Enhanced Intelligence: AI and Your Legal Analysis

September 30, 2020

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About Me

- Mallory Acheson is head of analytics for Nelson Mullins' e-discovery division, Encompass. Based in Nashville, she is an attorney with multiple years of experience leveraging technology and data analytics tools to guide clients through a variety of challenges across the EDRM and IGRM.

- Acheson was honored as 2020 Nashville's Top 30 Under 30 and is a trustee and contributor of Duke-EDRM projects such as Technology Assisted Review, Artificial Intelligence, Identifying PII & PHI, and FOMO: Documents versus Facts.

- Acheson holds a certification from Georgetown Law's E-Discovery Training Academy and multiple technical certifications such in platforms such as Brainspace & Relativity.
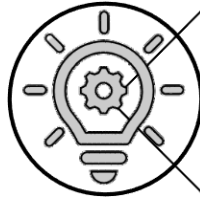
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The accelerated adoption and development of legal technology presents attorneys with the opportunity to enhance legal analysis and compliance issues with greater speed, accuracy, and cost savings.
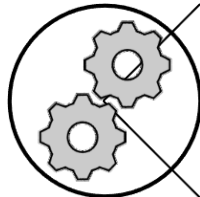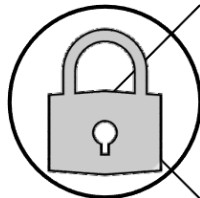
AI Enhancement Areas

Knowledge Management

Insights

Technology Assisted Review

Privacy

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IMPORTANT DEFINITIONS

ARTIFICIAL INTELLIGENCE

"Making intelligent machines"

- John McCarthy

NATURAL LANGUAGE PROCESSING

"Language is a uniquely human capability … but through AI - specifically NLP - we are providing machines with language capabilities…"

- Harvard Business Review

MACHINE LEARNING

"Computer systems that automatically improve with experience"

- Stanford University

DEEP LEARNING

"When machines can do tasks that typically require human intelligence."

- Forbes

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Trending Acceptance

"For better or worse, the field of law is tradition-bound and notoriously slow to adopt new technologies and tools. Expect this to change in the years ahead. More than any technology before it, artificial intelligence will _transform the practice of law in dramatic ways_. Indeed, this process is already underway."

Forbes _December 2019_

"The case law has developed to the point that it is now black letter law that where the producing party wants to utilize TAR for document review, courts will permit it."

Rio Tinto Plc v. Vale S.A., 14 Civ. 3042 (RMB)(AJP) (S.D.N.Y. Mar. 2, 2015)

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Know your case!

Not all technology is meant for all cases and data sets.

Knowledge Management – Trained Models

These pre-trained models assist with compliance, risk, and e-discovery.

- Educated start

- Models learn with your data set

- Customizable for your issues

Marketing Emails

Financial Fraud

Explicit Comments

Example Models

Career Advancement

Harassment

Pricing and Fees

Financial Fraud

Knowledge Management – Monitoring

Actively learning data set via learned concepts and example data

Monitor and alert when parameters indicate violation or risk

Pull forward risks and violations

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Knowledge Management – Contract Analysis

AI technology pre-trained to find and extract relevant provisions within your contracts for further review, management, and compilation

Due Diligence

Pricing, Non-Compete/Exclusivity, Termination, Indemnity, Change of Control, Titles, Parties, Dates, etc

Lease Abstraction

Rent, Terms & Renewals, Liens, Transfer Fees, Use of Premises, Indemnities, Casualty, etc

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Insights – Case Assessment

Prior to any significant review, AI offers insights into a data set to enable early strategy discussions and preparation.

