ARTIFICIAL INTELLIGENCE – THE REMAAP AI DIFFERENCE

What is AI?
Artificial Intelligence (AI) comes in many forms. At its core, AI is a set of mathematical equations, or algorithms, which attempt to perform tasks for humans based on a range of inputs. Since the inputs from humans are highly variable, the AI has to be trained to “understand” a range of vocabulary, grammar structures, and contexts in order to be effective.

Types of AI
There are a huge number of AI types being developed, the following are a few with which you may be familiar:

- Intelligent Personal Assistant – with voice or other input (Alexa, Google Home, Siri)
- Pattern Matching (biometric recognition – facial, fingerprint, iris)
- Natural Language Processing (identification of key concepts in unstructured documents such as Leases, Contracts, Court Documents).

What makes an AI work well?
We have all had experiences where our interaction with machines has been...shall we say...less than satisfying. Talking to a computer when we call the bank or credit card company can often be an exercise in frustration. But some AIs are starting to meet with consumer acceptance. How are these AIs different?

Alexa and Google Home vs. Apple HomePod (Siri)
Both Alexa and Google Home have met with relatively strong consumer acceptance. Alexa has topped 31 million units sold, and Google Home more than 14 million. Apple Homepod isn’t on track to sell even 5 million units in 2018. Why the difference?

Training Makes the Difference
AI is like a child, the more human interaction it gets, the more learning it does. Things with high complexity, like language, are wired into humans, but not so with AIs. So, to make an AI perform well with language it needs training...a lot of training.

Amazon and Google have deployed huge resources to training Alexa and Google Home algorithms. Amazon has over 2,000 people listening to commands and questions asked of Alexa and classifying the context of what the user is looking for. This data is used to continuously improve the “model” the AI is using to respond to the user.

Apple, on the other hand, has taken an entirely algorithmically driven approach based on their commitment to privacy...which is admirable...but does not produce...
How does AI work?
AI is basically a large set of algorithms that do several things. Some identify vocabulary, some work on sentence structure and punctuation (grammar)... all are computing the probability of a target text’s meaning matching a tagged text in their database.

So, the bigger the database these algorithms have to refer to in order to compute probabilities the better the AI “Model” becomes and the better they perform. But building the database and refining the “Model” with meaningful data requires humans to do two things:

- Reviewing unstructured data and providing referenceable context
- Tuning the algorithm’s probability calculations based on its real-world performance

NTrust’s AI Approach
NTrust’s use of Natural Language Processing (NLP) goes back over 2 years. NTrust’s development of its AI/NLP is specific to real estate leases, amendments and related documents. Other AIs try to do much broader contract language than this, but the training an AI across this range of documents will take years of effort.

What NTrust has learned over the last two years is based on the experience of over 500 lease abstraction specialists abstracting over 5,000 leases per month.

During this two-year period, the NTrust team has evaluated 5 different NLP algorithm platforms with varied levels of success. What we found is that we can improve the performance of an AI faster if we can quickly update the “Model”. The quicker the AI results are enhanced the better the accuracy and quality of data we abstract.

Currently NTrust updates its AI “Model” weekly and maintains multiple “Models” across projects and clients. We have found that this approach improves AI performance for every project the most quickly. Typically we find we can improve the AI identification performance from the low 70% range to over 95% with “Model” updates from 30 to 50 leases.

NTrust’s AI Team
NTrust’s AI team consists not only of 500+ abstract specialists using the tool to abstract 5000+ documents each month, but also includes 50 technologists and SMEs who analyze the tool’s performance against new documents and fine tune the model constantly.

The REmaapTM AI Difference
The REmaap™ AI is the only one on the market developed by a large volume lease abstraction company. With over 800,000 leases abstracted, our team has been key in creating an Abstraction Platform that is easy to use and tuned to perform.

The results for our abstraction teams have been excellent. We have reduced the time to abstract an U.S./U.K. Office lease by 30% while improving the quality of the delivered abstract data.

The Benefits of REmaapTM AI
REmaap’s AI is one part of a comprehensive lease abstraction platform that includes:

- Business Validation Scripts that eliminate errors of commission on dates and rent streams
- Secure Document Management which is encrypted and compliant with new privacy standards
- Configurable Workflows that allow you to create workflows that fit specific processes in your company
- Granular Role Management that allows you to control access of users to data from each screen
- Template Driven Import/Export already developed for over 30 systems and easily developed for even the oldest custom systems
- Configurable Data Screens allow you to mimic the target system

Learn more about REmaap™ AI today. To schedule a demo, contact us:

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Email info@ntrustinfotech.com
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<th>Feature</th>
<th>Remaap AI</th>
<th>Other AIs</th>
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<tr>
<td>Developed by Large Volume Lease Abstraction Company</td>
<td>✔</td>
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<tr>
<td>Trained with over 30,000 leases across Office, Retail, Industrial, Distribution and Specialty Leases</td>
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<td>Trained for Dates, Currency, names, addresses and 33 Legal Clauses</td>
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<td>Displays same clause from Multiple Documents in one place</td>
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<td>Weekly Model Updates / Client Specific Models</td>
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<td>Accuracy of 95%+ on U.S./U.K. Office Leases</td>
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