

LinguaSys: For A Multilingual World

Text Analytics with Context-Aware Semantic Language Technologies in Multiple Languages

LinguaSys solves human language challenges in big data and social media for blue chip clients around the world. Its natural language processing software provides real-time multilingual text analysis, semantic analytics and fast, cost-effective natural language user interfaces (NLUI). The solutions are powered by LinguaSys' Carabao Linguistic Virtual Machine™, a proprietary semantic based technology, to deliver faster and more accurate results.

Text2Knowledge is our unique analytics solution integrating algorithms and our own proprietary semantic network to analyze content in any supported language. LinguaSys' architecture and linguistic engine provides higher accuracy and produces superior comprehension, resulting in more human reflected sentiment grading, and the availability of much more complex extraction capabilities than the competition.

Big Data looms large in any company. A constant stream of content via voice, email, SMS, and web sites present a wealth of information gathered to understand, analyze, and assimilate. LinguaSys Text Analytics Solutions highlight themes, concepts, domain of discourse, emerging issues, full quotes, and insights buried in document collections. By automatically reading text the data can be visualized in advanced analytics tools for presentation. The solutions make it possible to grasp contextual relevance more precisely and with less risk. It includes advanced linguistic capabilities within the core Carabao Linguistic Virtual Machine™ (CLVM) so you can easily extend insights into structured analysis.

Data collected from these multiple sources can be optimized with word and concept-level semantic knowledge, presented in XML format, resulting in understanding-in-context, which in turn provides increased effectiveness in marketing, brand management, and customer service contact centers.

LinguaSys' founders bring a combined 35 years of natural language software expertise to enterprise computing, providing exceptional solutions to organizations aspiring to meet the next big technological challenge to working in a connected world.



Knowledge is power, but understanding and extracting knowledge from massive quantities of human text has often left enterprises feeling powerless. Until now.

The value of harnessing human-text Big Data is immense. Social media analysis drives sales. Natural-language-user interfaces increase responsiveness and decrease cost. Transparent internal communication improves collaboration, efficiency and compliance.

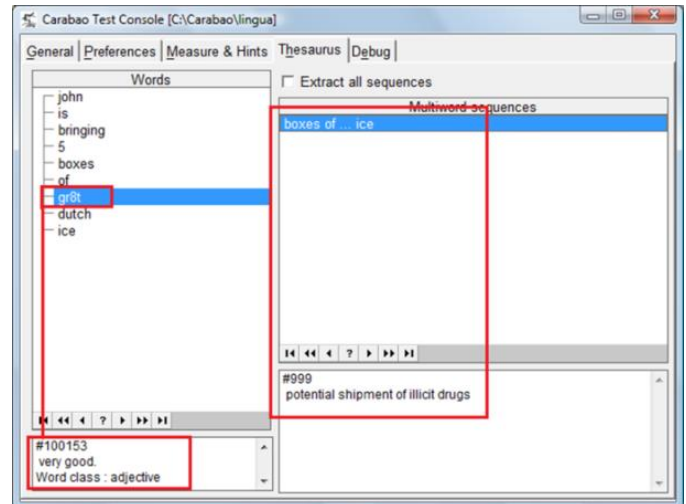
While the benefits are clear, so are the challenges. Chief among them: Growth in the velocity, variety and volume of human text, including non-English data generated as customers and partners go global.

LinguaSys middleware was created to surmount these challenges. Our Carabao Linguistic Virtual Machine© brings grammar-aware, semantic understanding to critical requirements, including multi-lingual text analytics, natural-language-user (NLU) interfaces and highly-customized machine translation (MT). Because this unique technology is based on mapping concepts rather than matching words, CLVM© can analyze and "understand" text in its native language, increasing usability, currency and ease of customization.

- Proven
- Easy Integration
- Highly Customizable
- Highly Secure
- Cost Effective

❖ Facilitate the Context of *What* is being discussed

❖ Increase quality of tokenization from statistical word tagging to full semantic in-context disambiguation tags presented in XML



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</domainsOfInterest><rawDomains><domain>urban area</domain> </rawDomains>
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factor="-0.8" match="We loved" /><disapprovalFactor reason="negativeDomain" factor="0.5" match="we
hated" /><disapprovalFactor reason="negativeDomain" factor="0.5" match=":-(" /><text>We loved the
hotel at Walt Disney World, but we hated the food in Lake Buena Vista :-(-
#VacationFromHell</text></tweet>
```

Text2Knowledge extracts important information and yields sentiment intensity

Specifications

- Easy integration with other applications via SOAP web services, HTTP, TCP/IP, RESTful service interfaces
- Interface as a COM object also available
- Runs on Windows 2008+ server for enterprise, 2Gb RAM, 3 GHz CPU or faster
- For Desktop use, Pentium III, 700MHz or faster, 256Mb RAM
- Go to www.linguasys.com for an updated list of supported languages

Applications in Production:

- ✓ Multilingual entity extraction
- ✓ Morphological Analysis
- ✓ Social media monitoring
- ✓ Conversion of unstructured content to XML
- ✓ Semantic tagging of newspaper stories

More to come:

- Improving ASR / OCR accuracy
- Grammar checkers

Same kernel, same language models!