

DS2000

2/28 - Tues. ☁

Admin

- mini viz due 3/3 (no late submissions)
- no quiz this week!

Agenda

1. Dictionaries - mechanics
 2. Dictionaries - why/when
 3. Python → Fri
-

1. Dictionaries - mechanics

Data structure - one label, many values

list [] } mutable
2D list [[]] }
Tuple () → immutable
Dictionary {} → mutable *

Dictionary is like a list, but we have keys instead of positions

Key, value pair =

k1	k2	k3	k4
v1	v2	v3	v4

keys
values

Get to value through its key

1. Create

d = {}

d = {
 "nu" : "hookies"
 key value
}

nu
hookies

key
value

2 Add something

d["bu"] = "terniers"
key value

nu	bu
hookies	terniers

key
value

3. Look at one thing

`print(d["no"])`
key

hosties >
value

4. Look at all the things

for key, ^{→ tuple} value in d.items():
print(key, value)

no hosties
bu terniers

Dictionaries are mutable

* keys must be immutable *
(tuples are ok, lists are not)

* keys must be distinct *

joinpd.com

Zu2 you