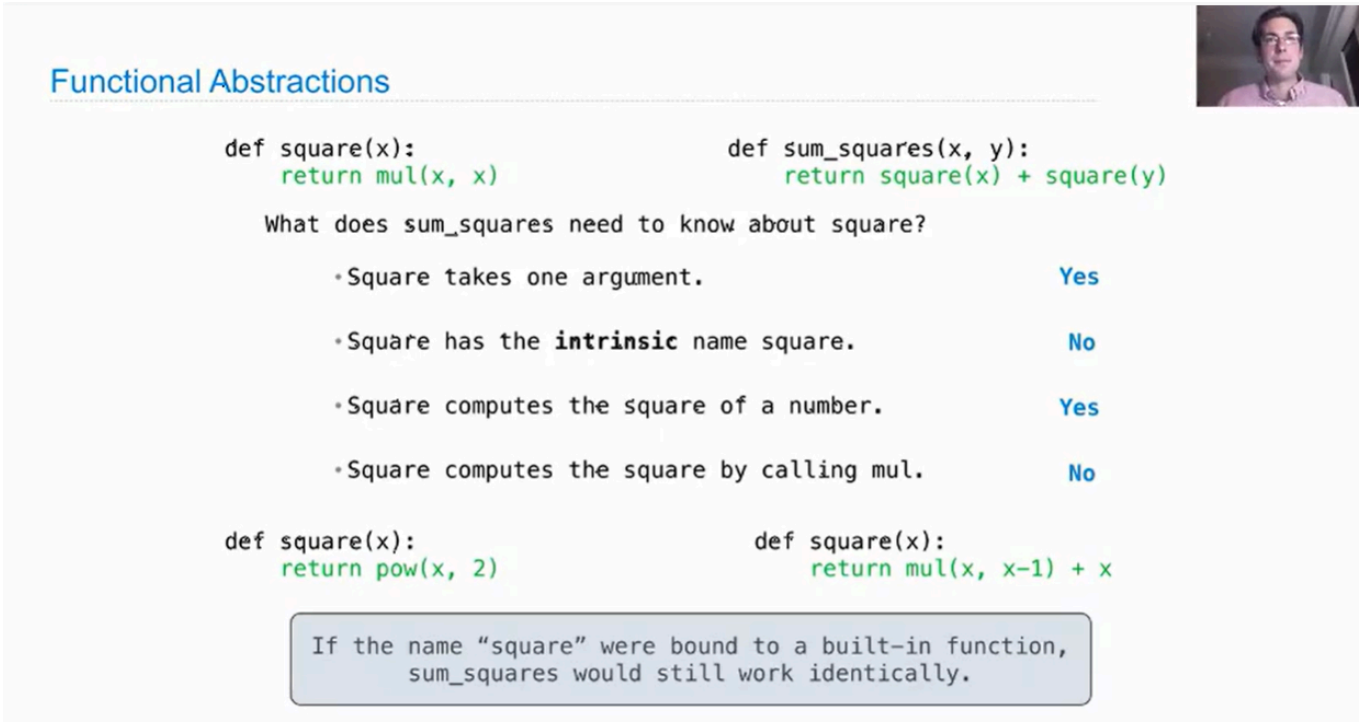
Lecture6 design

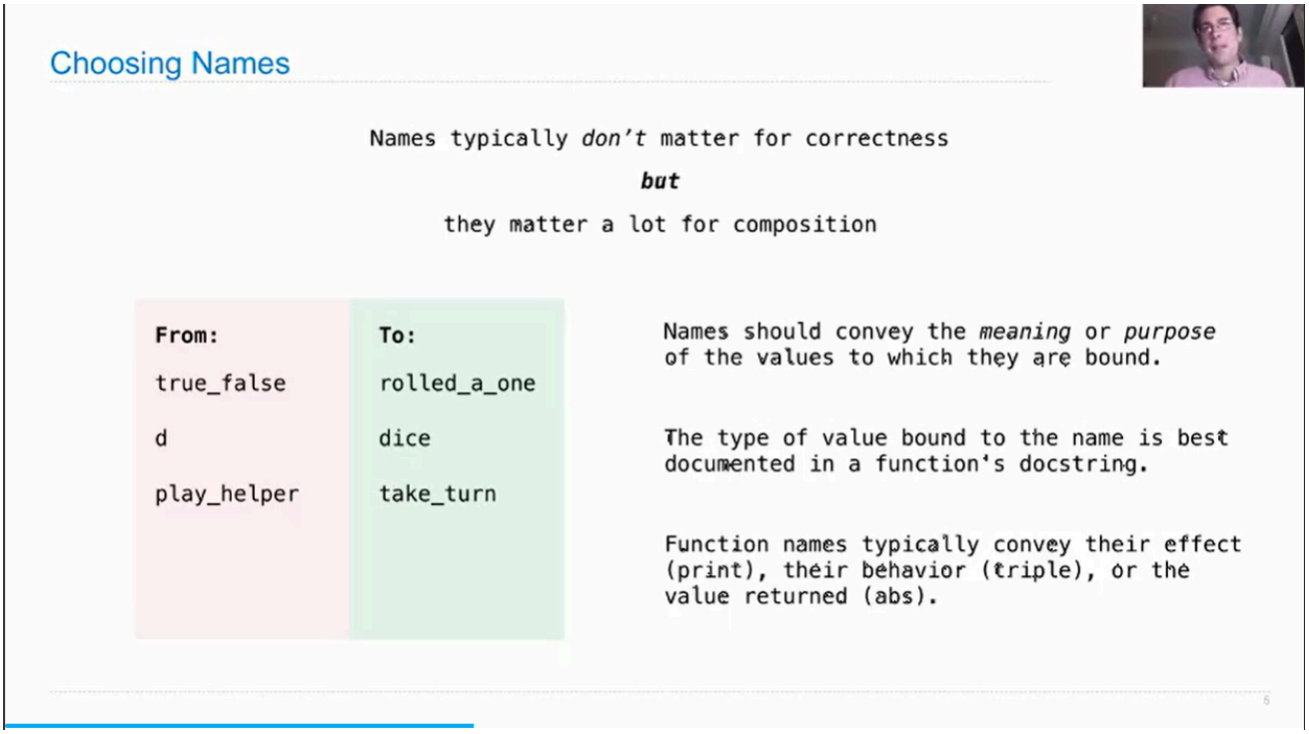
abstraction

functional abstractions

name some computational process and see them as a whole, without caring its inner mechanics.



- guidelines for the names of the functions.



which values deserves a name?

- repeated compound expressions
- meaningful parts of complex expressions
  - for example: discriminant in equation solving

