PLANNED OBSOLESCENCE

opening a macbook from 2003

+ writing a forensic report.

Fairphone - interesting replacement business model

HOWEVER, still not open source & not totally free.

A WORLD IN DATA

moving from tangible hardware + components ⟶ ways & purposes of capturing data

from objectives to hypothesis to data

measuring the environment through tools

Sense Making in the Fablab — circa 2012

the city ⟶ industrial, digital
green, car, smart ...

What is a smart city? What is the role of the citizen?
↓
passive consumer

Open source technology for citizens' political participation in cities.
= being involved and not passive.

→ create low cost sensors to be able to retrieve data from their surroundings.

eliminating the black box & making things open source

Key learning points:
- Data accuracy + meaningfulness
- Tech issues + lack of skills
- Lack of purpose
- Sense of community

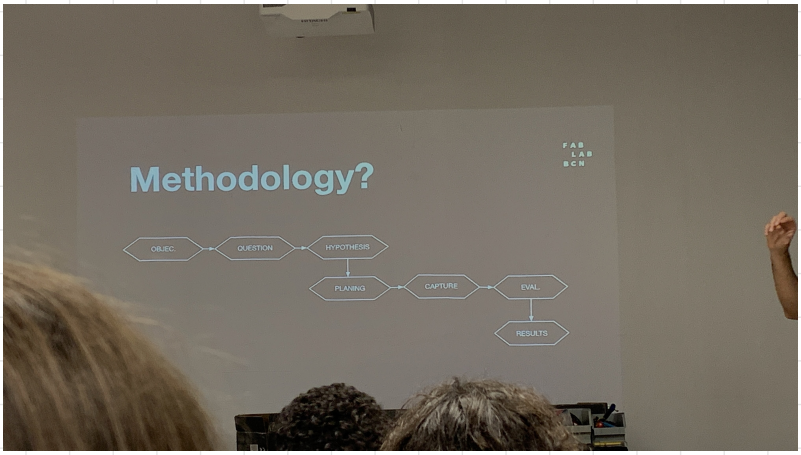
Covid: from case detection to mass surveillance.

From big data to small data, obtaining habits through garbage.

↳ deducing trends, ratines & behaviour (event seemingly meaningless data)

Open discussion

1) Big data
2) Data fusion
3) Privacy & control
4) Hypothesis & bias
5) High- low tech
6) Data proxies, interference, indirect data gathering.



1. From objective to hypothesis

- Define objectives
- Make questions
- Create hypothesis

2. From hypothesis to data

- Data in an ideal world
- Tools Demos
- Data in the real world
- Reverse-auction

3. Data capture

- Limits and minimum requirements
- Data capture strategy and flight check
- Data sharing requirements

4. Data evaluation

- Data analisis
- Results visualization
- Conclusions presentation

- From objective to hypothesis
  - define objectives
  - make questions
  - create hypothesis
- From hypothesis to data
  - data in ideal world
  - tools demos
  - data in real world
  - reverse-action
- Data Capture
  - limits + requirements
  - strategy + flight check
  - sharing requirements
    - ↓
    - fair sharing
- Data Evaluation
  - data analysis
  - results visualisation
  - conclusion presentation

