Before we start…

Please make sure you have **downloaded PsychPy**!

https://www.psychopy.org/download.html

Introduction to PsychoPy

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What is PsychoPy?

- Experiment builder with options for online and in-lab testing

- Easily create experiments using either a GUI or written code!

- Python based

- Can often create experiments without writing any code at all
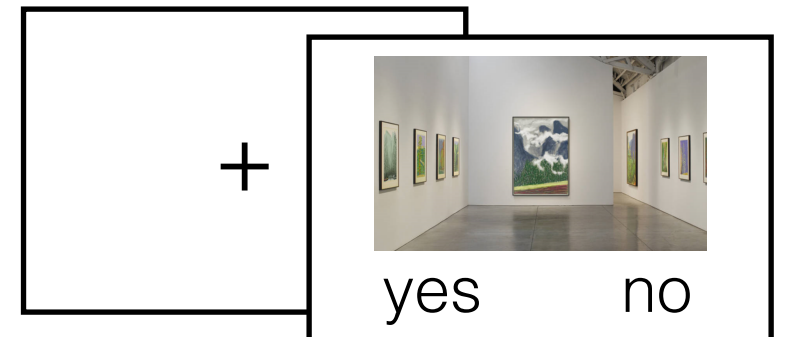
Why use PsychoPy?

- Specifically built for behavioural science experiments

- Very precise timing (important for reaction times, psychophysics, eyetracking, fMRI etc.)

- Easy integration with Pavlovia

- Supports many different stimulus types (text, images, videos)

- FREE! Promotes open science
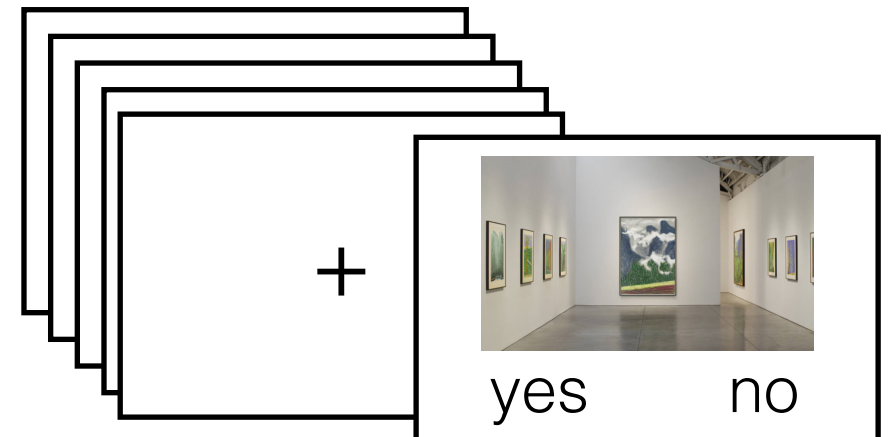
Building Blocks of an Experiment
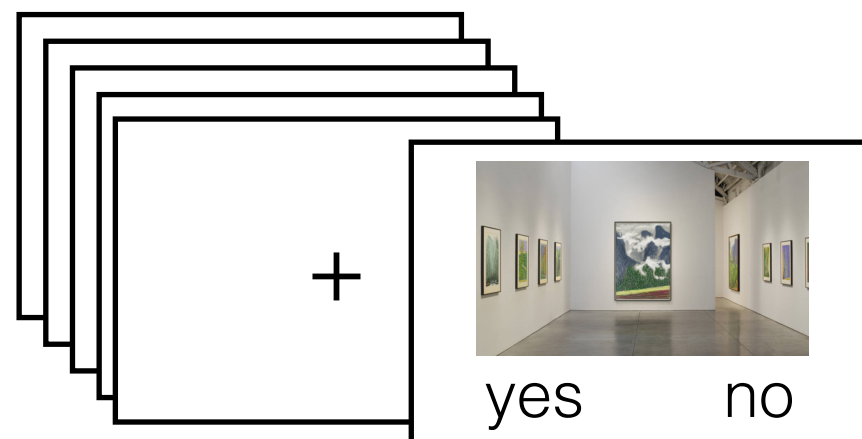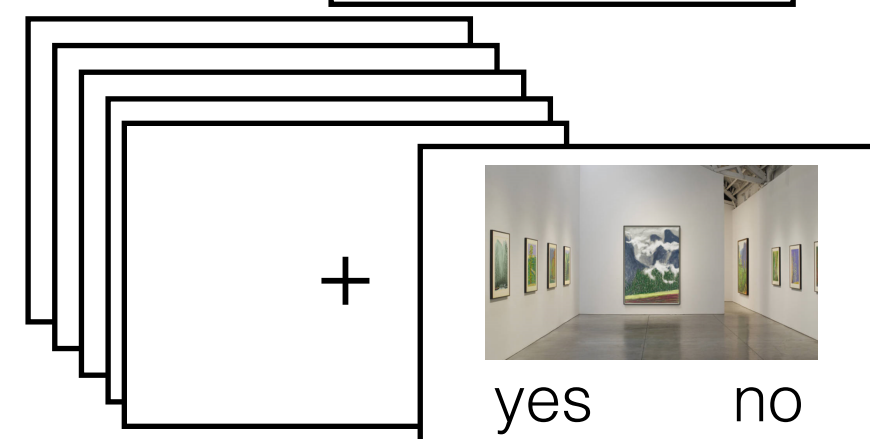
Stimuli (i.e. words, images, etc.)
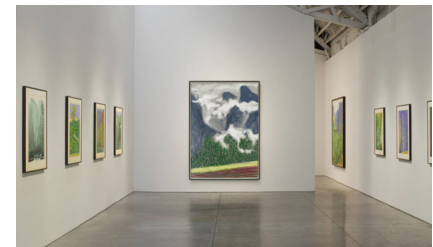
Trial

