

Spongebob

Installation guide for Windows

Install Miniconda

To run Spongebob, you need Python 3.

Go to <https://conda.io/miniconda.html>

and download the installer for Miniconda for Python.

Or follow this link: https://repo.continuum.io/miniconda/Miniconda3-latest-Windows-x86_64.exe

Install Miniconda with all the recommended defaults. That is:

- Install for just me (recommended)
- Install in C:/Users/username/Miniconda
- Don't add Miniconda to your system path (i.e. don't tick the mark that says to do that).

Now you have an application called anaconda prompt. You can run it from the start menu.

Download Spongebob

~~Clone this repository~~

```
git clone https://github.com/manjebrinkhuis/spongebob.git
```

~~Or download from [here](#).~~

Extract the zip attached to this email "spongebob.zip"

Create environment

In the anaconda prompt, type:

```
# Create environment
conda create -y -n py27 python=2
# Activate environment
activate py27
```

Then install dependencies into environment. In the prompt, type:

```
(py27) C:\> pip install -r /path/to/spongebob/requirements.txt
```

Run SPM

From anaconda prompt go to the `orig` directory in the `spongebob` directory. Type:

```
(py27) C:\> cd path\to\spongebob\orig
(py27) C:\> python SpongePatternMaker.py
```

Run motortest

To run motor 6 and 11 in alternation, for a 100 times, from the spongebob directory, run:

```
(py27) C:\> cd path\to\spongebob
(py27) C:\> python motortest.py
```

Run experiments

To run the experiments psychopy is required. See <http://www.psychopy.org> for more information.