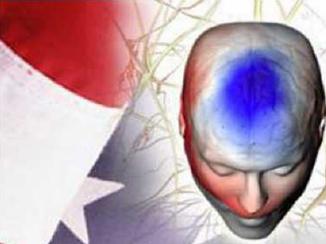


CS&T Text Related Product Descriptions

Travis Bauer
505-284-8723



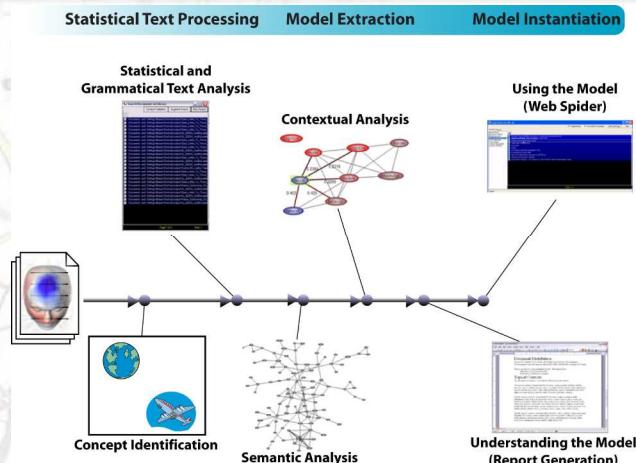


CS&T Related Products

- STANLEY
- Sandia Analyst Aide
- Views Backend/Threatview Prototype
- Sounding Board
- ESC Investigator
- Data Warehouse Server/Client
- Ontology Helper



STANLEY Library



The STANLEY library uses different techniques to create models.

What are example applications?

- Any application where one wants to integrate Sandia's cognition text analysis capability into some new application.
- Finding new relevant documents
- Understanding how a person or source has changed across time.

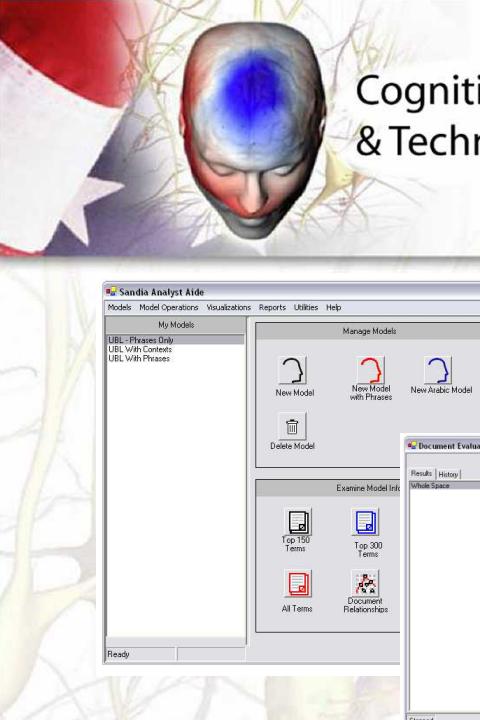
What is it?

Text analysis library designed for building and utilizing models of individuals from text that they produce or access

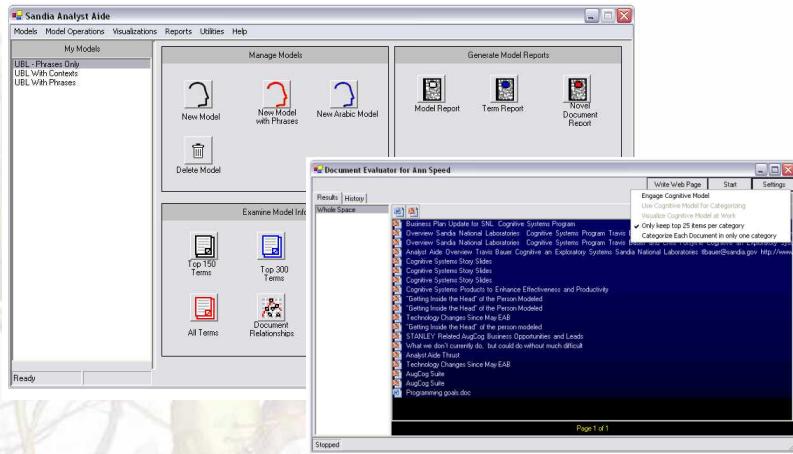
What are the main features?