Block

Experiment

Break

yes   no

yes   no

yes   no

yes   no

The PsychoPy GUI builds up these components hierarchically into an experiment

PsychoPy Tour

Timeline of your experiment

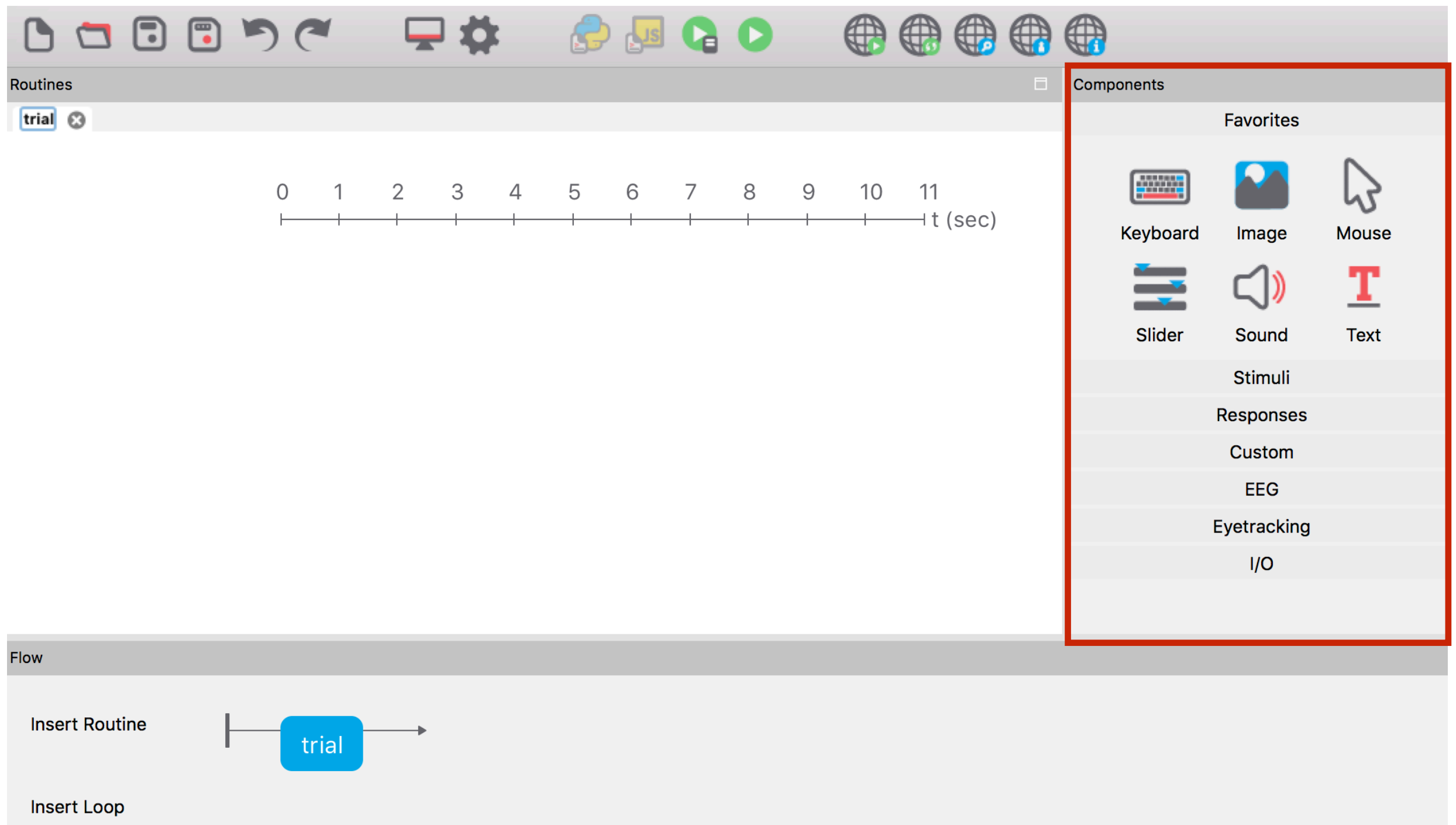**Create new trials (aka routines) and blocks**