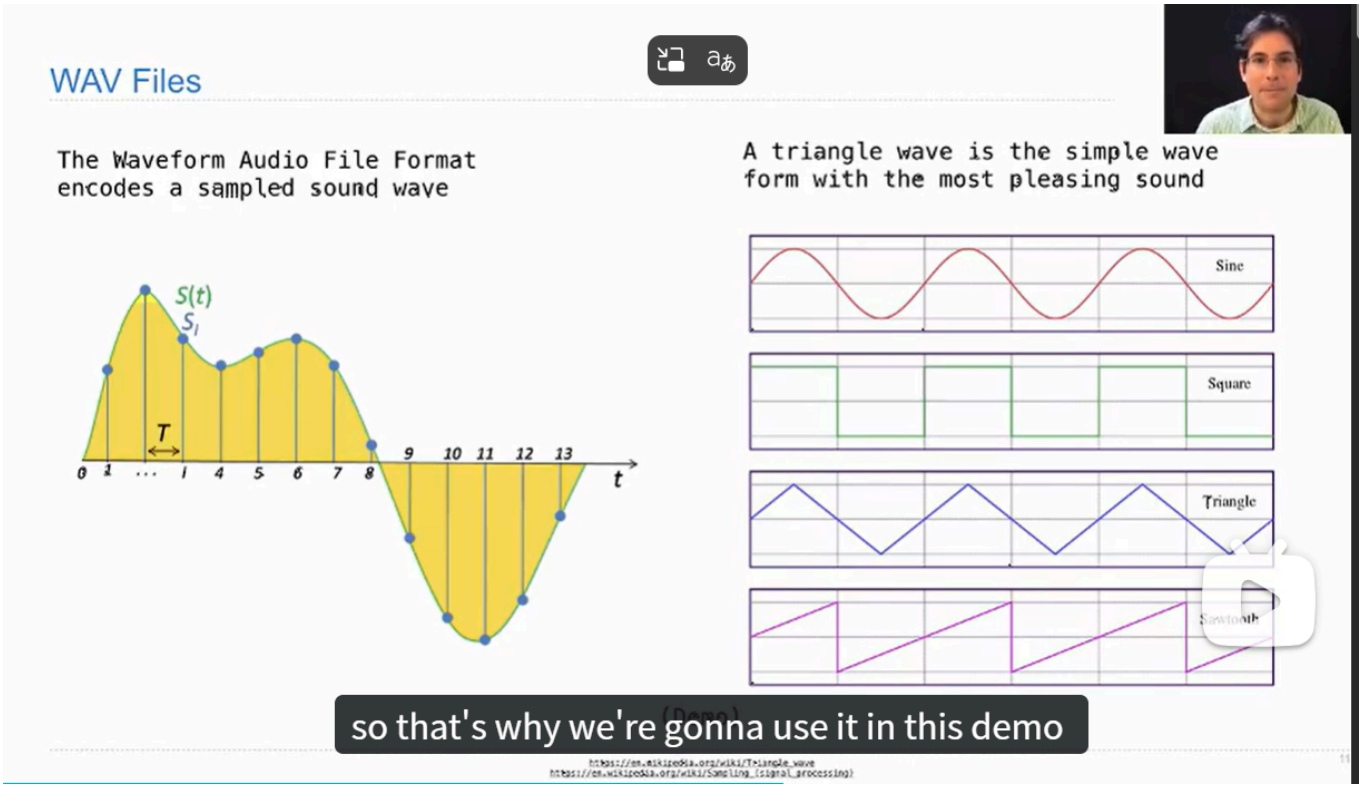
more tips

- names can be long if they help document your code
  - average_age in stead of aa or sth else
- names can be short if they represent generic quantities
  - x, y, z-- real numbers
  - .....

WHY do we need higher order functions?

function example: sound

WAV Files



> [!info]Q&A session
> about inequality in python of float
> 1/3 + 1/3 + 1/3