HQSYN16 - Task #3941

Task # 3672 (Assigned): RA1d - Automatic cleaning of speech corpora

Task # 3704 (New): Detection and correction of prosodic structures

Task # 4155 (Closed): Prosodic word parsing

Create synthesis logs for corpora with altered prosodic words

09.06.2016 12:56 - Hanzlíček Zdeněk

Status:	Closed	**Start date:**	15.08.2016
Priority:	Normal	**Due date:**	
Assignee:	Hanzlíček Zdeněk	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:	RA1: Analysis of artifacts in synthetic speech		

Description
Can you create synthesis logs for corpora with altered prosodic words? All ASFs are placed in artic/Experiments/pros_words (2 speakers x 3 versions). Since we need only sentences suitable for a listening test, is it possible to limit the length of sentences to maximum 20 words? It could also significantly shorten the synthesis process. But if the limitation is complicated, it is not necessary.

Subtasks:	
Task # 4006: Experiments on prosodic words: Synthesis of selected sentences	**Closed**

History

#1 - 13.06.2016 10:53 - Tihelka Dan

- Due date set to 19.06.2016

- Status changed from New to Feedback

- Assignee changed from Tihelka Dan to Hanzlíček Zdeněk

I will need a python script assigning new *PWord* tags to a sequence of phones (or preferably ASF units). Then I can put it into the scripting framework. Reduction of sentences to 20 words should not be a big problem.

#2 - 16.06.2016 16:30 - Hanzlíček Zdeněk

- File asflight.py added

- File pros_words.py added

- Assignee changed from Hanzlíček Zdeněk to Tihelka Dan

File **pros_words.py** contains function **set_pwords(unit_list, ver=1)** where

- **unit_list** is a list of units == dicts with the same keys as in ASF files (**phone**, **pwordBoundPos**, **pphrsBoundPos**, **prosodeme** and **word** should be set; **pwordBoundPos** and **prosodeme** are updated)
- **ver** is the version of prosodic words
  - 1 .. joins monosyllabic prepositions, conjuctions a, i and enclitic pronouns se, si
  - 2 .. joins also monosyllabic relative pronouns

File **asflight.py** is just for testing --> pros_words.py can be used directly for the processing of ASF files.

#3 - 01.07.2016 13:08 - Tihelka Dan

- Status changed from Feedback to Resolved

- Assignee changed from Tihelka Dan to Hanzlíček Zdeněk

- % Done changed from 0 to 90

After a week of troubles, I have finally managed to get the experiment working.
Resulting logs are stored to Experiments/pros_words/out_${spkr}_${ver} directories, where ver = 0 is for the baseline system and ver = 1,2 are for the individual versions as described in #3941#note-2.

Please, check the logs, if the position in *prosodic words* (namely *begWeight*, *midWeight* and *endWeight* attributes) and *prosodemes* are assigned correctly to units!

#4 - 25.07.2016 13:47 - Matoušek Jindřich

- Parent task set to #3704

#5 - 29.09.2016 08:29 - Tihelka Dan

- Status changed from Resolved to Assigned

After fix of the *prosodeme type* handling in TC computation, there are new logs in Experiments/pros_words/out_${spkr}_${ver} directories (same as before).

#6 - 26.01.2017 10:34 - Matoušek Jindřich

- Parent task changed from #3704 to #4155

#7 - 26.01.2017 10:37 - Matoušek Jindřich

- Status changed from Assigned to Closed

Files

asflight.py	4.25 KB	16.06.2016	Hanzlíček Zdeněk
pros_words.py	3.89 KB	16.06.2016	Hanzlíček Zdeněk