

# Speed-dating with Praat ... exploring some of its basic functions!

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*PO = window "Praat Objects"*

*PE = window "Praat Edit"*

*PP = window "Praat Picture"*

## 4 – Analyzing sound objects: $f_0$

4.1	PO	Open
4.2	PO	Read from file... (Select on the hard disk a file with continuous speech) OK or Click on a sound object in the list containing continuous speech
4.3	PO	Rename...
4.4	Rename object	Type 'cs' in the text line OK (The name 'cs' is arbitrarily chosen to indicate continuous speech)
4.5	PO	Analyze periodicity-
4.6	PO	To Pitch...
4.7	Sound: To Pitch	Time step (s): 0.0 (=auto) Pitch floor (Hz): 60 Pitch ceiling (Hz): 400 OK (A new Pitch-object appears in the list of objects of the PO-window)
4.8	PO	Query -
4.9	PO	Get quantile...
4.10	Pitch: Get quantile	Time range (s): 0.0 - 0.0 (= all) Quantile: 0.50 (= median) Unit: Hertz OK
4.11	Praat Info	x Hz (This is the median $F_0$ )
4.12	PO	Query -
4.13	PO	Get mean...
4.14	Pitch: Get mean	Time range (s): 0.0 - 0.0 (=all)

		Unit: Hertz OK
4.15	Praat Info	x Hz (This is the average $F_0$ )
<i>Is there a difference between <math>f_0</math>-median and <math>f_0</math>-mean?</i>		
4.16	PO	Query -
4.17	PO	Get minimum...
4.18	Pitch: Get minimum	Time range (s): 0.0 - 0.0 (= all) Unit: Hertz Interpolation: None OK
4.19	Praat Info	x Hz (This is the lowest $F_0$ )
4.20	PO	Query -
4.21	PO	Get maximum...
4.22	Pitch: Get maximum	Time range (s): 0.0 - 0.0 (= all) Unit: Hertz Interpolation: None OK
4.23	Praat Info	x Hz (This is the highest $F_0$ )

*How large is the difference between  $f_0$ -minimum and  $f_0$ -maximum (i.e., what is the  $f_0$ -range)?*