

Course overview

Stages of an fMRI study

1. Idea/research question
2. Experimental implementation
3. Data acquisition
4. Data analysis
5. Paper writing

Implementation



Free software for creating **psycholinguistics** experiments.

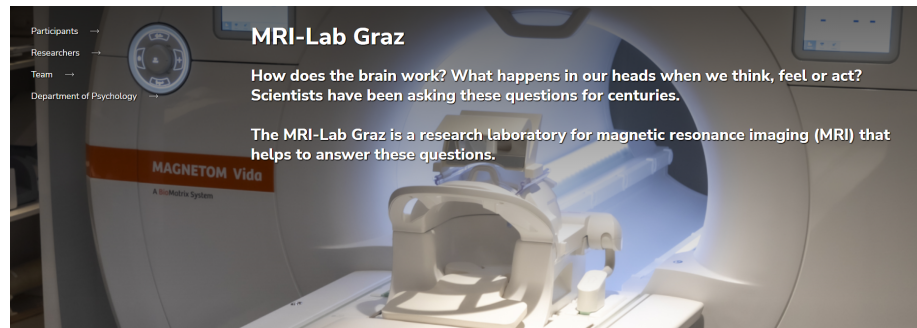
Easy **Precise** **Flexible** **Online**
enough for teaching enough for psychophysics enough for everything else or lab-based, your choice

Get started

How is Psychopy® Free?

<https://www.psychopy.org/>

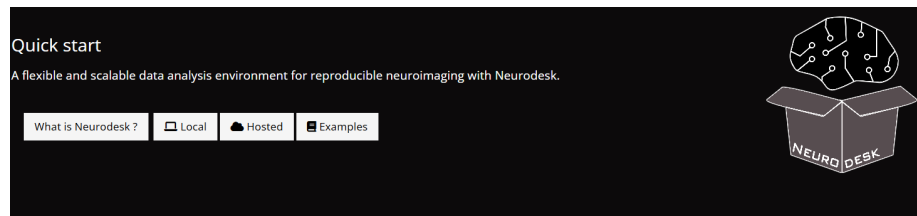
Data acquisition



<https://mri-lab.uni-graz.at/en/>

Kopernikusgasse 24 (Graz University of Technology - “Neue Technik”)

Data analysis



Get started with Neurodesk

Select your setups and follow further instructions in the provided link.

Compute Platform	Local PC	HPC	Cloud	Google Colab
Your OS	Linux	Mac	Windows	
Interface	Desktop	Command Line	Container	VSCode
Processor	x86	ARM	GPU	
Instructions:	Follow the instruction at https://www.neurodesk.org/docs/getting-started/neurodesktop/windows/			

<https://www.neurodesk.org/>

Neurodesk access on Visual Neuroscience Server



Universitätsplatz 2, Top floor

<https://psychologie.uni-graz.at/en/>

The screenshot displays the ITK-SNAP software interface. On the left, a file explorer shows the project directory structure. The central image window displays four panels of a brain MRI scan: a sagittal view (top-left), a coronal view (top-right), an axial view (bottom-left), and a fourth view (bottom-right) showing a cross-section of the brain. The right-hand panel contains various toolbars and a console window. The console shows a warning message about a missing file, which has been resolved.