

Lecture 13

Advanced Dictionaries

Logistics

1. Project 6 - released. Due next Wed.
2. Project 5 - due yesterday!

Learning Goals:

1. More dictionary operations
2. Table representation.
3. Binning.

1. len.

Key	Value
1	'one'
2	'two'

$d = \{ \}$

$d = \text{dict}()$

2. in - check only the keys.

3. `d.keys()` and `d.values()`

4. Default values in `get()` and `pop()`.

Table representation

header: `['x', 'y']`

data: `[[1, 2], [3, 4]]`

data-dict = `[{'x': 1, 'y': 2}, {'x': 3, 'y': 4}]`

(3)

Summary

1. Review of dict

2. Operations
len()

in

for

get() — default values

pop() — " "

d. keys()

d. values()

3. Read table → csv → Lists of lists

↓
List of dicts ← transform()