BST281: Genomic Data Manipulation, Spring 2018

Wednesday 02: Python II: collections and the **for** loop

# Python: review

* Scalar data types (strings, ints, floats, Booleans)
* Assigning data to variables
* Indexing and slicing

**Python: new material**

* The notion of a “data collection”
* The list
  + A built-in, ordered collection of (potentially repeated) elements
* The dict
  + A built-in, unordered collection of (key, value) pairs
* The for loop
  + Syntax for executing the same block of code multiple times
  + In Python, the for loop performs a set of actions on each element of an “iterable” piece of data, often one of the built-in data collections

# Suggested textbook reading

* Haddock & Dunn, Chapter 7
* Haddock & Dunn, Chapter 9