- ❖ Witness/Custodian Identification
- ❖ Key Player Insight
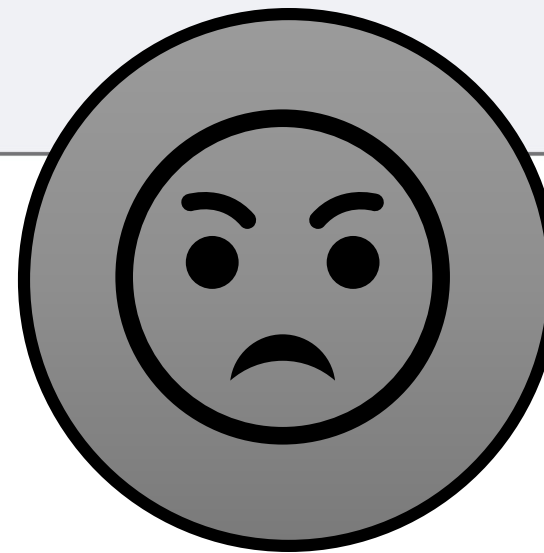- ❖ Gap Analysis
- ❖ Major Themes
- ❖ Junk Analysis
- ❖ Data Type Analysis

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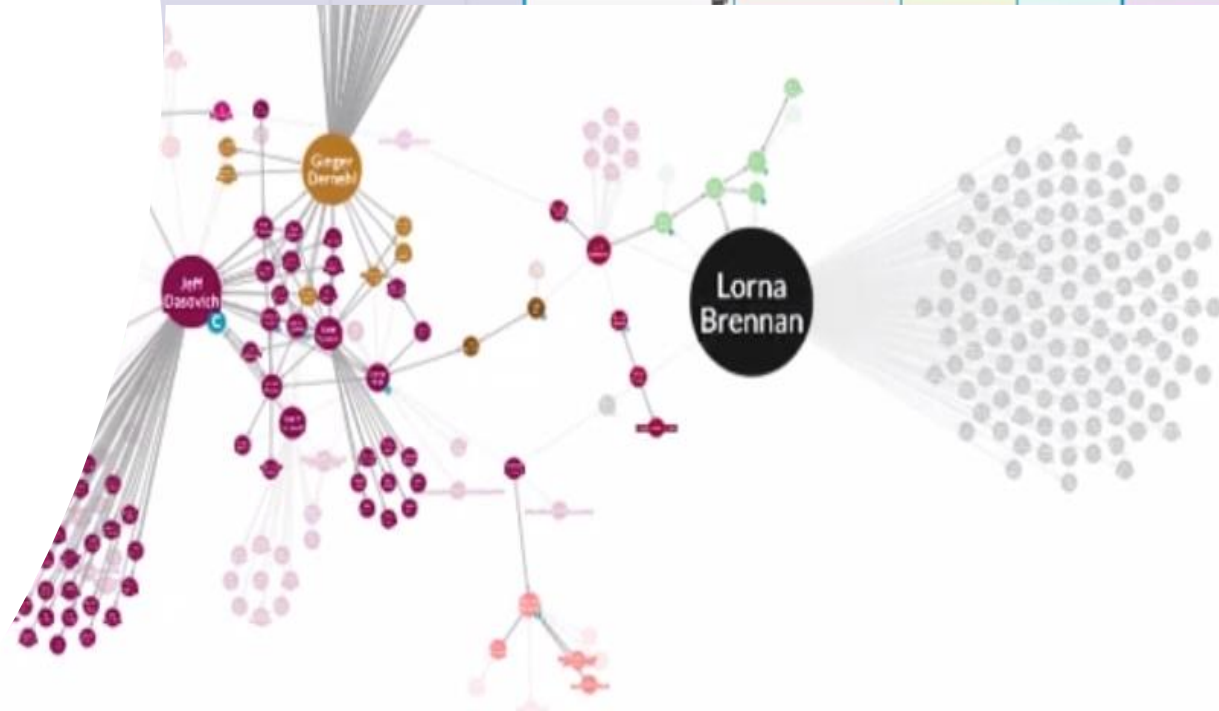
Insights – Anomaly/ Pattern Detection

