# Visualization, Search, and Error Analysis for Coreference Annotations

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## **Entity Grid View**

🍪 < > 🔤	··· ·		Presenter Entity-Grid 👻 (bn/cnn/01/cnn_0140); part 000 [predicted/-]									
· •	🍪 <> 💀 🔹 Storm\$ - %Type% 🚽 🖓 🔍 🖷 Sirst 😵 🖉 🖷 💿 🔊 🖓											
at	bomb	the ship 's hull	the `` USS Cole "	A temporary patch	the carrier							
1 [at	bomb - Common,its - Pronoun]	[its hull - Common]	[the `` USS Cole " - Common]									
2			[The damaged ship - Common]									
3			[the ship - Common]									
4		[the ship 's hull - Common]	[the ship 's - Common]	[A temporary patch - Common]	[the 40 - Common]							
5			[the ship - Common,it - Pronoun]	[It - Pronoun]	[the carrier - Common]							
6												

2008.

onal Linguistics, 34(1):1–34,	[2]	Markus Gärtner, Gregor Thiele, Wolfgang Seeker, Anders Björkelund, and Jona Tool for Dependency Treebanks. In <i>Proc. of ACL: System Demonstrations</i> , page



the 40

the carrier

5-13-14

4-10-11



- Node and edge text customizable via *Label Patterns*
- Export for several formats (svg, png, xml, ...)



Example search query for cataphoric pronouns and corresponding result overview



- Interfaces with the built-in search engine of ICARUS [2]
- Enables searches on sets of documents
- Express queries graphically or in plain text
- Inspect search results with any of the 3 available exploration views

### SUMMARY

- Multiple exploration views for coreference annotations
- Interactive graphical interface integrated in ICARUS [2]
- Fine-grained comparison of different data sets
- Supports various levels of user expertise
- Highly customizable visualization
- Java-based, platform independent, requires no installation

The latest version can be found here: http://www.ims.uni-stuttgart.de/data/icarus.html

nas Kuhn. ICARUS – An Extensible Graphical Search iges 55–60, Sofia, Bulgaria, August 2013. ACL.

a Norwegian transport ship

2-9-12

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## Tree View

🍩 🛛 2 groups - 25 matches 🛛 🖑 🖾 🚵							
%   ↑ <mark>a</mark> - <u>az</u> - ₹≩ ↓领							
	Name	Common					
I	3	2					
you	1	2					
it		2					
me	3	2					
You		1					
he		1					