1) FIRST STEP: from objectives to hypothesis

Defining our purposes & motivations
→ choosing a realisable topic: be humble

from hypothesis to data

→ defining what kind of info we want to obtain

↓

then, it's time to capture actual data

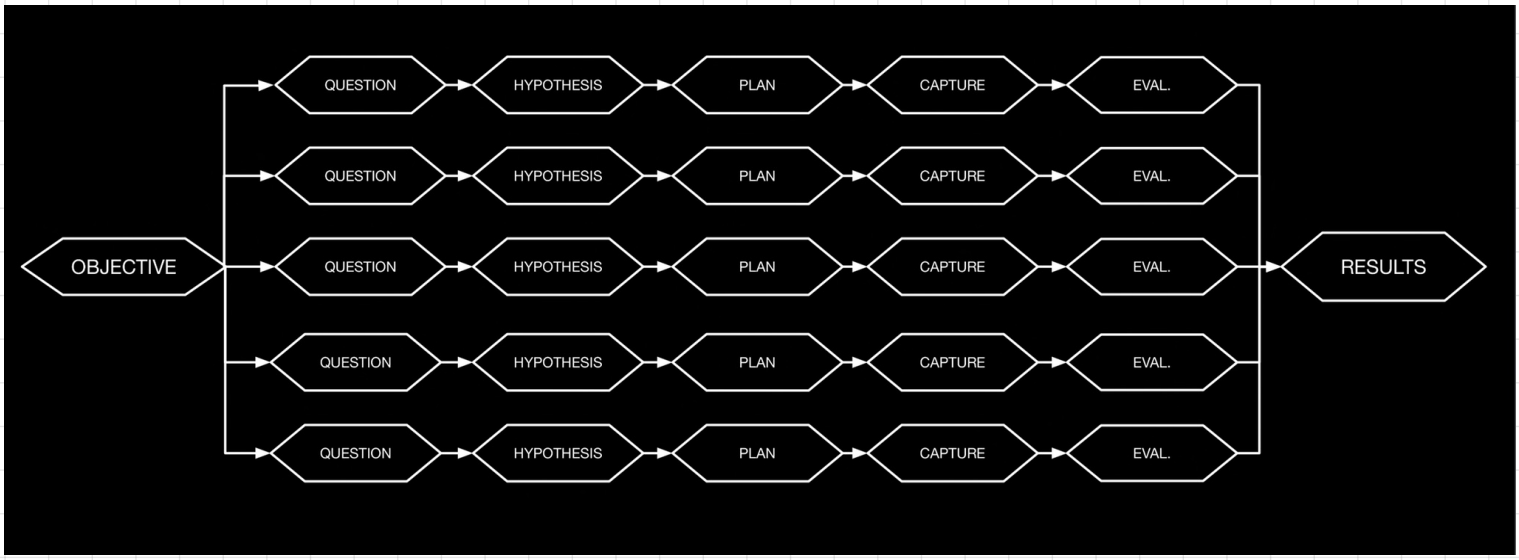
Various tools that could help us gather data

- SCK : measure air quality / sound / light ...
- Pi Camera : using raspberry pi to take photos
- Web scraping: find specific information from certain online websites.
- Physical intervention: collect information from the public through wire-map installations
- GPS Mobile location: use cellphones to create maps.
- Arduino LDR Sensor: light sensor

"i know a lot of people who said they were going to save the world and instead they end up rich"

→ for tomorrow: familiarise self with tools, introduction to all of these

Reverse auction: give speech about why other groups need tools that we don't want



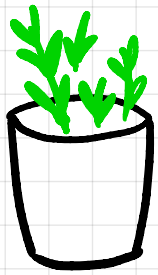
TOOL USED - Web scraping

Download content from website & categorise it

What kind of information do we want?
From which website do we want to retrieve it?
Do we want to retrieve nutritional information?

personal project idea

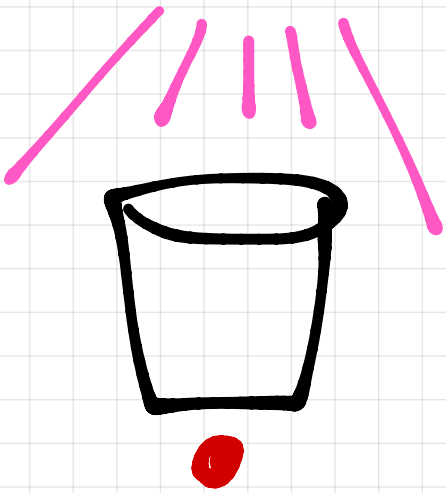
PLAY MUSIC WITH PLANTS



LIGht

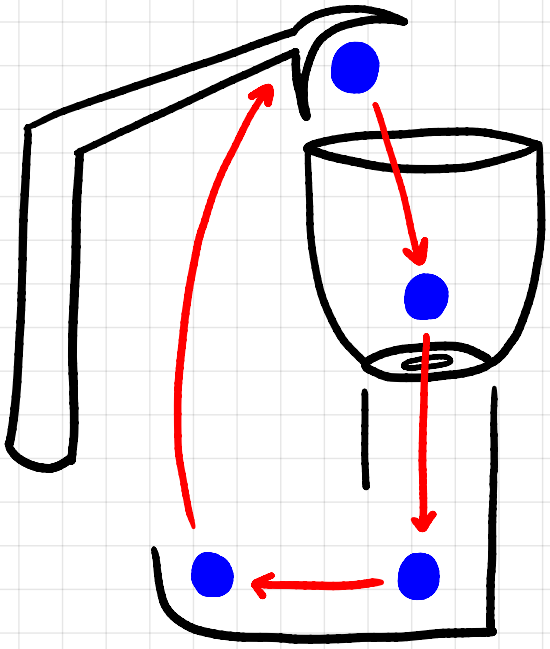
+

VFX too



projections

ALMOST USELESS MACHINES



CIRCULAR MACHINE

Haiku

throw away your shit
pick it back up forever
Circular Machine.