After hours communications, unexpected timelines, patterned conversations, etc
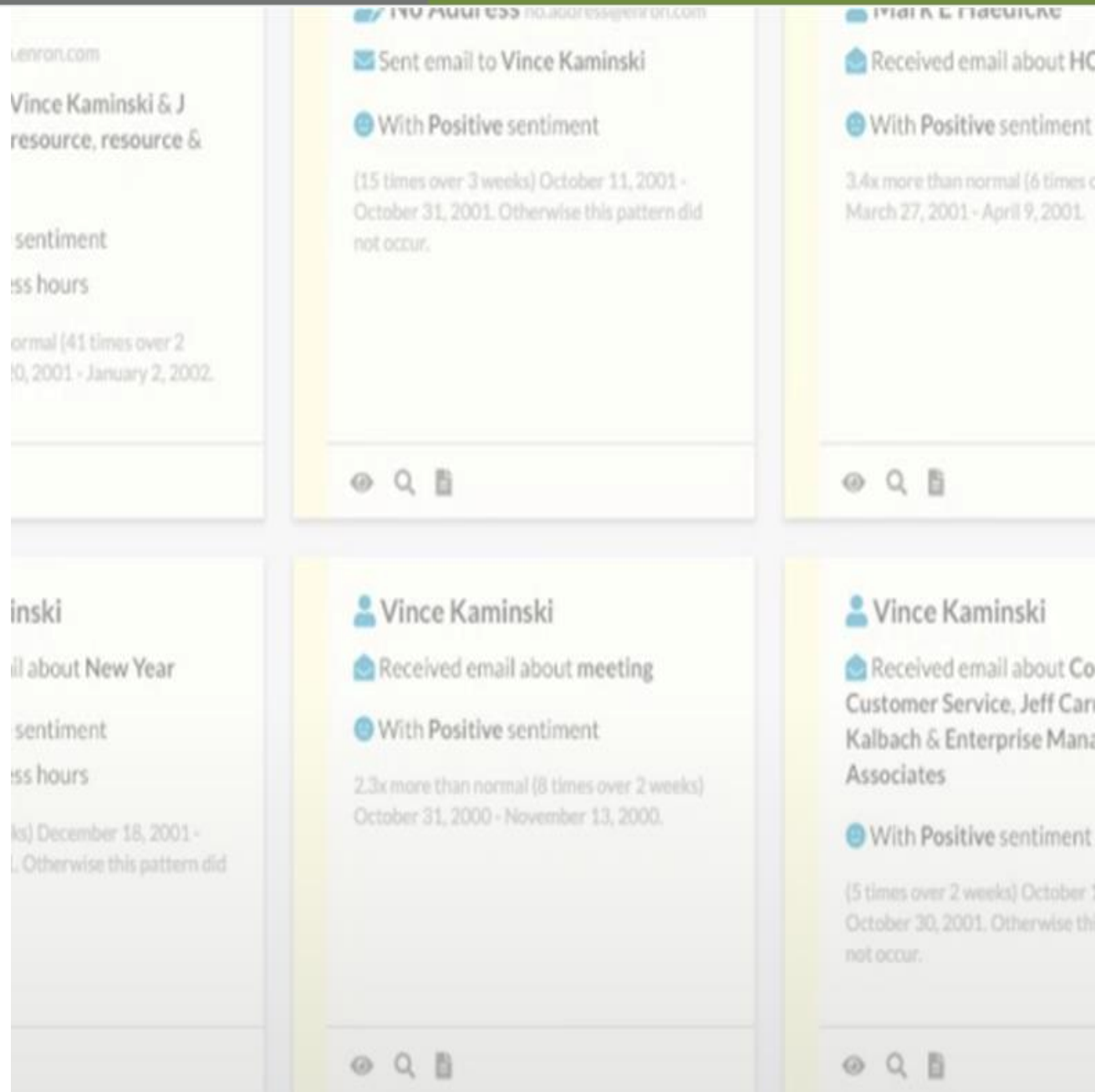
Insights – Sentiment Detection

"It Is not about what you say, it is about how you say it."

