Collaborative Dependency Annotation



http://arborator.ilpga.fr



simple configuration files fully Unicode capable:

dej 大家 相信 他 的 建议 能够 实现。

Rhaps	odie Annotatic	n Project	Projec	t Overvlew		م			_
	You	have beer	n assigned the follo Please select t	owing texts of the he text to annotat	Rhapsodie Project 8:				
	text name		number of sentences	number of tokens	trees modified by you	status			
	validation of Rhap-D2013-Synt.xml		47	636	0	todo			
	Rhap-M0001-Synt.xml		14	138	0	todo			
	Rhap-M0002-Synt.xml		12	190	0	todo			
	a total ot		73	964	0				
	number of	The Rhap	osodie Project has			ot	101		
text name	sentences	tokens	" ai	notators	validator	tre	es	_	_
D0001.absolutely.cool.xml	122	1170	nobody yet		nobody yet		asign <u>o</u>	19	4
							asign	_	-

- attribute any text to a user's annotation or validation tasks, export the data in multiple formats and configurations add whole texts to the project, plain texts or pre-parsed data in CoNLL or Rhapsodie-XML format. Check the consistency of the annotation by obtaining tables of frequency distribution of features and 2-node connected sub-graphs of the dependency graph
- graph. Obtain an overview of each annotator's progress. Export the annotations

ons	export complete files per assignment as									
-	export all trees by any annotator as									
	CoNLL file XML file									
-	export most recent trees by any annotator									
	CoNLL file XML file									
-										





sul (

Jusqu' ici tout va bien adv pro verbe adv

prép

prép

Jusqu'

The editor page

- Drag and drop words to create dependency
- Choose or correct categories
- Change other features Mark annotation progress on sentences and
 - If allowed by the administrator: See numerical evaluation Compare to other annotations





The results

- annotations are kept when 80% of the words were annotated only students who at least annotated 5 sentences 42 student annotators
- Results range from 64% to 90% of correct government relations (F-score), and 79% average
 - How many sentences do we have to take into account in the evaluation if we want to keep similarly precise evaluation scores of the student, needed for the rover?
- the student evaluation varies very little if we base it on the first half of the corpus only (less than 1% in average), the quality of the annotation is better (80%) on the first half,



F-score in number of annotations per sentence

carried out with a class on corpus linguistics 60 3rd year linguistics majors in a French university

The experiment

- about 75% French mother tongue
- Only 3 main classes and 3 tutorial session in smaller groups
- all those students had
 - other classes on syntax, one class on dependency syntax with similar notational conventions as in the annotation guide
 - online annotation guide containing many concrete examples
- two sets of sentences:
 the mini gold-standard annotated by the researcher
 the non-annotated sentences, considered as unlimited Annotation task distribution: automatic, based on:
- - t, total number of tokens per student to annotate
 - g, number of sentences from the pre-annotated mini gold-standard to mix into the student's task
 - n, number of annotations per sentence (taken from the
 - non-annotated sentences)
 - p, percentage of sentences that can be equal from one task set to the other
- each student: 48 sentences, mostly from French Wikipedia average length: 24.7 tokens per sentence (= real world)