

# 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"*

## **7 – Create and inspect a narrowband and a broadband spectrogram**

7.1	PO	Select 'Sound sv' (click on it)
7.2	PO	Analyze spectrum - To Spectrogram...
7.3	Sound: To Spectrogram	Window length (s): 0.03 Maximum frequency (Hz): 4000 Time step (s): 0.002 Frequency step (Hz): 10 Window shape: Gaussian OK (A new Spectrogram-object appears in the list of objects of the PO-window)
7.4	PO	Rename
7.5	Rename object	Type 'sv-NB' in the text line OK (The name of this object is now changed into 'Spectrogram sv-NB')
7.6	PO	Select 'Sound sv' (click on it)
7.7	PO	Analyze spectrum - To Spectrogram...
7.8	Sound: To Spectrogram	Window length (s): 0.005 Maximum frequency (Hz): 4000 Time step (s): 0.002 Frequency step (Hz): 10 Window shape: Gaussian OK (Another Spectrogram-object appears in the list of objects of the PO-window)
7.9	PO	Rename
7.10	Rename object	Type 'sv-BB' in the text line

		OK (The name of this object is now changed into 'Spectrogram sv-BB')
7.11	PO	Select 'Spectrogram sv-NB' (click on it)
7.12	PO	View (A narrowband spectrogram now appears in a new window entitled 'Spectrogram sv-NB')
7.13	PO	Select 'Spectrogram sv-BB' (click on it)
7.14	PO	View (A broadband spectrogram now appears in a new window entitled 'Spectrogram sv-BB')

*What is the difference between these two spectrograms?*