Technology Assisted Review – Population Culling/ Organization

A process of having computer software electronically classify documents based on input from expert reviewers, in an effort to expedite the organization and prioritization of the document collection

-EDRM

Other Technology– Population Culling/ Organization

Email Threading

Textual Near Duplicate Identification
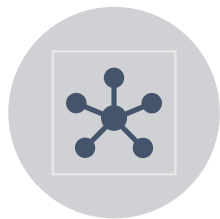
Conceptual Organization

Language Identification

KEY DOCUMENT

PRIVILEGED DOCUMENT

SPECIFIC CONCEPT
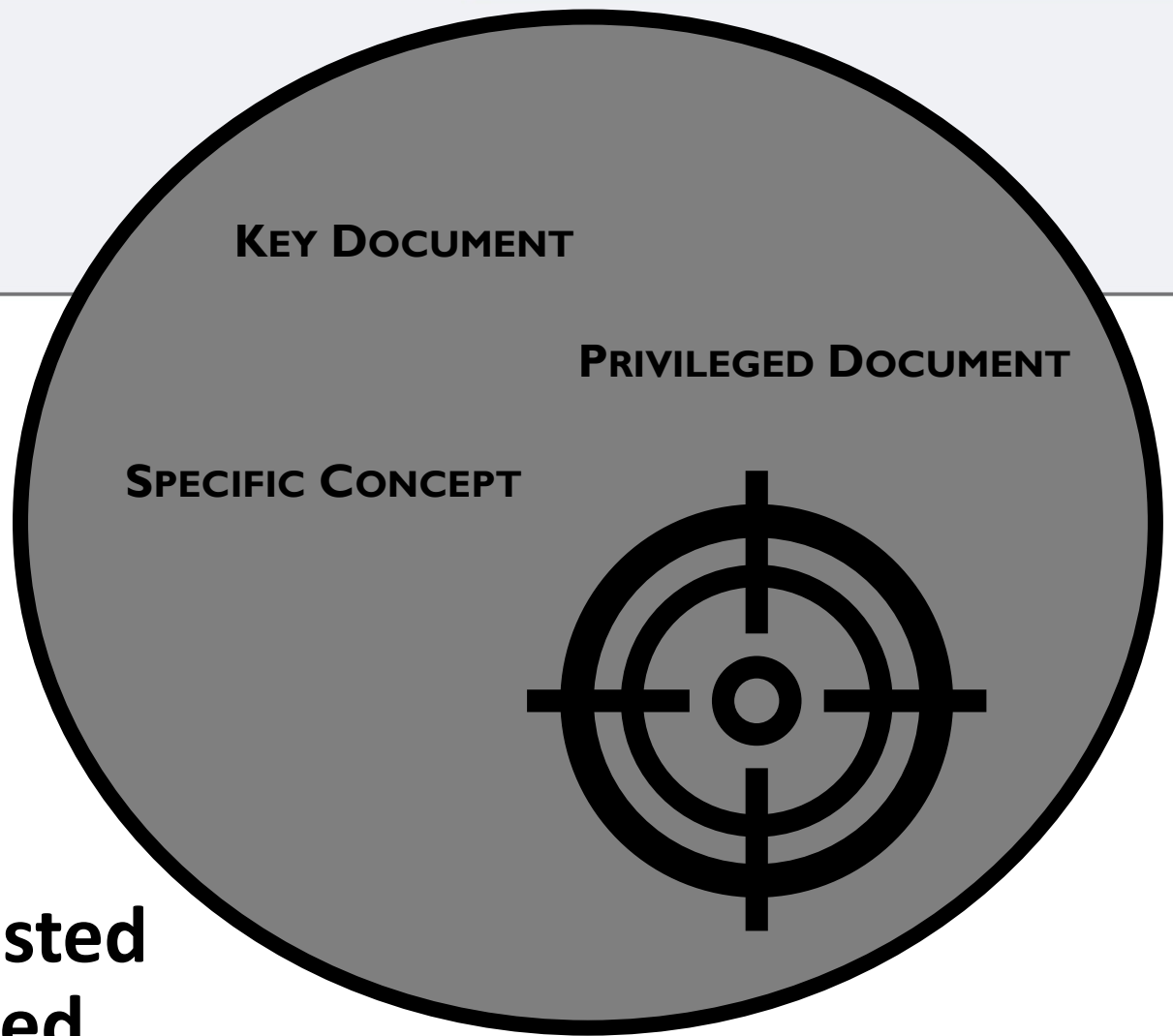
Technology Assisted Review – Targeted Identification