PsychoPy Tour
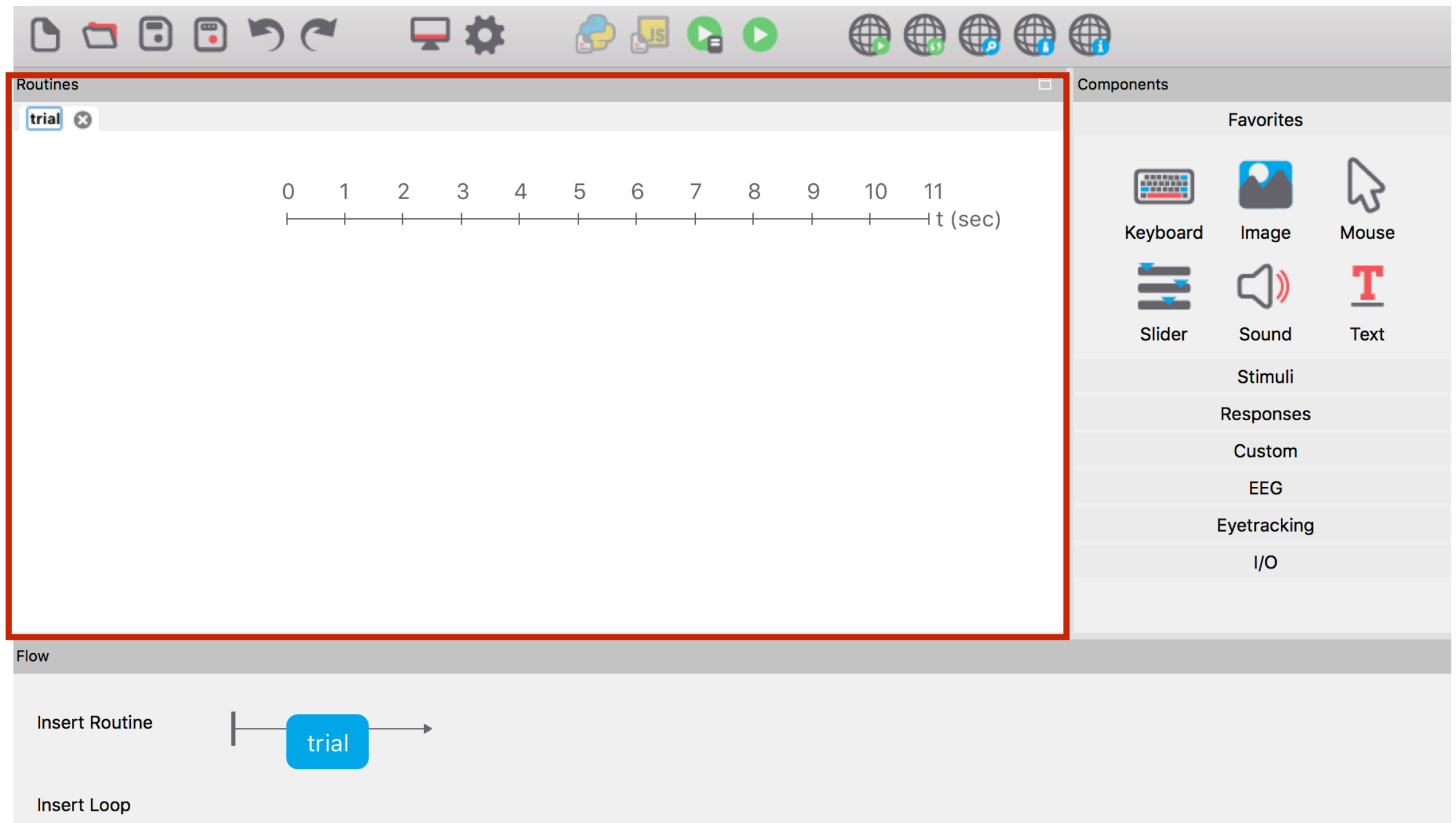
Create trials here

Define exact timing and add components based on your experiment

PsychoPy Tour

Components are added to routines (trials)

Many options, including response buttons, images, sound, movies, etc.

Let's build an experiment!

Experiment with 2 task:

Stroop Task

Scene Task

Stroop Task

Green

Scene Task

indoor   outdoor

Let's build an experiment!

Stroop Task
x5

Scene Task
x5

Let's start building!

Gather your stimuli (I've gathered them for you)

Create a folder with the name of your experiment

Open PsychoPy!

Challenge

Put words on the screen (i.e. indoor/outdoor for scene)

Add instructions before the experiment starts