What do we want to do?

- convey sense of circularity, infinity

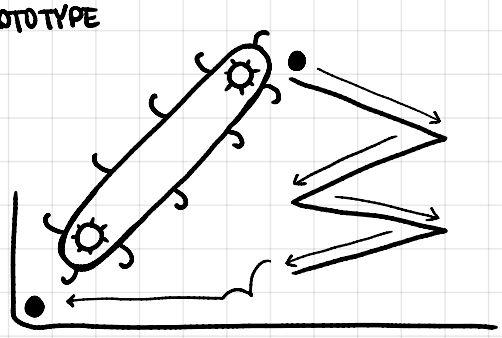
What do we need?

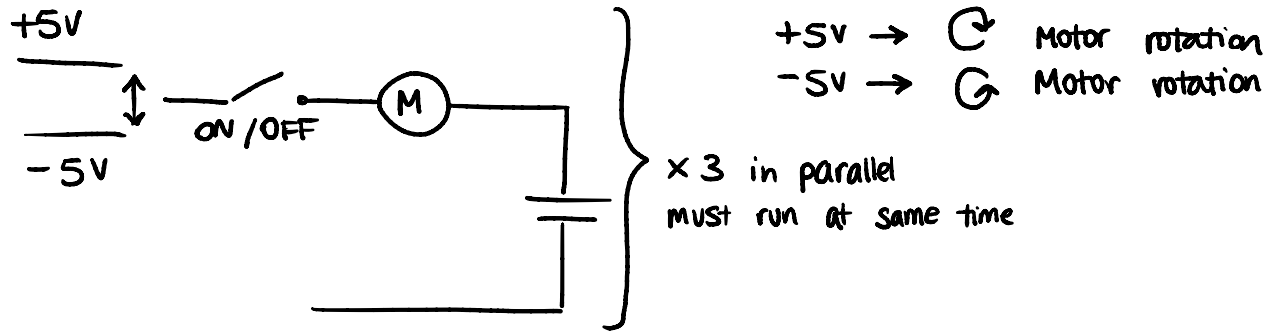
- A container in which we will make a hole
- An "arm" that will collect the object
- A "tube" that will transport the object from container 1 to container 2

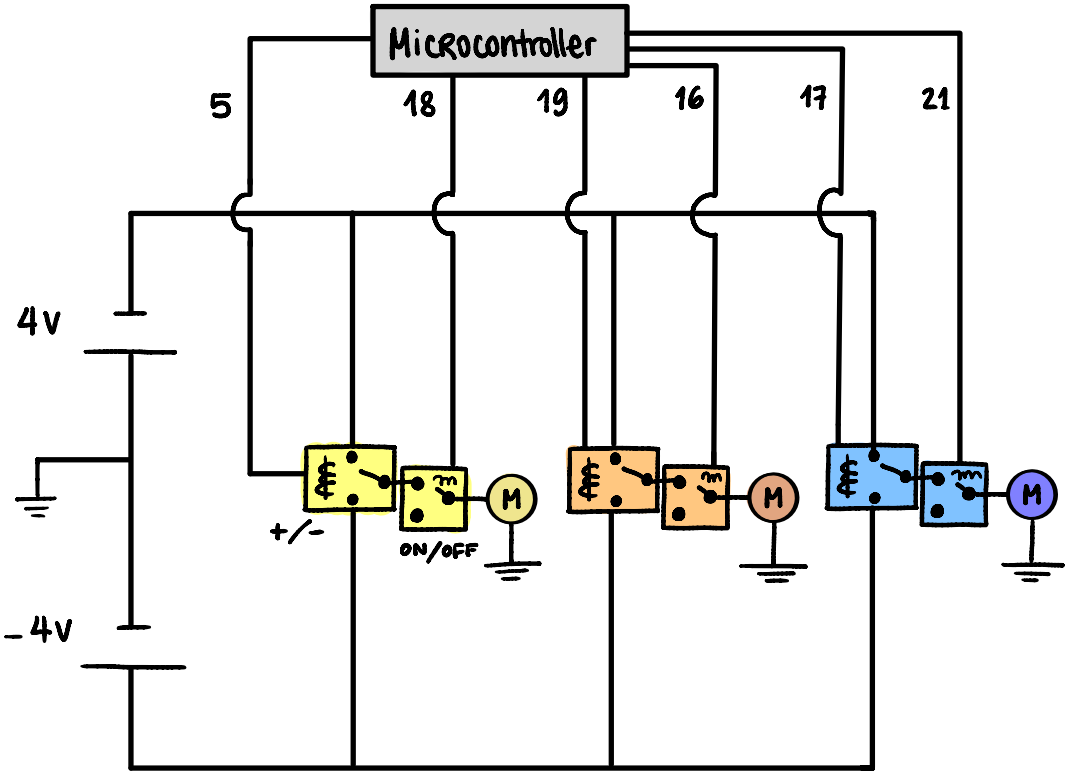
What did we get?

