university of groningen / faculty of behavioural and social sciences

SR Research EyeLink

Online experiments

Leuphana workshop Day 2

https://osdoc.cogsci.nl/leuphana2021

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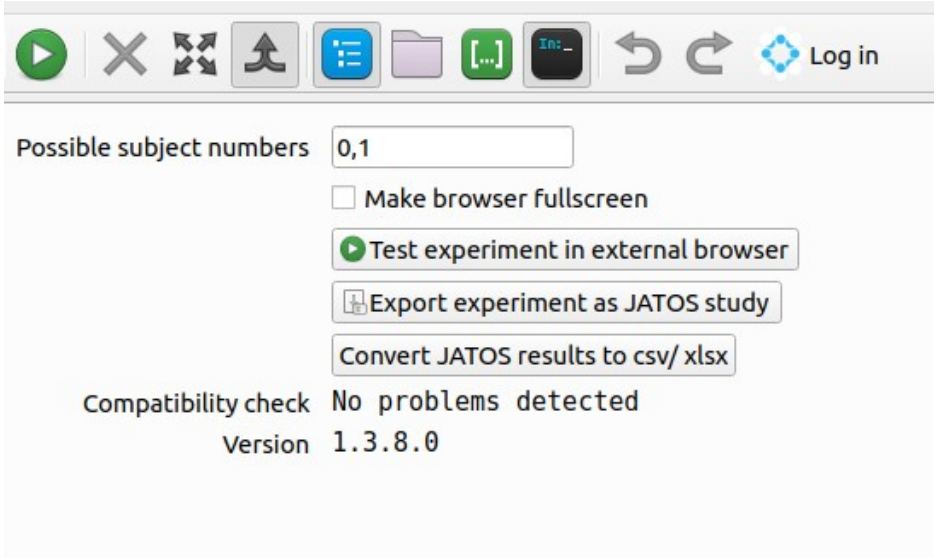
Today (day 2)

- Before the break
  - A general introduction to online experiments
  - Working on a time-reproduction task
- After the break
  - Managing your online experiment on MindProbe.eu (a JATOS server)
  - Continue working on your own experiment

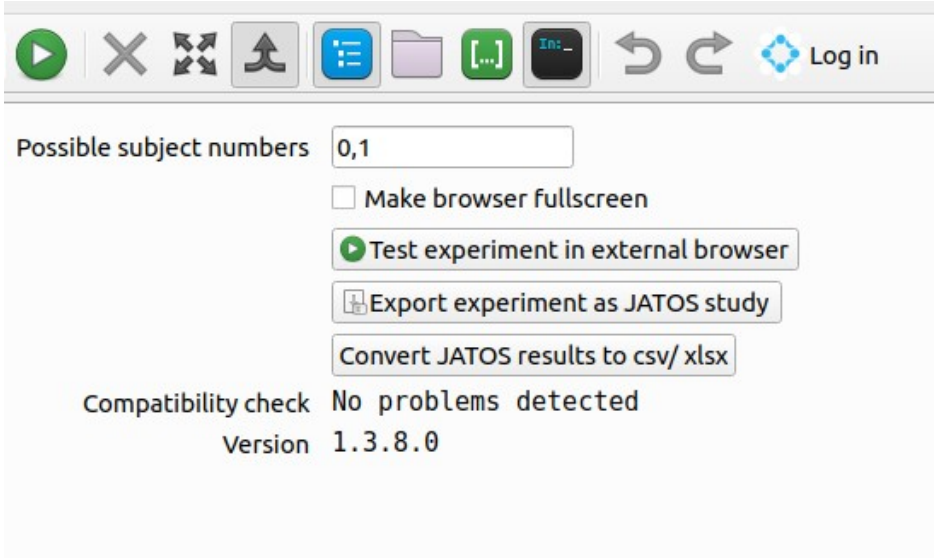
OSWeb

- A JavaScript implementation of the OpenSesame runtime
- You can directly run your experiment in a browser
  - For testing purposes only!



