

Programming Skills

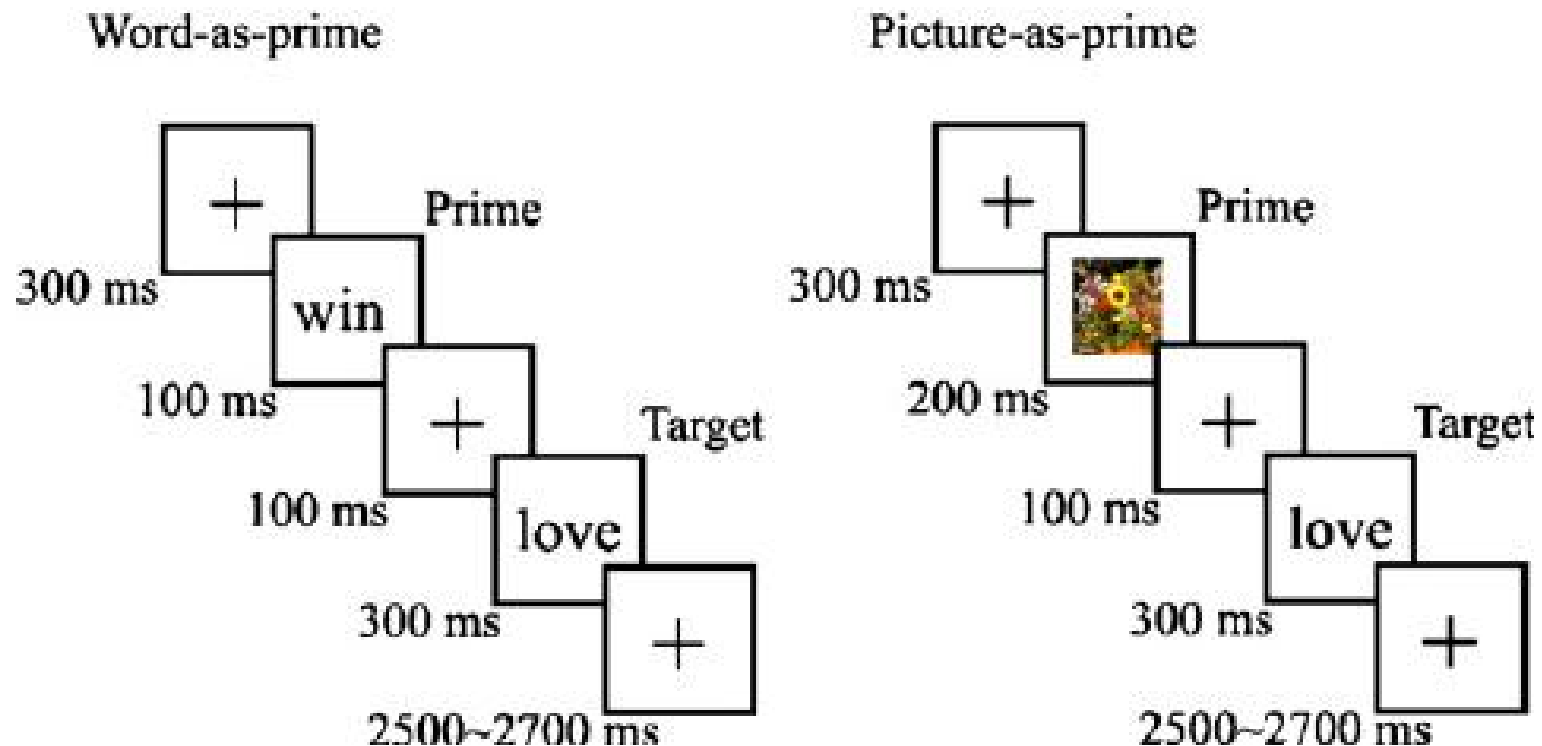
final lecture

Take home exam

Q & A

Take Home Exam

- Program an Affective Priming Task



Take Home Exam

Program an Affective priming task

- The task should display a prime (word or picture) followed by a target (positive or negative word)
- Read the stimuli (names) from a file
- Two counterbalanced blocks: One with pictures as primes, one with words as primes.
- Record the latency, response, and correctness
- Save the data in a way that is appropriate and complete
- Record subject number, age, and gender of the participant

Scoring

- Functionality
- Style
- Reusability
- Documentation

Scoring

- Functionality:
 - Stimuli are read from two excel files.
 - Ordering is correct, stimuli in random order, order of blocks is counter-balanced, all primes are presented with an equal number of positive and negative targets.
 - Visual presentation of stimuli on the screen using psychopy objects.
 - Time accurate response latencies are recorded.
 - Data saves correctly (including all relevant data)
 - Demographic questions (age and gender) are done right.

Elegance

- Optimal code
- don't repeat yourself
- use of functions
- use general and straightforward solutions

Readability

- code is readable and well commented, not too little, not too much
- meaningful variable names
- other people will understand the code

Participant experience

- Participants have a good experience
- easy time understanding what to do based on instructions
- reminders for response keys during the task
- everything looks nice.

Submitting

- Make sure your name and student number are in the file name of your .py file and your .xlsx file so I can easily find it.
- Compress all necessary files into a zip file (using, for instance, WinZip), including any libraries that you needed to put in the folder in order to run the experiment. Make sure your name and student number are in the file name of your zip file as well.
- Submit the zip file on Blackboard before **June 23rd, 23:59**.

Q & A