

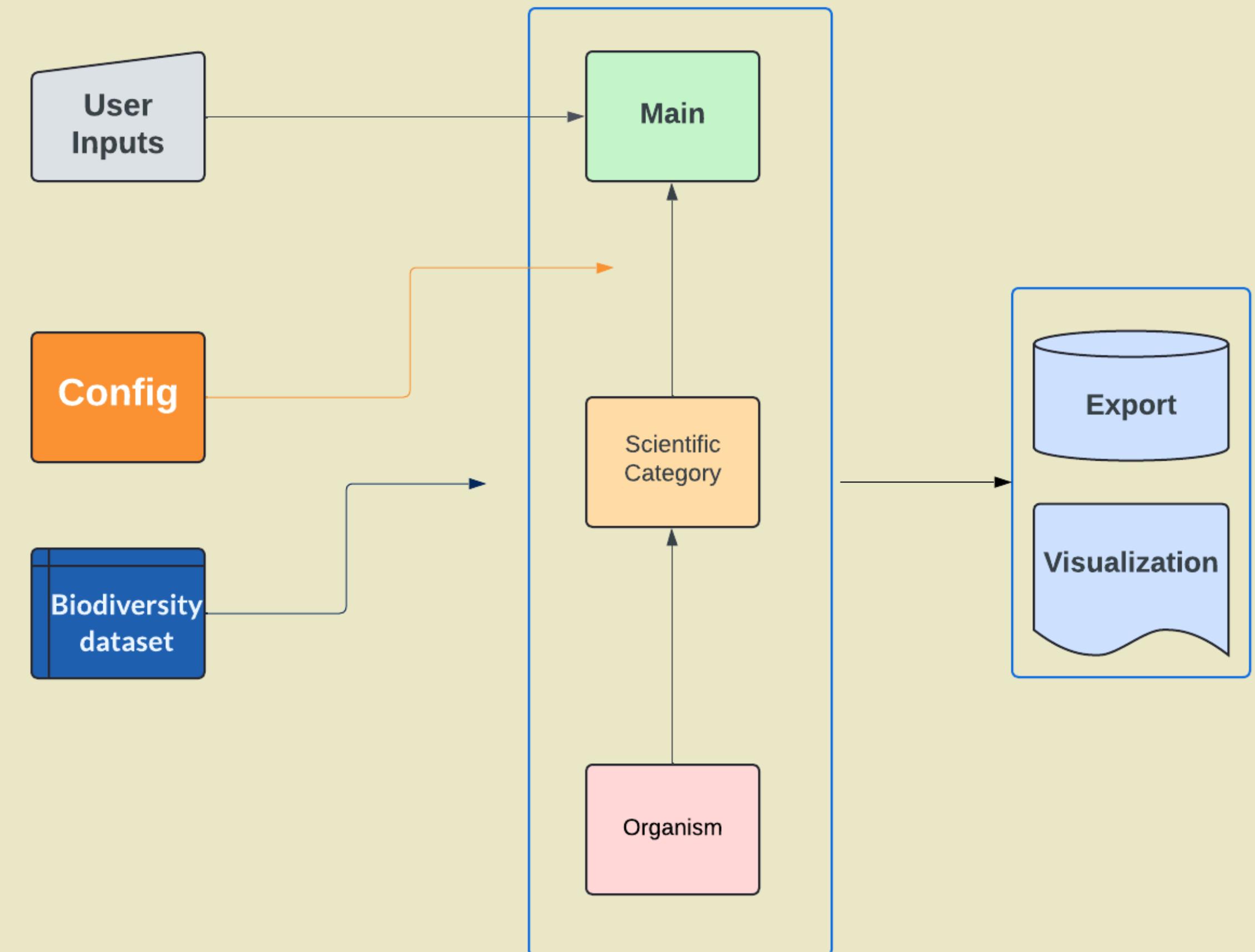


Animal & Plant Biodiversity

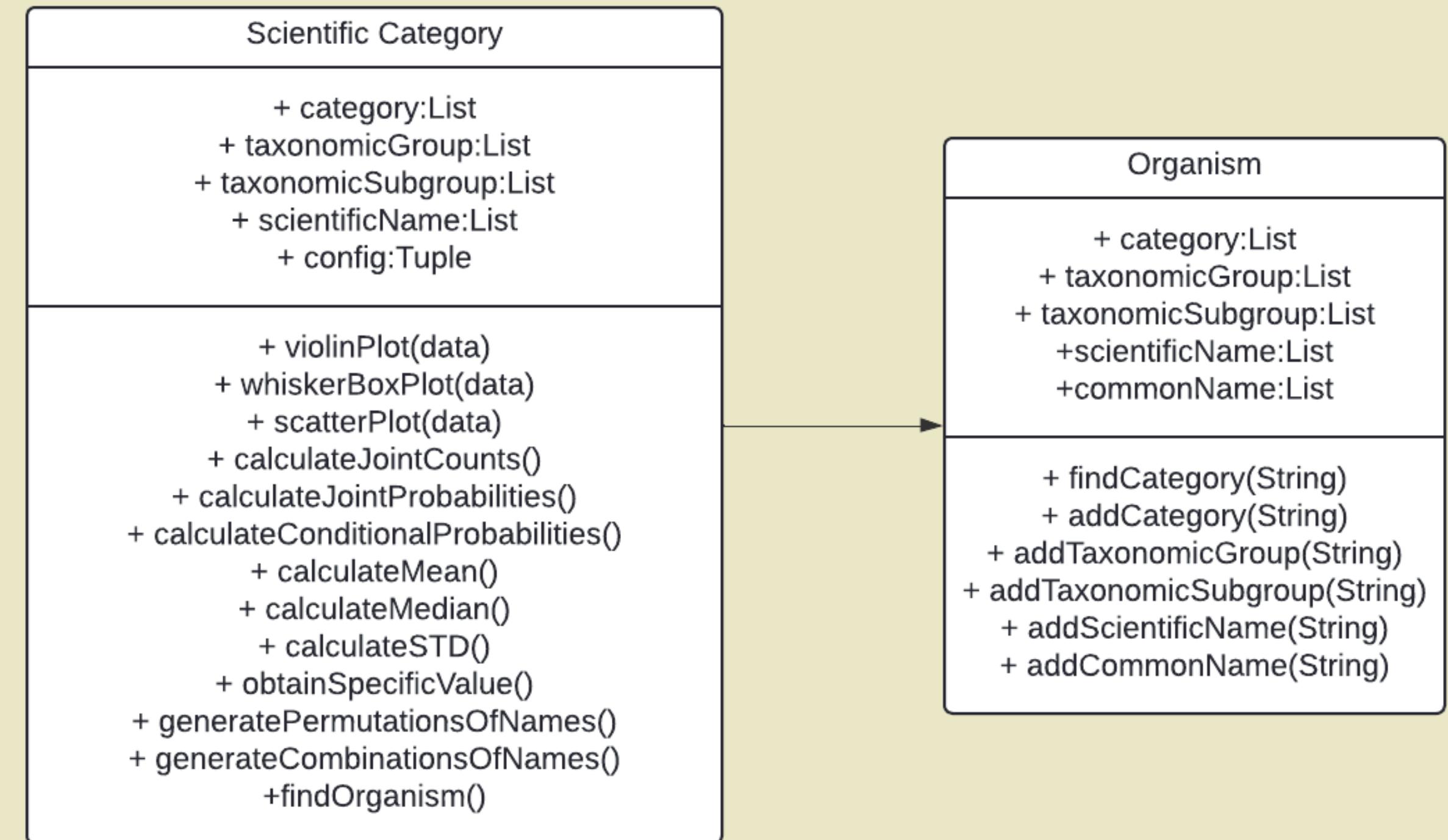
CMPS 340 | PA2 | Lion Coders

Carrington Wynn, Aubrey Merritt,
Julie Blanchard, Chloe Catanese

New Module Communication Flow Diagram



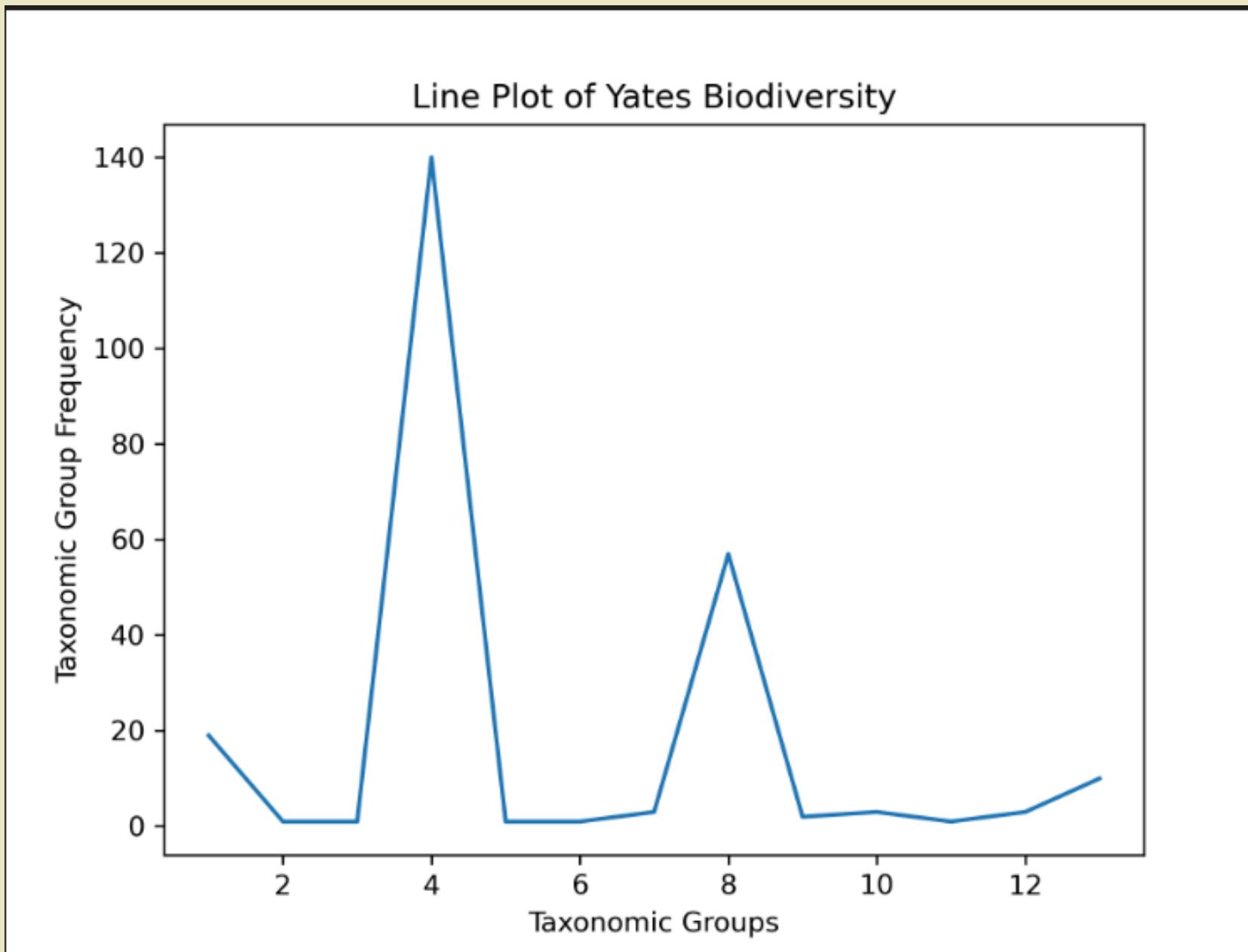
Class Diagrams



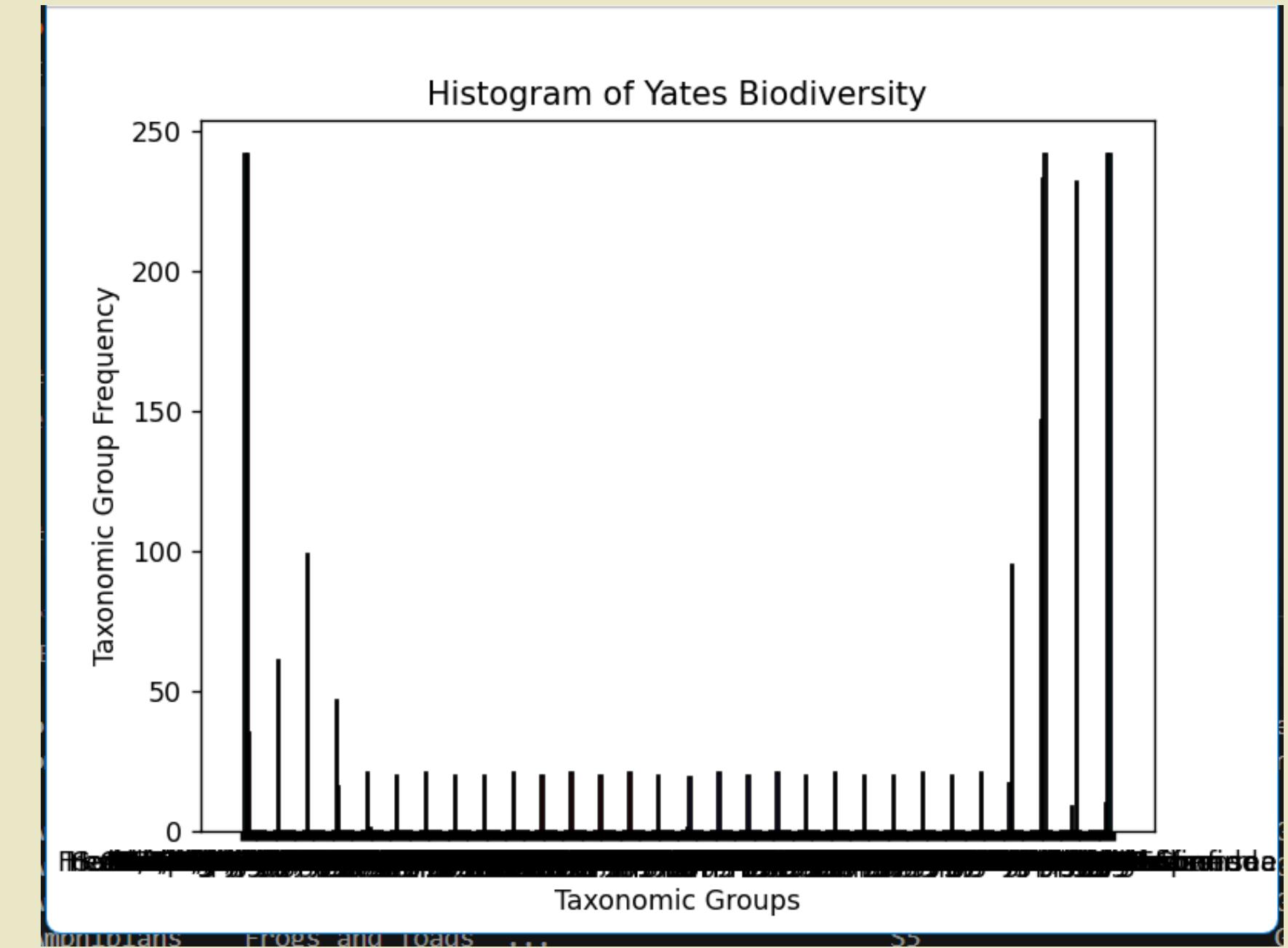
Test Data

County	Category	Taxonomic Group	Taxonomic Subgroup	...	Distribution Status
Yates	Animal	Amphibians	Recently Confirmed
Yates	Animal	Amphibians	Recently Confirmed
Yates	Animal	Amphibians	Recently Confirmed
Yates	Animal	Beetles	Recently Confirmed
...
Yates	Plant	Ferns and Fern Allies	Historically Confirmed
Yates	Plant	Flowering Plants	Possible but not Confirmed
Yates	Plant	Flowering Plants	Historically Confirmed