OSWeb

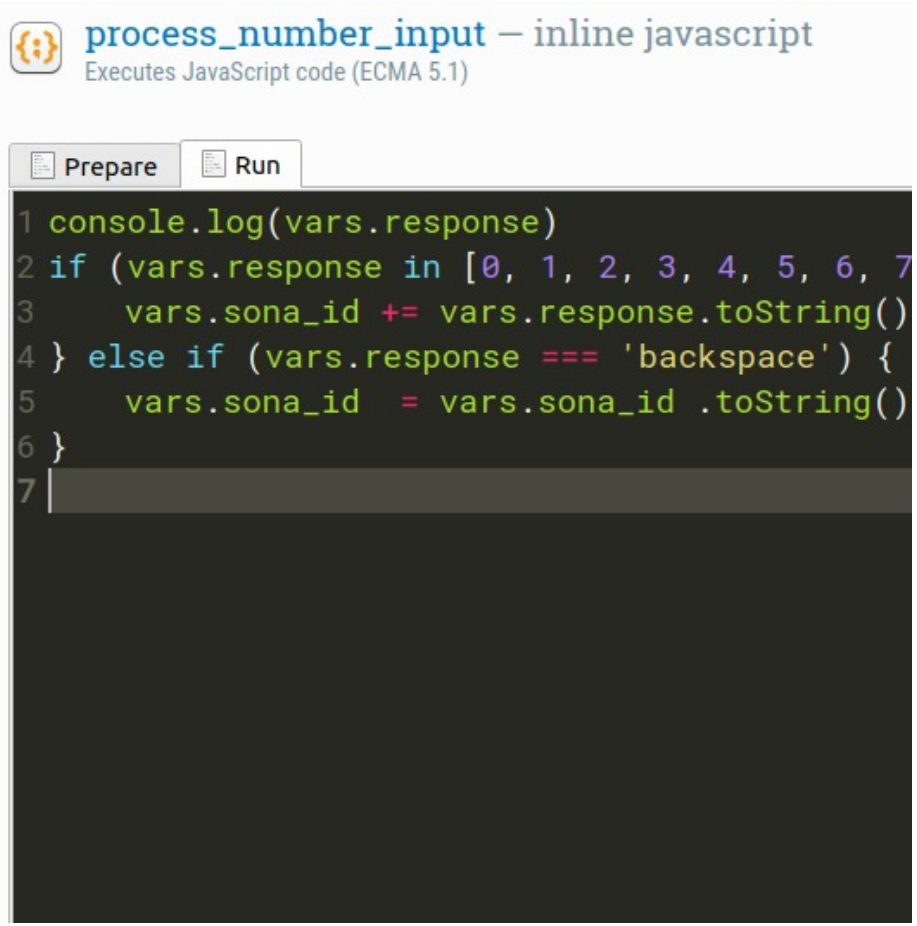
- Supports a subset of functionality
- Built-in compatibility check
  - Useful but incomplete!
- A list of supported functionality on the documentation site [1]



