The experimental tasks are implemented primarily with OpenSesame or as Python scripts. The README file for each task provides task-specific instructions on how to run it. This file provides general instructions for running the tasks.

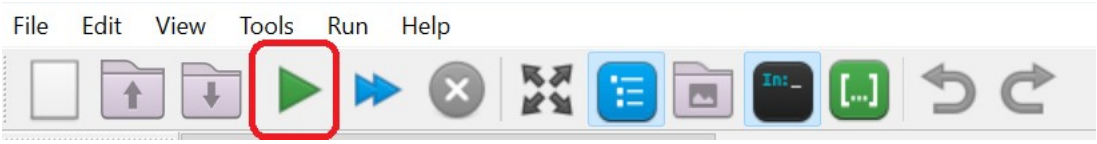
OpenSesame

Install OpenSesame from here: https://osdoc.cogsci.nl/

OpenSesame is a program for creating psycholinguistic experiments with a user-friendly graphical interface. It provides high-quality tutorials and documentation. It is strongly recommended that you read the following two tutorials:

- Beginner tutorial
- Intermediate tutorial (using OpenSesame together with Python)

OpenSesame files have the .osexp extension. To run an OpenSesame file, open it in OpenSesame and click the “Run” button.



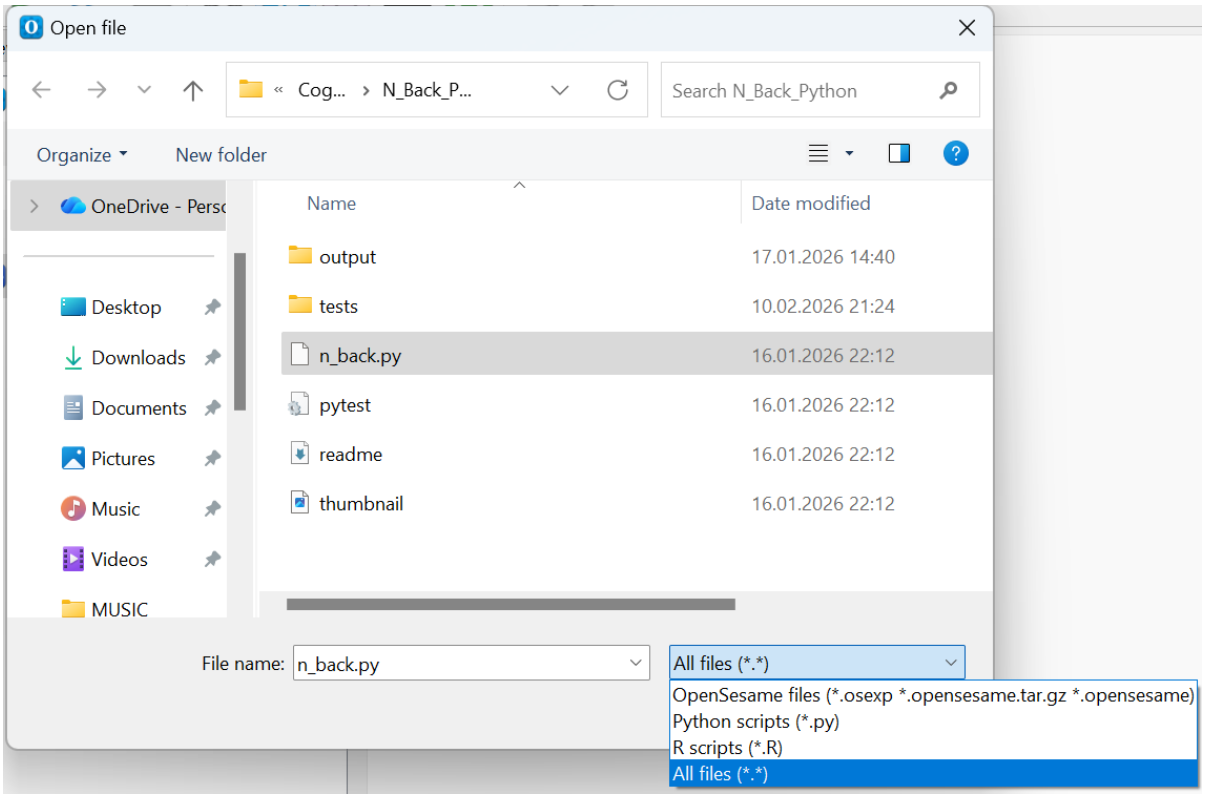
Python

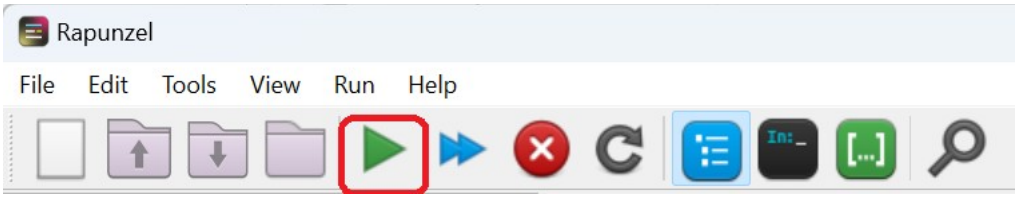
The Python implementations of the tasks use the PsychoPy library. The Python scripts have the .py extension. They can be run from the command line, or from within OpenSesame or PsychoPy.

Running Python scripts in OpenSesame

Install OpenSesame from here: https://osdoc.cogsci.nl/

To run a Python script in OpenSesame, bring up the “Open file” dialog in OpenSesame and change the file type from “OpenSesame files” to “All files.” You can then select and open the Python script. Alternatively, you can drag and drop the Python script into the OpenSesame window. Both methods will open the file in the code editor that comes with OpenSesame. After opening the file, click the “Run” button to start the experiment.