Yates	Plant	Flowering Plants	Historically Confirmed
Yates	Plant	Mosses	Recently Confirmed

Output



Line plot visualization in the parent class



Histogram visualization in the parent class

Log File(s)

For ease of debugging and organization's sake, there are two log files:

- scientificCategory.log
- organism.log

These files track the logging for the .py file with the same name

The screenshot shows a code editor interface with two tabs open. The top tab is titled "organism.py 2, M" and the bottom tab is titled "scientificCategory.log". Both tabs show log entries. The "organism.log" tab contains log entries from line 12242 to 12252. The "scientificCategory.log" tab contains log entries from line 12 to 27. The log entries are color-coded by level: INFO (blue) and DEBUG (orange). The log entries for "organism.log" are mostly INFO messages, while "scientificCategory.log" has a mix of INFO and DEBUG messages.

File	Line Number	Level	Message
organism.log	12242	INFO	__main__:Visualize data distributions in a histogram...
	12243	DEBUG	__main__:Not displaying histogram.
	12244	INFO	__main__:Visualize data distributions in a histogram...
	12245	DEBUG	__main__:Not displaying histogram.
	12246	INFO	__main__:Visualize data distributions in a histogram...
	12247	DEBUG	__main__:Not displaying histogram.
	12248	INFO	__main__:Visualize data distributions in a histogram...
	12249	DEBUG	__main__:Not displaying histogram.
	12250	INFO	__main__:Visualize data distributions in a histogram...
	12251	DEBUG	__main__:Not displaying histogram.
scientificCategory.log	12	DEBUG	__main__:NOT loading pickle file.
