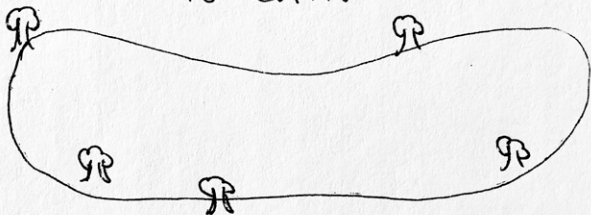


intersectional AI toolkit

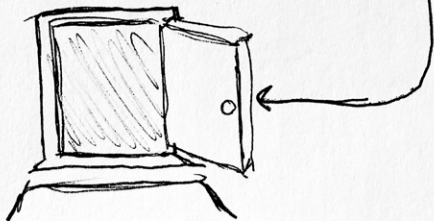
Help Me Code
Intersectional AI

AI + CODING

can be intimidating
to learn.



but the entrance is
framed in some simple
ideas



all code is built from just
a few key concepts
NO MATTER THE SCALE OR COMPLEXITY!

data types:
string = "text"
integer = 100
float = 0.25
(decimal)
boolean = True
(or False) (or None)

VARIABLES

variable



let $x = 1$

Variables are labeled containers for information
here x is a variable storing the value 1
later you can use x , or ask what it equals,
or change it to $x = 3$ (and next time you
ask the answer will be different)

psst...you decide
what to name
your variables

ENCODE \leftrightarrow DECODE

Naming has power. you are
deciding what information means.

e.g. the weight of a feature in an ML model
or the threshold that demarcates a color

There are different data types we use to group data:



- Arrays and lists are simple rundowns of data

↳ list = [3, 4, 5, 6, 7]

↳ list = ["peach", "eggplant", "heart"]

- Dictionaries and objects contain pairs of values, where each item has a key assigned

↳ dict = {"key": "value", "name":

"Sarah", "color": "teal" }



- Sets are special lists that forbid duplicates, which can come in handy!
- Any of the above data types can be stored in a variable that you name (almost) whatever you want.

A loop helps you repeat an action many times. What factors are overlooked when working at a large scale?

for (image in dataset):

// find out if blueberry muffin

// Or chihuahua

How do we
treat different
things?

LOOPS

CONDITIONALS

A conditional helps you decide whether to do an action or not. How do we decide on the right judgment call?

if (object on plate):

// muffin!

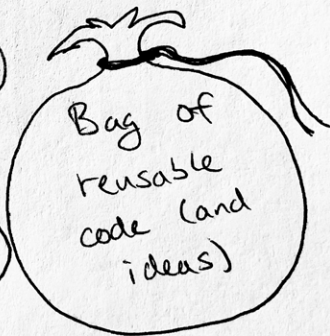
// unless something is horribly wrong

Functions

are a way to organize and re-use code, along with it's embedded ideas and values

Wow, that's some useful code!

What about those ideas though?



The more functions you organize your code into, the easier it is to re-use in later projects.

There is NO such thing as "raw" data. (I/O)

INPUT =

computer
"senses"

e.g.

- Keyboard
- mouse
- digital camera
- microphone
- + databases
- APIs

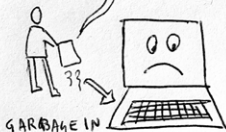
data entered into a program, stored in variables and used to run a program

data the computer program sends out into "the world"

OUTPUT

e.g.

- print ()
- translation
- recommendation
- computation
- search result
- prediction



PRO TIP

The quality of information coming **out** cannot be better than the quality of information coming **in**



The Intersectional AI Toolkit gathers ideas, ethics, and tactics for creating and supporting more ethical, equitable tech. It offers approachable guides to both intersectionality and AI, and it shows how already established queer, anti-racist, anti-ableist, feminist communities contribute necessary perspectives to reshaping the digital systems that affect us all.

This edition features collaboration by Katherine Yang, Miguel Mercado, evelyn masso, Emily Martinez, and Sarah Ciston. See more issues at

[INTERSECTIONALAI.COM](https://www.intersectional.ai)

