





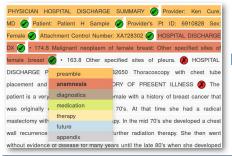
Continuous Annotation Quality Control, Support for Hierarchically Structured Label Sets and Long-Segment Annotation with WAT-SL 2.0

Christina Lohr,¹ Johannes Kiesel,² Stephanie Luther, ¹ Johannes Hellrich,¹ Benno Stein,² Udo Hahn¹

¹ Jena University Language & Information Engineering Lab (JULIE Lab), Friedrich-Schiller-Universität Jena, Germany ² Faculty of Media, Bauhaus-Universität Weimar, Germany

Web Annotation Tool for Segment Labeling - Basic Design

- Annotation of long text segments
- Web-based front-end with Java back-end





Four easy setup steps

- 1. Selection of TxT files
- 2. Definition of annotation categories
- 3. Configuration of annotator accounts
- 4. Tuning colors of annotated categories

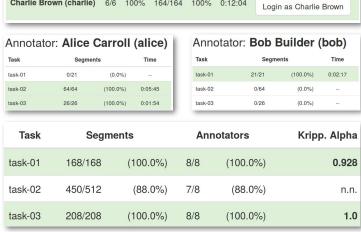
	Task	Progress	Last update
	task-01	21/21 segments	2019-07-16 15:49
	task-02	0/64 segments	-
;	task-03	7/26 segments	2019-07-22 14:50

Novel Features in WAT-SL 2.0

Annotation Monitoring & Quality Control

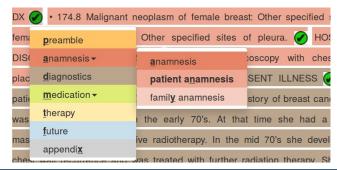
- Overview of task and segment completion
- Admin can login as any annotator
- Monitoring time spent on each task
- Computing IAA values (Krippendorff's α)

Annotator	Tasks		Segments		Time	Login (new window)	
Alice Carroll (alice)	2/6	33%	90/164	55%	0:07:39	Login as Alice Carroll	
Bob Builder (bob)	1/6	17%	21/164	13%	0:02:17	Login as Bob Builder	
Charlie Brown (charlie)	6/6	100%	164/164	100%	0:12:04	Login as Charlie Brown	



Annotation Usability

- · Hierachically structured labels
- Keyboard shortcuts



Clinical Annotation Project

discussion

agreement

computation

- 1K German clinical documents
- 170K Text segments
- 8 Medical students
- 2 Annotation supervisors
- 4 Annoatation iterations
- 6-21 Labels per round
- → Based on feedback from annotators WAT-SL 2.0 was implemented

lter.	Doc.	Lab.	min / Doc.	Vers.
1	240	6	7:45	1.0
2	400	7	7:47	1.0
3	392	21	9:17	1.0
4	400	19	4:46	2.0
Final	1406	18	3:16	2.0

→ Read more: Lohr et al.:

CDA-Compliant Section Annotation of German-Language Discharge Summaries: Guideline

Development, Annotation

Campaign, Section Classification.

In: AMIA Annual Symposium

Proceedings 2018

guide

(re)definition

annotation

work

tool

configuration

staff

instruction

Export formats

- CSV files
- ANN files (BRAT-compatible)
- → Download WAT-SL 2.0 with example annotation data https://github.com/webis-de/wat









