

Artificial language learning workshop: Lecture 4

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Still to do

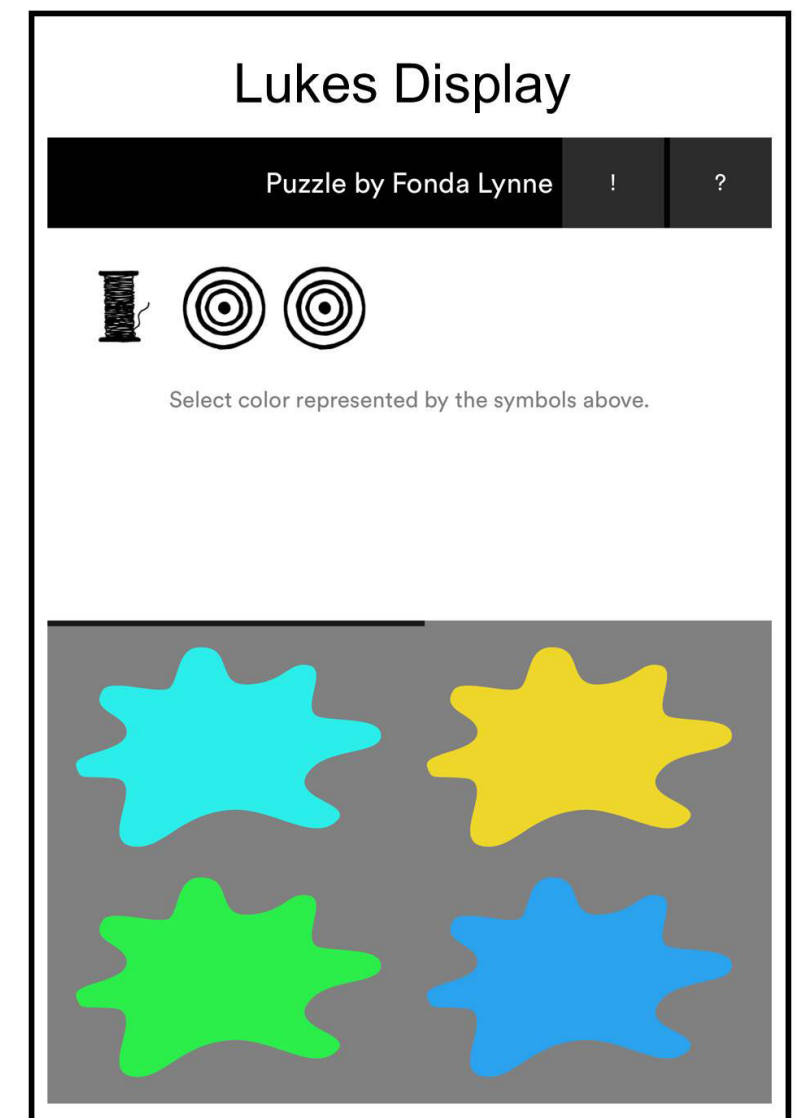
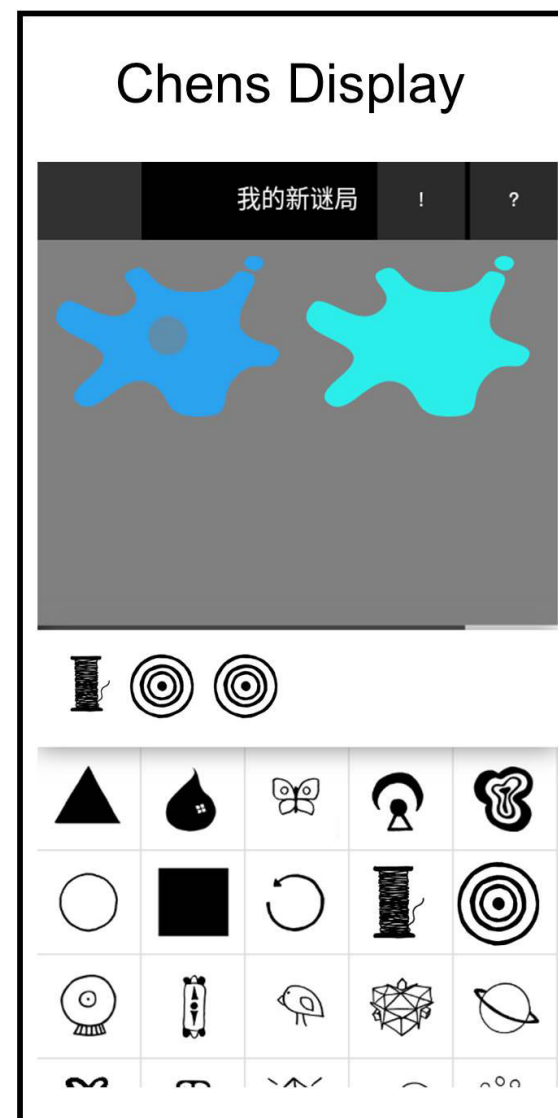
Introduction to PsychoPy

Understanding the design and architecture

Interpreting the output and looking at results

Stimulus design

Letting you modify and adapt the experiment



<https://colorgame.net/en/>

Still to do

Workshop feedback

goo.gl/ZRVt5n

PsychoPy

What is it?

An application that allows you to
design and run experiments



PsychoPy

Why use it?

It is free

It is open source

It can run cross-platform

It is written in Python

PsychoPy

Why use it?

[Products](#)[Company](#)

Pricing

License Type	Price in USD*
Single User	\$995
Single User Upgrade**	\$795 (20% off)
Group - Department License	From \$796 per user (minimum of 10)
Group - Institution License	From \$497.50 per user (minimum of 50)
Group - Subscription License	Contact for pricing
Runtime	\$125

PsychoPy

Why use it?

If you share your experiments (and data) more people will be able to understand what you did and reproduce your designs and results

PsychoPy

Why use it?

It is developing so you can host your experiments on the internet

<https://pavlovia.org/run/demos/stroop/html/>

PsychoPy

Why use it?

Builder or coder interfaces

Online community to help you

You learn something new

PsychoPy

How to use it?

PsychoPy

How to understand it?

PsychoPy

How to understand the data?

PsychoPy

How to understand the data?

Levenshtein distance calculator

goo.gl/D3Uhd9

PsychoPy

How to understand the data?

Use R

Package ‘stringdist’

```
Stringdist(“lenoga”, “lenoha”, method=“lv”)
```

<https://cran.r-project.org/web/packages/stringdist/stringdist.pdf>

PsychoPy

How to design stimuli?

PsychoPy

How to design stimuli?

Speech

[http://www.cstr.ed.ac.uk/projects/
festival/online_demo.html](http://www.cstr.ed.ac.uk/projects/festival/online_demo.html)

PsychoPy

How to design stimuli?

Speech

<https://cloud.google.com/text-to-speech/>

PsychoPy

How to design stimuli?

Non-words

<http://alexicon.wustl.edu/NonWordStart.asp>

Still to do

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