[1] https://osdoc.cogsci.nl/3.3/manual/osweb/osweb/

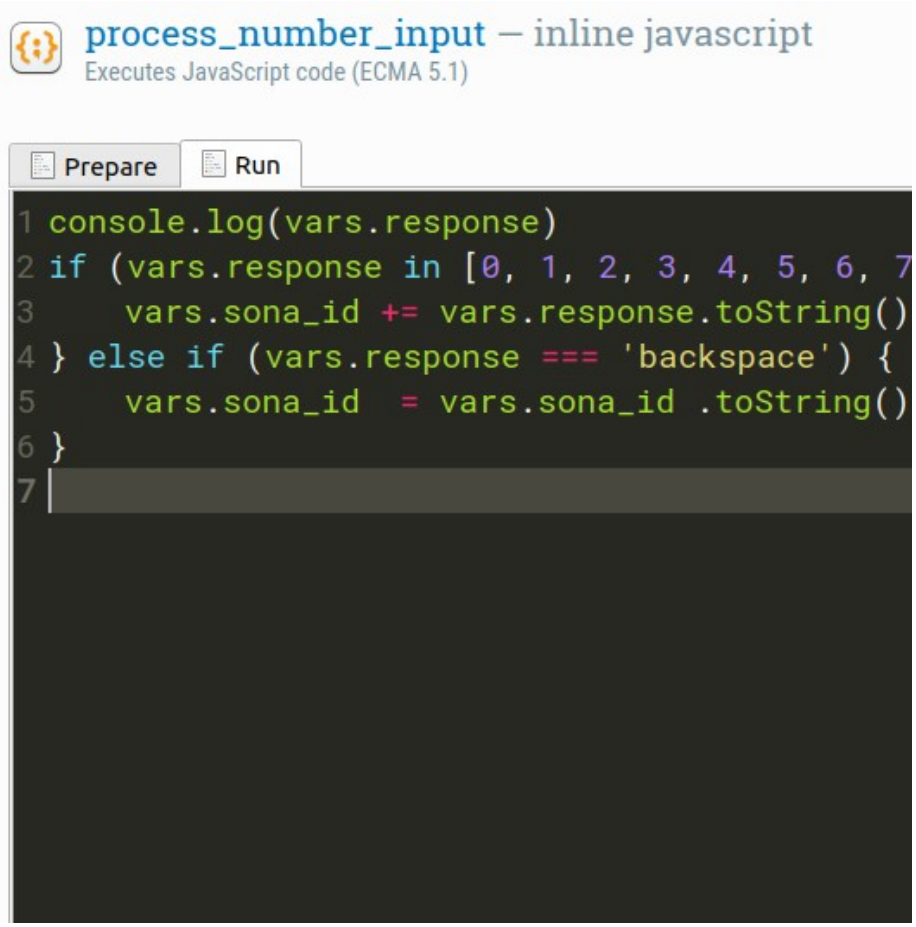
JavaScript

- JavaScript is the language of the web
- Inline JavaScript is supported
- But more limited than inline Python script



JavaScript

- The **vars** object provides access to experimental variables
- The **Canvas** object provides a stimulus displays
- The workspace is not shared between scripts
  - You have to attach objects to the **persistent** object
- Extensively documented! [1]

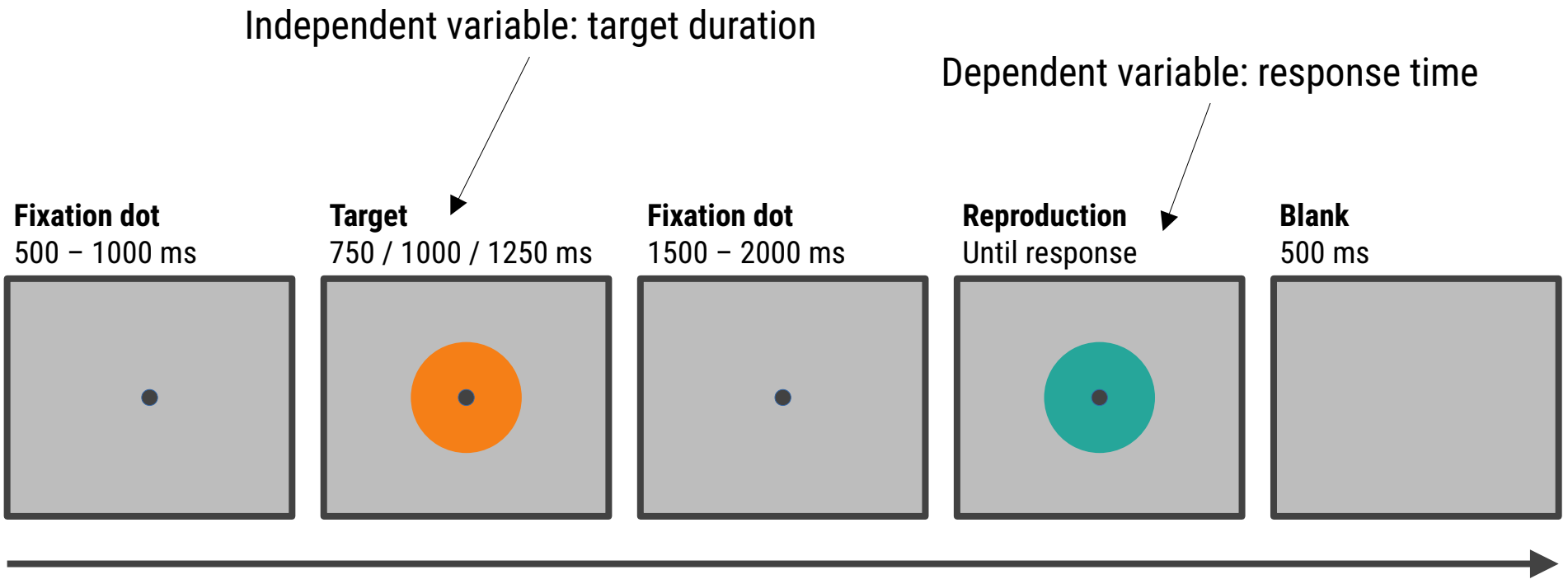


[1] https://osdoc.cogsci.nl/3.3/manual/javascript/about/

Hands-on workshop

- We'll implement an interval-reproduction task
- I'll suggest some pointers
- But of course the details are up to you!

Hands-on workshop



Hands-on workshop

- Start from the Advanced Template
- Specify durations in the *block_loop*
- Inside the *trial_sequence*
  - **sketchpad** → displays
  - **keyboard_response** → the response
  - **advanced_delay** → random durations
  - **logger** → don’t forget!

Let’s get to work!

Slides: https://osdoc.cogsci.nl/leuphana2021