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Technology Assisted Review – Quality Control

R Human Coding ✓

R Computer Coding ✓

NR Human Coding ✗

R Computer Coding ✗

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Initial Impact Assessment

Efficient Review

List Normalization

Privacy – Data Breach Response

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AI Normalization

Pre-recognized review tags & mapping to an automated list of individuals normalized by running AI

ses@hotmail.com **EMAILS** ☐71439 Megan Extension Suite 157 Coxsh

483-06-0468 **SOCIAL SECURITY** MRN: ☐987898767 **MEDICAL RECORD NUMBER**

Entity List

	Action	Name		Suffix		Prescriptions		Insurance Provider		Email		SSN		Phone
☐	☰	♦Aaron	Martinez							noah47@hotmail.com		824-42-8968		
☐	☰ ⅄	Abigail	Santana							albert75@santana.net		800-89-5764		
☐	♣ ⅄ ⬛	Abby	Santana							albert75@santana.net		800-89-5764		

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Privacy – Automatic Anonymization & Pseudonymization

GDPR, Consumer Requests & Disclosures, Litigation Productions, etc.

Anonymization irreversibly destroys any way of identifying the data subject.

Pseudonymization substitutes the identity of the data subject in such a way that additional information is required to re-identify the data subject.

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Privacy – Automatic Anonymization & Pseudonymization

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Privacy – Information Governance
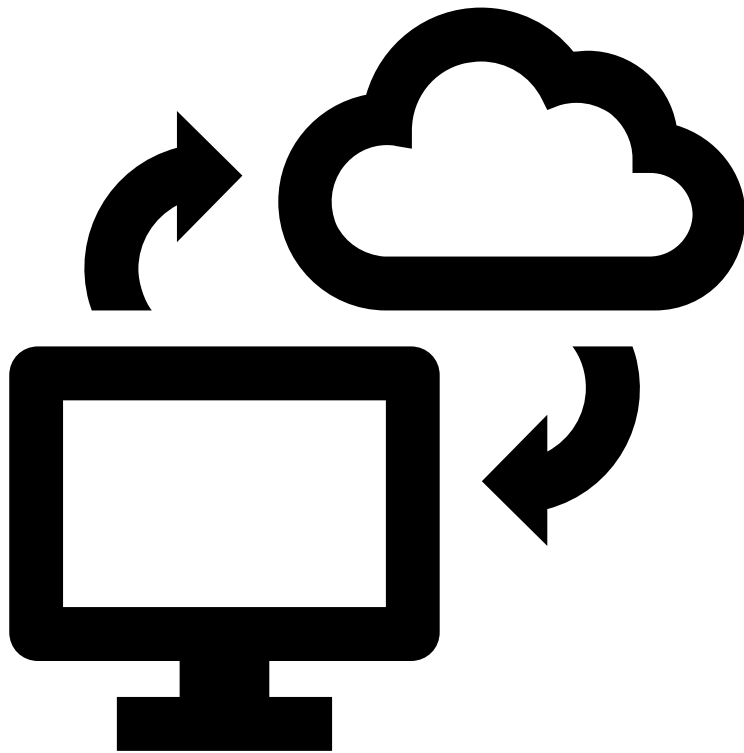
GDPR - data subjects have the right to ask companies for details of the information companies have on them, as well as demand that the data be handled in certain ways or deleted entirely

CCPA - grants California citizens the right to know what confidential information companies collect about them, why and whether and to whom it will be sold or shared.

Questions?

Contact Information

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