Nanyang Technological University Update

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and many, many more

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DELPH-IN 2020-07-13



Overview

- Wordnets: Multi, Jpn, English, Chinese, Bahasa, Myanmar, Kristang
 - Collaborative Interlingual Index
- Grammars:
 - Chinese (Zhong []: Mandarin and Cantonese)
 - Japanese (JACY) bug fixes, minor enhancements
 - Singlish (based on the ERG)
- Tools:
 - OMW version 2.0, Graph checks, better documentation selected for Google Season of Docs
 - LTDB (pydelphin parsing of TDL, per grammar DBs)
- Intelligent Tutoring and Feedback on Errors
- English Essay writing help started treebanking student essays with the mal-grammar continuing to collect new data



Open Multilingual Wordnet

- Collaborative InterLingual Index (CILI)
 - Final testing almost finished
 - Better documentation
 - Still not released
- More languages and words
 - Sesotho, Tswana, Venda, Xhosa, Zulu, Gaelic, Abui, Moroccan Arabic, Turkish, Czech, *Cantonese, Open German*, ... (40+ curated languages)
 - GeoNames, English Open Wordnet, Tokyo University of Foreign Studies Basic Vocab
 - 20,000+ new English synsets
- More links
 - Interlanguage sense level links (Harmony Project)
 - Semantic relations (dot-products, roles)
 - Better sentiment and emotive links



NTU multilingual corpus

- Small, deeply analysed corpus
 - 6,000+ sentences x 3 languages (cmn, eng, jpn); 2,000 in Indonesian
 - Mainichi Newspaper (NICT translations)
 - ★ Sherlock Holmes (DANC, SPEC; REDH, SCAN, HOUN [eng]) used in ACL workshop on Dialogue
 - Cathedral and the Bazaar (many languages)
 - ★ Spider's thread 「蜘蛛の糸」
 - Singapore Tourist data (plus Korean, Viet, Indo)
 - Hand alignment, WordNet tagging, Treebanking, Sentiment, ...
- Revised the DB structure; second round of wordnet quality control
 - Much behind schedule
 - Wordnet extension is being done in parallel
- Tagged Italian, Polish (SPEC)



- *Digital Humanities Cluster* at the College of Humanities and Social Sciences
- Hosted PNC 2019 (regional DH conference at NTU in October)
- Pandemic Special
 - 4 students treebanking
 - 4 students sense tagging
 - 2 programming
 - 1 data entry and checking



Members

Staff:

Michael Wayne Goodman (DH postdoc)

- Students:
 - Luis Technology Enhanced Language Learning
 - Siew Yeng An HPSG for Singlish
 - ► Tommaso Cross-lingual WSD
- Graduated
 - Hannah Choi 2020 (MA: LMS, NTU) Indonesian Morphological Alternations -kan and -i

