Notes: Python Fundamentals

Dataset is collection of data (a group of data)

Types

- List ←
 - Ordered
 - Changeable
 - o Duplicates allowed
- Dictionary ←
 - Ordered
 - Changeable
 - Duplicates are NOT allowed
- Set
 - o Unordered
 - o Unchangeable*
 - o Duplicates are NOT allowed
- Tuple
 - Unordered
 - Unchangeable
 - Duplicates allowed

Column oriented: grouping by data

Row oriented: grouped by a single observation (good for acting on a single important feature)

Indexing:

- List ←
 - name[index/whole number]
- Dictionary ←
 - name[key] (example Pirate)
- Set
 - For loop
- Tuple
 - name[index]

Loops:

- For loops
 - o 'for thing in collection'
 - 'statement'
- While loops
 - o 'while condition'
 - 'statement'

Useful Methods

Dictionaries:

- values()
- items()
- keys()

Lists:

- len()
- append()
- sort()

Other:

- range()
- print()
- split()
- type()
- int()
- str()