

Atelier EMA

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Part II: Python & Praat

Philipp Buech

Laboratoire de Phonétique et Phonologie - UMR 7018, CNRS/Sorbonne Nouvelle

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0 - Prerequisites

Software requirements

PRAAT



Software requirements

PRAAT



PYTHON



Software requirements

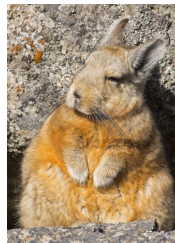
PRAAT



PYTHON



EMA2WAV



Python

- ▶ universal high-order programming language
- ▶ good readability
- ▶ free
- ▶ runs on:



- ▶ can be obtained [here](#)

Python - Anaconda (recommendation)



- ▶ **Anaconda distribution** for Windows, MacOS and Linux
- ▶ Python-centered, but supports also R
- ▶ easy handling of environments
- ▶ powerful package manager
- ▶ latest stable packages

ema2wav

- ▶ converts EMA data into multichannel WAV-files (& CSVs)
- ▶ Python-based, only free & open-source dependencies
- ▶ supports AG500/501 (Carstens Medizinelektronik GmbH)
- ▶ multiple options for derivations & calculations
- ▶ GUI, command line or python module
- ▶ work-in-progress
- ▶ .dmg (MacOS) & script (← always latest version)
- ▶ can be obtained [here](#)

1 - ema2wav & Praat

Program start

ema2wav can be started either

- ▶ using the **GUI**
 - ▶ via binary (.dmg)
 - ▶ via console
- ▶ using command-line (see documentation)
- ▶ by importing as a python module (custom script/notebook/**Google colab notebook**; see documentation)

User input