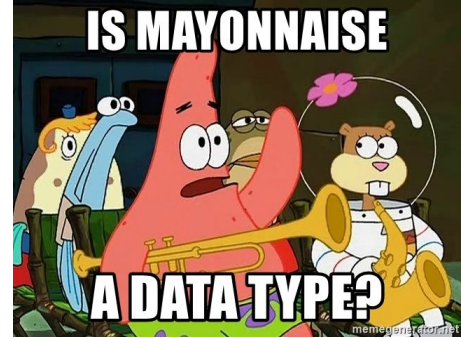


Lab 3

Data Types, Arrays & More Tables



Today

- Check-In
 - How are you feeling?
 - Is there any topic that was confusing?
 - How is the workload?
 - Feel free to private message us if there is anything you want to discuss!
- Announcements
- Lab

Announcements

- **Office Hours** were not busy last week
 - Personal support for your problems with homework, labs or concepts in class
 - Monday through Friday from 12-4PM and 7-9PM PT
- **Autograder** is still broken
 - What does that mean?
 - It only means your homework/lab grades will be delayed until further notice
 - Does not hold for **vitamin questions**
- Make sure to **submit** and to **check off**
- **Homework/Vitamin** will be released today

Announcements

- **Optional sections** have been added to labs! They're strongly encouraged to do, but not required to do
- **Small group tutoring sections** began this week!
 - Check Piazza for available time slots
- Reminder about the lab credit policy

Don't memorize. Your best friend is the Python Reference Sheet!

Data 8 Spring 2021

FAQ

Office Hours

Policies

Staff

Resources

Links

Python Reference

Created by Nishant Kheterpal and Jessica Hu

Materials

Python Reference

Supplemental Videos

Table Functions and Methods

In the examples in the left column, `np` refers to the NumPy module, as usual. Everything else is a function, a method, an example of an argument to a function or method, or an example of an object we might call the method on. For example, `tbl` refers to a table, `array` refers to an array, and `num` refers to a number. `array.item(0)` is an example call for the method `item`, and in that example, `array` is the name previously given to some array.

Name	Chapter	Description	Input	Output
<code>Table()</code>	6	Create an empty table, usually to extend with data	None	An empty Table
<code>Table().read_table(filename)</code>	6	Create a table from a data file	string : the name of the file	Table with the contents of the data file
<code>tbl.with_columns(name, values)</code> <code>tbl.with_columns(n1, v1, n2,</code>	6	A table with an additional or replaced column or columns. name is a string for the name of a column, values is an array	1. string : the name of the new column; 2. array : the values in that column	Table : a copy of the original

Lab 3

- **Need us over?**
 - ❌ Hold off pressing the 'Ask for Help'-button
 - ✅ Create a ticket on **lab.data8.org**
 - Please tell us where you are!
- 💡 **Useful Sources**
 - Reference Sheet
 - Lecture Demos/Slides for Tables, Building Tables, Census
- Little behind? That's ok! Read up on **chapter 4, 5, 6** on inferentialthinking.com
- Feedback form: <https://tinyurl.com/HowDidRyanAndKevinDoToday>