ICARUS Quickstart Guide (Version 1.05)

Download ICARUS www.ims.uni-stuttgart.de/data/icarus.html
1) Start ICARUS via commandline (Java 1.7 required):
   
   ```
   java -Xms1g -Xmx2g -jar icarus.jar
   ```
   
   adjust the heap space parameters (Xms, Xmx) to your needs

2) Select Perspective

![Select Perspective]

Parse a sentence using the integrated mate-tools pipeline

See section 4) for more information

Select existing Treebank (CoNLL or TCF)

Parse a sentence using CLARIN-D webservice

3) Manage Treebanks using the Treebank-Manager

3.1) Create new Treebank

3.2) Use modification buttons to delete, rename or edit selected treebank.

3.3) Specify Treebank name, location, reader (using the Dropdown menu) and properties

```
Treebank Explorer
```

Name: New Treebank
Location:
Reader: CoNLL 09 Reader (gold)
Properties: Add Property Value

3.4) Use to load the treebank. Afterwards it can be inspected pressing . The unload button will unload the treebank.

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1 Models need to be downloaded separately (http://code.google.com/p/mate-tools/)
2 The user needs to specify URLs for CLARIN webservice
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4) Build Query using the

4.1) create a new search using the search-toolbar
   Type: Dependency-Search
   Data-Set: ICARUS example treebank
   Query: 2 nodes, 1 edge, 1 root
   Parameters:

   Use Buttons to configure search

4.2) Query Editor:
   • add nodes using the graph-toolbar
   • insert edges using the graph-toolbar or by dragging the center of a node onto another
   • paste nodes previously copied from another graph
   • open edit dialog for a node or edge using the graph-toolbar or by double-clicking
   • convert between textual and graph representation using the synchronize buttons
   • edit textual query representation in the field below

4.3) Parameters:
   • Search-Mode: Non-Exhaustive (stop after first hit), Exhaustive (add each sentence to the result at most one) and Exhaustive search with Grouping
   • Direction: Left-To-Right or Right-To-Left
   • Case-Sensitive: On/Off
   • Result Limit: limit the search result

4.4) Execute Search using the search-toolbar
4.5) View Result by double-clicking or using the inspect-button

5) Result View

- Aggregated result visualization depending on the number of grouping operators (dimensions) for up to three groups (3D)
- Result highlighting for instances of query constraints
- Fully customizable graph visualization
- Easy navigation through results for up to three groups (3D)