HQSYN16 - Task #4416

Task # 3682 (New): RA4c - Hybrid approaches

Corpus resynthesis

06.02.2018 15:50 - Tihelka Dan

Status:	Closed	**Start date:**	06.02.2018
Priority:	Normal	**Due date:**	23.02.2018
Assignee:	Tihelka Dan	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			

Description

Zdeněk, could you, please, resynthesize spkr_AJ and spkr_KI speech corpora with an HMM synthesizer? I require the sequence of HMM-estimated speech parameters (F0, energy, spectrum, ...) for the sentences in these corpora and their relation to the corresponding phones.

Also, I would need the same sequence of parameters for few (about 100) shorter phrases which did not appeared in either of the corpora.

History

#1 - 06.02.2018 15:50 - Tihelka Dan

- Description updated

#2 - 06.02.2018 15:51 - Tihelka Dan

- Due date set to 12.02.2018

#3 - 09.02.2018 10:21 - Hanzlíček Zdeněk

- Status changed from New to Assigned

- Assignee changed from Hanzlíček Zdeněk to Tihelka Dan

Data is stored in /artic/Experiments/DT_param_trajectories/

Directory for each speaker contains 2 subdirectories:

- /corpus/ contains data files for the original corpus
- /corpus_LukAr/ contains sentences selected from the corpus of laryngo-speaker LukAr

There are 4 files for each utterance:

- *.lab contains first and last frame indices for particular phones/units
- *.1, *.2 and *.3 contain cepstral parameters (dim 40) logF0 and band aperidocity parameters (dim 21), respectively. All parameters are stored in floats. I think that aperiodicity parameters may be probably not very useful for your task.

#4 - 23.02.2018 13:28 - Tihelka Dan

- Assignee changed from Tihelka Dan to Hanzlíček Zdeněk

There are some of the sentences missing (e.g. spkr_AJ/corpus/oznam00761_00.lab, spkr_AJ/corpus/oznam01019_00.lab, ...). It is not a big problem (I will simply ignore them), byt why are they missing?

#5 - 23.02.2018 14:25 - Hanzlíček Zdeněk

- Assignee changed from Hanzlíček Zdeněk to Tihelka Dan

Some sentences were excluded during preprocessing:

- sentences with undefined prosodeme X.X
- sentences with special non-speech events, like CLICK, LIPSMACK, etc.

#6 - 26.02.2018 14:02 - Tihelka Dan

- Status changed from Assigned to Resolved

#7 - 26.02.2018 14:02 - Tihelka Dan

- Status changed from Resolved to Closed

#8 - 14.03.2018 08:38 - Tihelka Dan

- Due date changed from 12.02.2018 to 23.02.2018

- Status changed from Closed to Assigned

- Assignee changed from Tihelka Dan to Hanzlíček Zdeněk

Could I ask for one more voice? Let say **spkr_MR**?

#9 - 14.03.2018 22:07 - Hanzlíček Zdeněk

- Assignee changed from Hanzlíček Zdeněk to Tihelka Dan

I created parameter trajectories for JS and MR.
Besides, I generated new files for AJ and KI since I found a bug in my algorithm.

#10 - 15.03.2018 16:02 - Tihelka Dan

- Status changed from Assigned to Resolved

#11 - 15.03.2018 16:02 - Tihelka Dan

- Status changed from Resolved to Closed

#12 - 11.04.2018 13:14 - Tihelka Dan

- Parent task set to #3682