

topic_vowels_101208.txt

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# topic_vowels_formant
# version 2008: 12: 10
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# Praat version: 5.0.06

form Take topic for vowels
  word sound_extension .wav
  word textGrid_extension .textGrid
  word file_extension .csv
  comment Open existing vowel results file and save as .csv
  comment Enter name of vowel results file
  text results inayaformant_FACE
  natural vowel_tier 1
  comment enter number of tier which contains topic of talk
  natural topic_tier 8
endform

clearinfo

filename$ = results$ + file_extension$
fileappend "'filename$'" 'word', 'vowel', 'Topic','F1', 'F2', 'F3',
'F4'newline$'

mySounds = Create Strings as file list... sounds *'sound_extension$'
nSounds = Get number of strings

for isound to nSounds
  select mySounds
  sound$ = Get string... isound

  name$ = sound$ - sound_extension$
  textGrid$ = name$ + textGrid_extension$

  mySound = Read from file... 'sound$'
  myTextGrid = Read from file... 'textGrid$'

  select myTextGrid
  topic$ = Get label of interval... topic_tier 1

  n = Get number of intervals... vowel_tier

  vowel1 = Get label of interval... vowel_tier 2
  time0 = Get starting point... vowel_tier 2
  timee = Get end point... vowel_tier 2

  select mySound
  To Formant (burg)... 0 4 5500 0.025 50

  f1= Get mean... 1 time0 timee Hertz
  f2= Get mean... 2 time0 timee Hertz
  f3= Get mean... 3 time0 timee Hertz
  f4= Get mean... 4 time0 timee Hertz

  printline f1: 'f1:0'; f2: 'f2:0', f3: 'f3:0'; f4: 'f4:0'
  fileappend "'filename$'" 'name$', vowel1, 'topic$', 'f1:0', 'f2:0',
'f3:0', 'f4:0'newline$'

  select myTextGrid
  n = Get number of intervals... vowel_tier
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if n = 5
vowel2 = Get label of interval... vowel_tier 4
time0 = Get starting point... vowel_tier 4
timee = Get end point... vowel_tier 4

select mySound
To Formant (burg)... 0 4 5500 0.025 50

f1= Get mean... 1 time0 timee Hertz
f2= Get mean... 2 time0 timee Hertz
f3= Get mean... 3 time0 timee Hertz
f4= Get mean... 4 time0 timee Hertz

println f1: 'f1:0'; f2: 'f2:0', f3: 'f3:0'; f4: 'f4:0'
fileappend "'filename$'" 'name$', vowel2, 'topic$', 'f1:0', 'f2:0',
'f3:0', 'f4:0'newline$'
endif
endfor

```