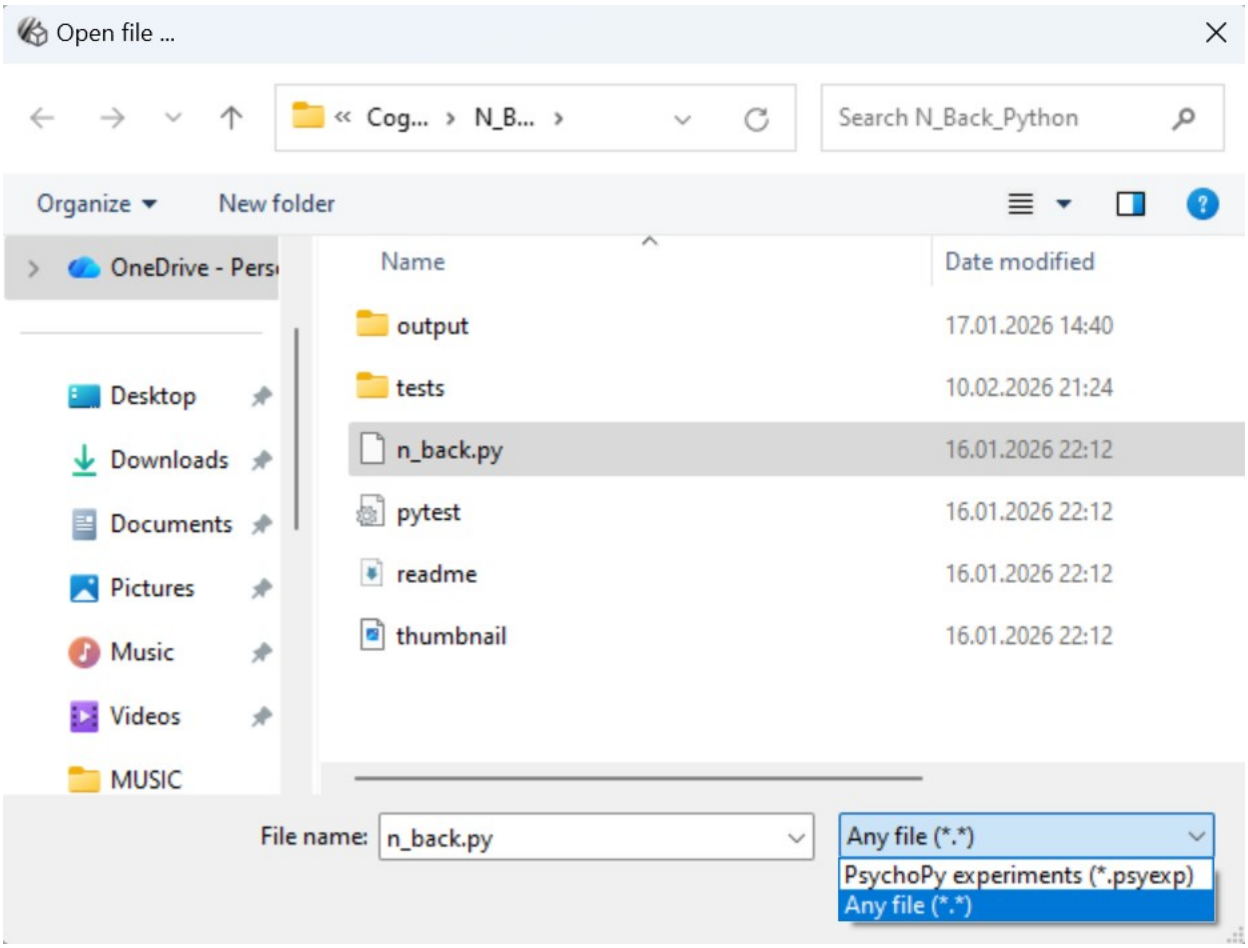


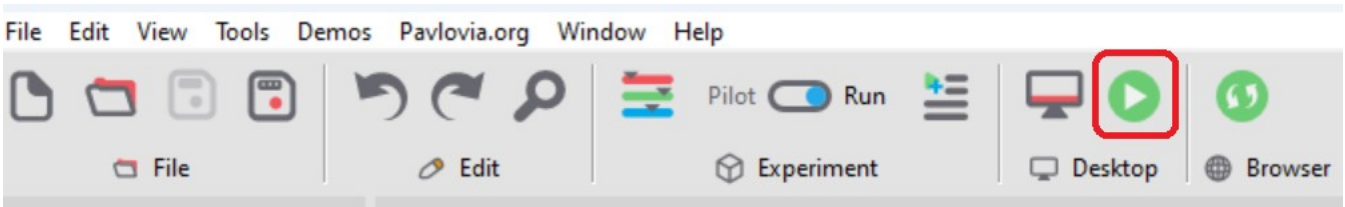
OpenSesame is cross-platform and supports Windows, Linux, and macOS. However, some features may not work on all platforms. If a script does not run, try one of the other methods described below.

Running Python scripts in PsychoPy

Install PsychoPy from here: https://www.psychopy.org/download.html

Running a Python script in PsychoPy is similar to running one in OpenSesame. First, change the file type from “PsychoPy experiments” to “Any file” in the “Open file” dialog, then select and open the Python script. Alternatively, you can drag and drop the script into the PsychoPy window. Both methods will open the file in the code editor that comes with PsychoPy. After opening the file, click the “Run” button to start the experiment.





Running Python scripts from the command line

Install Python from here: https://www.python.org/downloads/

According to the PsychoPy documentation, it supports Python versions 3.8 to 3.10. Newer versions, such as Python 3.12, may not yet have all required dependencies available.

To run the Python scripts from the command line, PsychoPy must be installed as a Python package rather than as the standalone PsychoPy application. This can be done by typing pip install psychopy in the terminal. Once PsychoPy is installed, the scripts can be run by typing python <script_name>.py in the terminal.

Depending on your system configuration, the commands for running pip or Python may vary, such as pip3, python3, or py3.8. If you encounter issues when running the scripts, make sure that the correct versions of Python and PsychoPy are installed and that you are using the right command.

Other software

For tasks implemented with other software, such as MATLAB, please see the README file for each task.

Notes

Most of the tasks display a small popup window at the start for entering basic information, such as the participant ID. Because the window is small, it may be easy to miss. If you run a script and nothing seems to happen, check carefully to see whether a small window has appeared.

Be sure to read the README file for each task to learn about its specifics. They may require different keys to proceed or quit. If you don't know the right key, you may not be able to end the task and could get stuck in the experiment. 😉