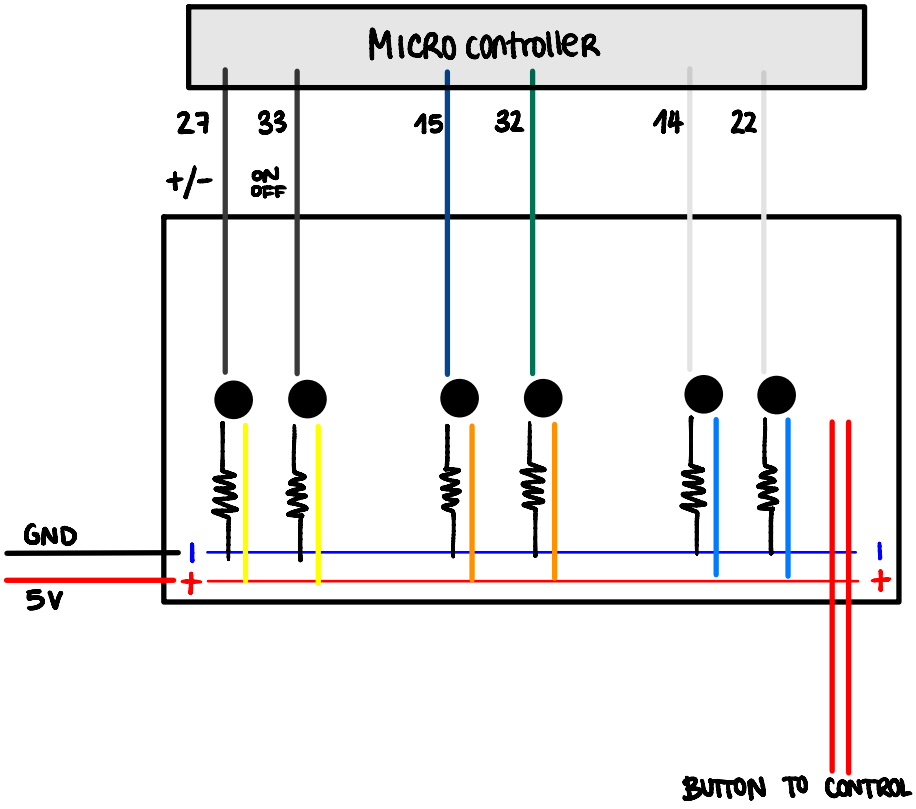
- Rotating wheels: turn into conveyer belt
- Fan: turn into "random" hole generator
- HDD: turn into latch that lets the ball drop

