4	1	5		2		1	1	3		
CCO C Davis emp k.docx	1	1		2		1		1		1	1	2		
CCO form emp k.docx	2	1		4	1	5		2		1	1	3		
CCO M Levy emp k.docx	1	1		3	1	3		1		1	1	2		

These systems acquire “knowledge” that can be transferred between matter, and Identify contract clauses, regardless of how they are phrased, in any language.

Evaluation



Organizations Advice Systems

Acquisitions
guide

Financing guide

Standards and policies

Decision Tree:

filtered by client type,
business type, activity type
and theme.

Advice

- Use the guides' *comparative tables* to assess the inconsistencies between the laws of the countries.
- Users undertake an *initial assessment* of the feasibility of a proposed transaction/ advice (cut costs significantly).
- Applied it to the impact of *regulatory rule changes* on financial institutions.

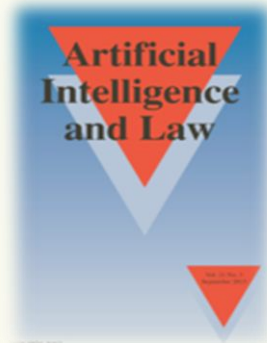
NE 
LOG



AI and Law Venues



International
Association of AI
and Law (IAAIL)



Journal of AI and Law



JURIX

The Foundation for Legal Knowledge Based Systems

Academic Conferences



Legal Innovation

Legal Informatics Center:



CODEX
The Stanford Center for Legal Informatics



Master Programs and Crash Courses in *Legaltech*



School of Law

LLM Legal tech
(*New* 2018)

Master in Legal Tech
(Global program)

LegalTech and Access
to Justice
(Course)

Legal Innovation &
Technology
Certificate Program



Towards AI Governance

(Ethics -> Policies -> Legislations)

Fairness



- Are we **replicating** human flaws?
- Are algorithms building the **new infrastructure** of *Racism*?

Transparency



How and **why** the system made a particular *decision*?

- **Transparency Standards**

Responsibility



Who is **accountable** in the decision making process:

- **Programmer?**
- **Manufacturer ?**
- **User?**

AI and Law in Saudi Arabia.. Where are we now?



Recommendations

1

**Enhance
Training** in *legal
tech and tech
policies and
legislations*

2

**Support
Startups**
AI will disrupt legal
profession

3

Meet and host
conduct
workshops, and
conferences

4

**Research to
lead..Share
Data**



Thank you



Questions



IDEAS



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“AI tells you what the
reality will become”