BST 219
Core Principles of Data Science

Lecture 8: R Basics Continued
September 26, 2024

Recipe of the Day!

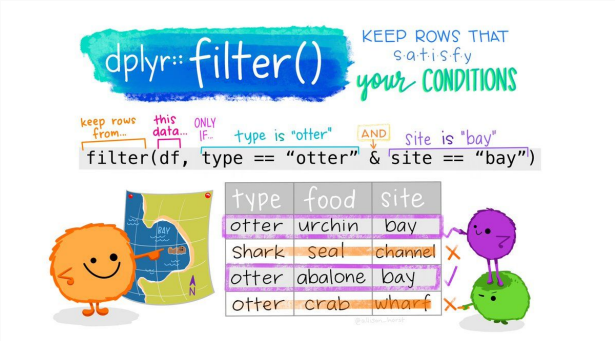
Matcha Tres Leches Cake
(Credit to Jennifer)

When you find the bug in your code and fix it on the first try

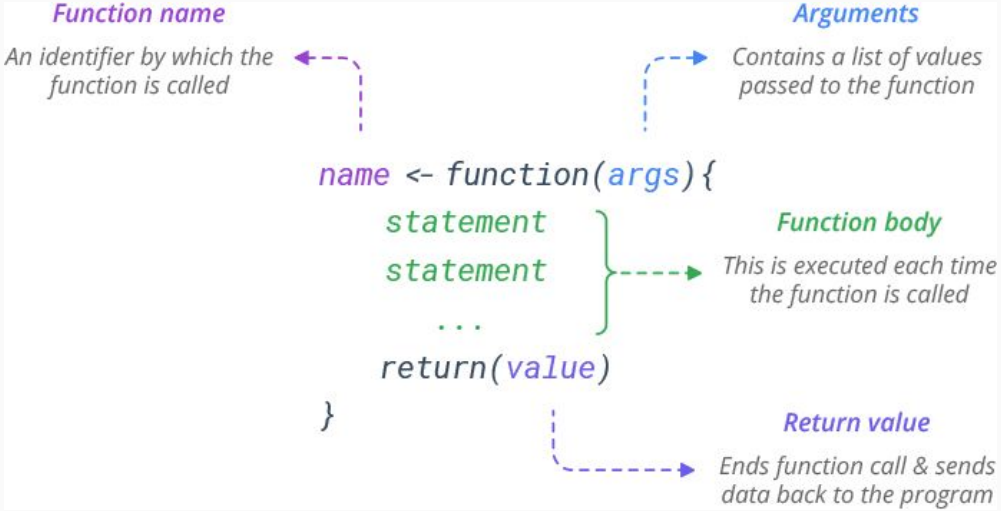
Agenda

- Announcements
  - Lab this week! FXB G03 and Zoom
  - Homework #1 due 9/27 by 11:59pm
    - Plots: for this HW **only** axis labels do not need to be “pretty” or intuitive/informative. We will be learning how to do this in the next module.

- Wrap up of coding basics
  - Importing data
  - Writing functions
- Start the visualization module!



The Anatomy of Functions

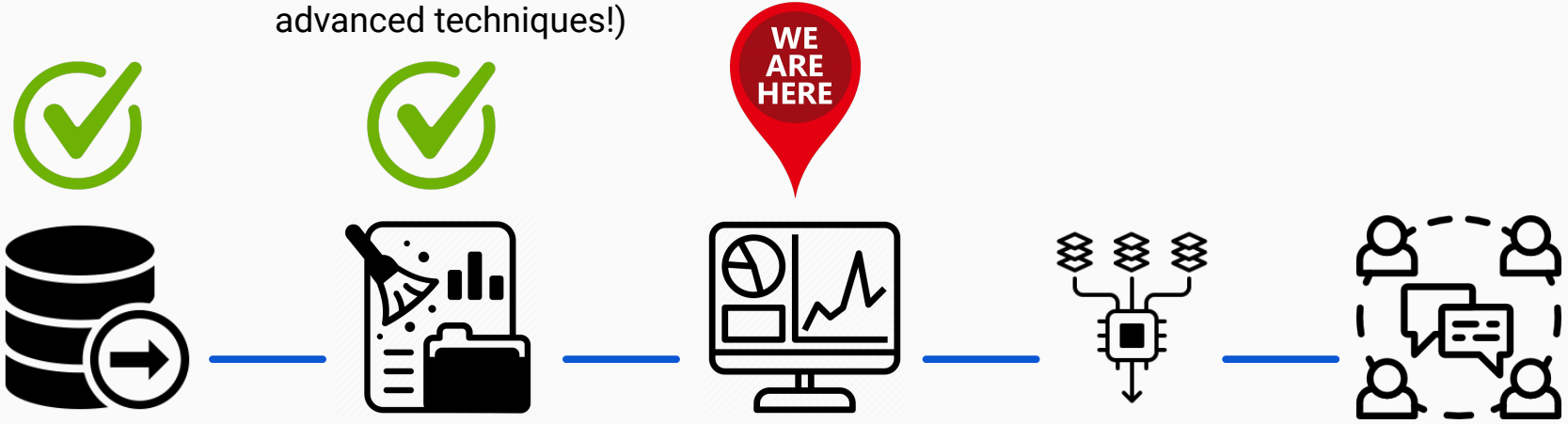


Good Practices for Functions

1. Use meaningful names for your function and the arguments
2. Make your functions short and simple - try to have each function do one thing
3. Use an explicit return() statement at the end of your function

Where we are in the data science pipeline

(But we'll come back to this with more advanced techniques!)



Importing (loading) the data

Processing (cleaning, wrangling) the data

Visualizing and summarizing the data

Building models (statistical and ML)

Interpretation and communication of results