- Reusable library that programmers can implement into new applications.
- Flexible implementation of text analysis algorithms
- Identification of key concepts, relationships, and contexts from text documents.
- Web spider for evaluating new information based on a previous analysis.
- Generation of reports in MS Word describing key characteristics of an individual based on the text analysis.





Sandia Analyst Aide



The Analyst Aide exposes most of STANLEY's functionality

What are example applications?

- Understanding the “big picture” of what the key concepts and relationships are for a person.
- Look at how a particular term or group of terms has become more or less important across time.
- Find documents that a person is likely to find of value.
- Query a model of an individual for related terms and documents.

What is it?

Application for building models of individuals from text they produce as well as understanding and utilizing those models.

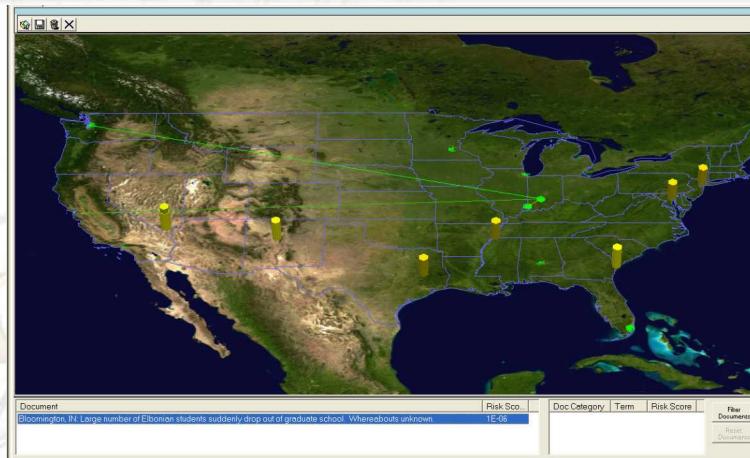
What are the main features?

- Convenient interface to most of the features in the STANLEY library.
- Manage multiple models at one time
- Track how a person changes across time.
- Use a model to find new information on the web or evaluate new documents.
- Create graphical visualizations of the relationships among models.





Views Backend/ Threatview Prototype



Documents can be plotted geographically

What are example applications?

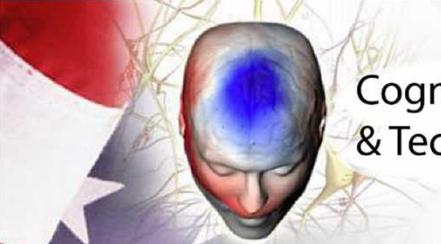
- Letting a third party application provide data or query STANLEY across a network.
- Letting a user see how geographical locations that may be related based on available documents.

What is it?

Server version of STANLEY with the capability of displaying documents geographically

What are the main features?

- Server interface lets other applications add in new documents and query for information through a network interface using XML
- Identify the geographical locations mentioned in a document.
- Plot documents on a map based on the geographical locations listed in them.
- Shows links among documents graphically on the map.



Sounding Board

Sounding Board

About Advanced Interface

Matching Models	Key Terms	Matching Paragraphs
Aristotle Descartes	nature power declaration delegating sovereignty dissolve tyranny stopped spontaneous signers separately precisely degenerated	"file:Orations.txt" the omnipotence of the God of battles. Union! Union! was the instinctive and simultaneous cry throughout the land. Their Congress, assembled at Philadelphia, once--twice--had petitioned the king; had remonstrated to Parliament; had addressed the people of Britain, for the rights of Englishmen-- in vain. Fleets and armies, the blood of Lexington, and the fires of
Babbage John Quin...		"file:C:\Documents\...\Demos\STANLEY\Orations.txt" *The Project G Quincy Adams: Adams This E Etext of the m Anniversary of (Categories not

User can query multiple expert models at one time.

What are example applications?

- Helping the user determine what human expert most likely understands a particular situation.
- Helping a user to find new related concepts they may not have previously known about.
- Helping the user to find texts showing how an expert uses particular terms.

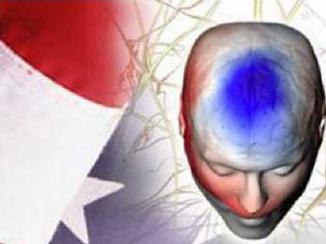
What is it?

An application that lets you query and explore multiple models at one time.

What are the main features?

- Free text query allows the user to describe a situation.
- Multiple models read query and display themselves if they think it is in their area of expertise.
- User can find related terms for a particular model as well as texts used to create the model.





