

Applied Social Data Science - Coding Camp

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September 4 - 8, 2023

Schedule

- ▶ *Monday: Introduction*
- ▶ *Tuesday: R basics*
- ▶ *Wednesday: R basics + Good practices*
- ▶ **Thursday: Python basics**
- ▶ Friday: How to write up and report - \LaTeX

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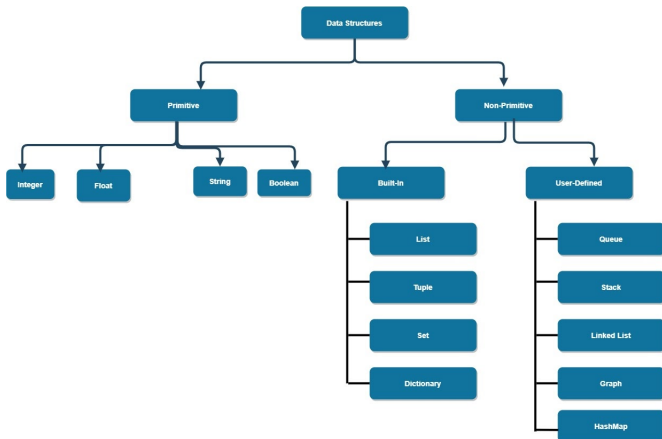
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- ▶ More suitable for machine learning, deep learning, and large-scale web applications.
- ▶ It is used for various purposes like building a graphical user interface, developing games, etc.,
- ▶ Primary users of Python include developers and programmers (R more scientists /Research & Development who frequently rely on data analysis)

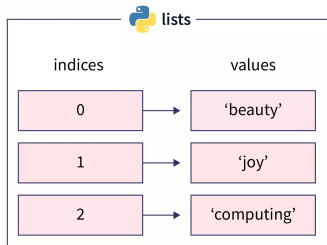
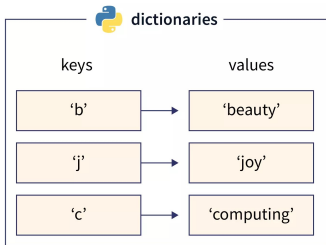
Python Data Structures

Every variable in Python has a type, indicating the nature of the value that it stores.

- ▶ **Primitive:** Simplest forms of representing data.
- ▶ **Non-primitive:** These contain primitive values within more complex data structures for special purposes.



More differences from R



SCALER
Topics

More differences from R

```
while x < 10:  
    print("x is currently", x)  
    x = x + 1  
    if x > 5:  
        print("x approaching 10")
```

Colon character
at end of block
header line

Outer block

Inner block 1

Inner block 2

Now let's start with Python

Open Anaconda Prompt first