Interactivity Randomness and Control workshop by Tom Kessler

This workshop utilizes pre-made instruments and effects from Automatonism, MobMuPlat, Mike Moreno, and others, and guides you on how to alter and adapt them to your specific needs.

Here's a list of relevant links:

<u>https://mikemorenodsp.github.io/</u> Useful library of abstractions for pd <u>http://www.martin-brinkmann.de/</u> various instruments and effects for pd <u>https://github.com/porres/pd-else</u> useful externals for pd <u>https://danieliglesia.com/mobmuplat/</u> pd on your phone <u>https://bela.io/</u> create beautiful interaction <u>https://forum.pdpatchrepo.info/</u> repository of pd patches

Program

introduction to pure data

types of signals and signal chains messages, bang, audio, midi, dac~ adc~ digital vs analog inputs and outputs how to adapt existing pd patches for your own use generative music simple vs complex controls random seeds and beats (Mike Moreno drum machine patch)

introduction to bela

working with a breadboard pull down resistor circuit sensor types flash an LED buttons and potentiometers in bela other sensor types build a sample player and synthesized drum machine on breadboard with bela

using trill build a trill controlled looper with bela and pure data

using the custom pcb wiring components Instrument design ordering and recycling parts