ESC Investigator

ESC Investigator - Travis Bauer

Model Tools

Terms	Key Terms	Matching Paragraphs
<input type="checkbox"/> points	<input type="checkbox"/> address	file:ExperimentswithAlternateCurrentsofHighPotentialandHighFrequency.txt
<input type="checkbox"/> ponderoso	<input type="checkbox"/> address: secret	heavily coated with some insulating
<input type="checkbox"/> population	<input type="checkbox"/> 0973	compound, and provided with a conducting
<input type="checkbox"/> portion	<input type="checkbox"/> 613	covering--this preferably extending under the
<input type="checkbox"/> portions	<input type="checkbox"/> godsey	surface of the oil. The conducting cover
<input type="checkbox"/> position	<input type="checkbox"/> preceding	should not be too near the terminals, or
<input type="checkbox"/> positions	<input type="checkbox"/> preced	ends, of the wire, as a spark would be apt to
<input checked="" type="checkbox"/> possessing	<input type="checkbox"/> radiom	jump from the wire to it. The conducting
<input type="checkbox"/> possibility	<input type="checkbox"/> invente	coating is used to diminish the air losses, in
<input type="checkbox"/> possibly		virtue of its action as an electrostatic
<input type="checkbox"/> posted		

ESC Investigator provides flexible exploration of document sets

What are example applications?

- Helping a user to find new related concepts they may not have previously known about.
- Helping the user to find texts showing how an expert uses particular terms.

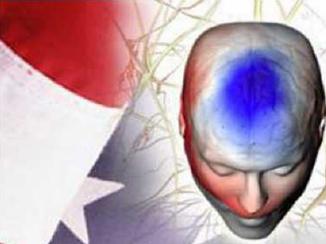
What is it?

An application for exploring a particular set of documents

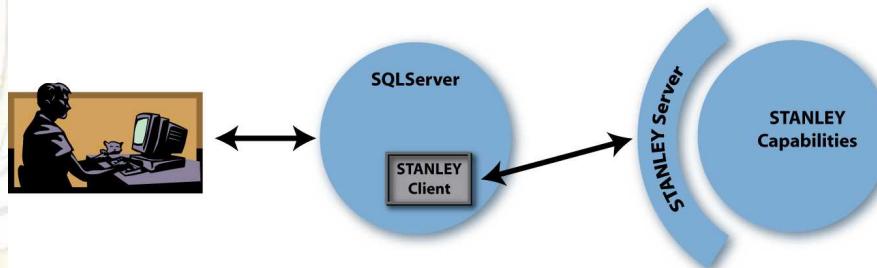
What are the main features?

- Free text query allows the user to describe a situation.
- Check box listing all terms so the user can select terms of interest.
- User can find related terms for a particular model as well as texts used to create the model.





Data Warehouse Server and Client



The user accesses STANLEY analysis through an SQL server

What are example applications?

- When a user wants to create a model of an individual, but the individual's documents are located in a database.
- When you want to deploy the software to an organization, but don't want to install the software on every individual's desktop.

What is it?

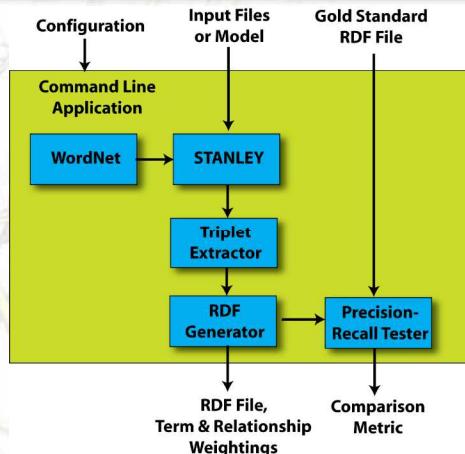
An interface to STANLEY that lets its features be accessible directly from a SQL server database

What are the main features?

- Complete integration with SQL server – STANLEY features become available as SQL functions.
- Flexible server architecture lets the analysis be done on any machine, not just the server.
- Querying for documents and key terms.
- Querying for changes across time.



Ontology Helper



A multi-stage process is used to create seed ontologies

What are example applications?

- When the user wants to create an ontology from a large corpus and doesn't know where to begin. This application can create a "seed" ontology which the user can subsequently edit.

What is it?

A command line application that finds key terms and relationships for an ontology from a corpus of text.

What are the main features?

- Extraction of triplets (subject/verb/object) from text.
- Identification of key terms and phrases.
- Export to RDF format for compatibility with other ontology tools.