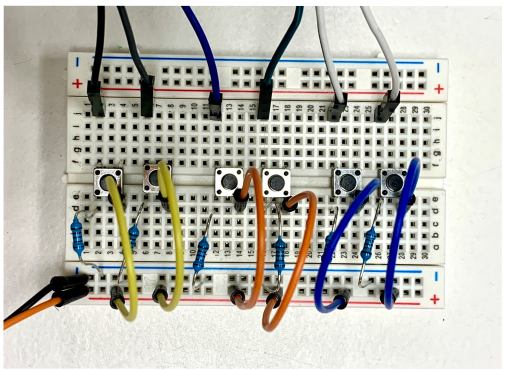
NEW PROTOTYPE





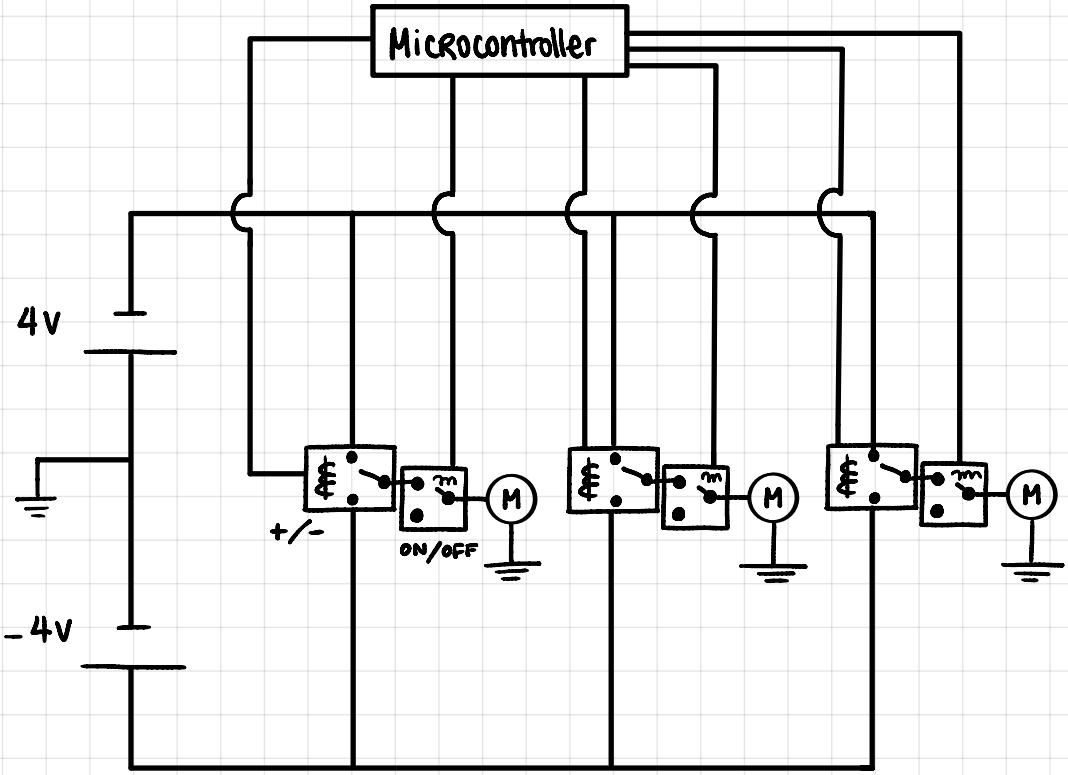


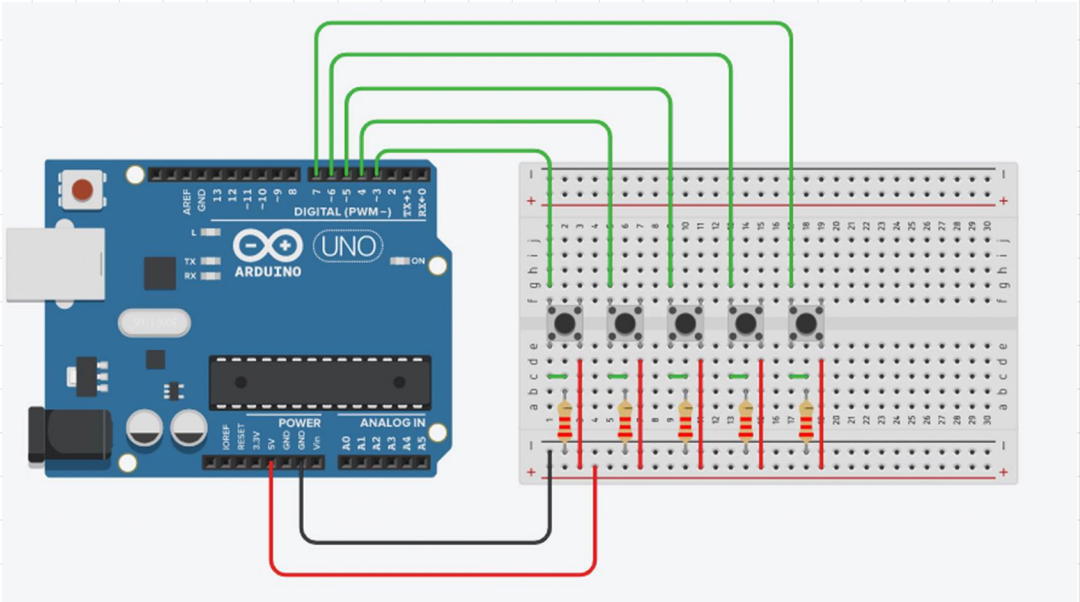




BUTTONS TO CONTROL ROTATION + POWER RESISTOR

BUTTON TO CONTROL SLIDING DOOR





Buttons scheme reference