	13	INFO	__main__:Reading csv file and storing into a dataframe...
	14	DEBUG	__main__:Not loading csv file.
	15	INFO	__main__:Reading pickle file and storing into a dataframe...
	16	DEBUG	__main__:Not loading pickle file.
	17	INFO	__main__:Reading csv file and storing into a dataframe...
	18	DEBUG	__main__:Not loading csv file.
	19	INFO	__main__:Reading pickle file and storing into a dataframe...
	20	DEBUG	__main__:Not loading pickle file.
	21	INFO	__main__:Reading csv file and storing into a dataframe...
	22	DEBUG	__main__:Not loading csv file.
	23	INFO	__main__:Reading pickle file and storing into a dataframe...
	24	DEBUG	__main__:Not loading pickle file.
	25	INFO	__main__:Reading csv file and storing into a dataframe...
	26	INFO	__main__:Reading pickle file and storing into a dataframe...
	27	DEBUG	__main__:Not loading pickle file.

Task Progress Report

Date	Task Name	Task Description	Status	Person
4/17/2024	Parent Class Histogram	Create a method that shows data from parent class with a histogram	In Progress	Aubrey
4/17/2024	Parent Class Line Plot	Create a method that shows data from parent class with a line plot	Done	Chloe
4/16/2024	Query data for searching within Parent Class	Create a method that will allow	Done	Carrington
4/16/2024	Child Class Initial Set Up	Declare all methods and variables needed	Done	Carrington
4/16/2024	Child class reading data	Read data from a csv file and store in dataframe	Done	Carrington

Task Progress Report (cont.)

Date	Task Name	Task Description	Status	Person
04/12/2024	Creation of the PA2 PDF		Done	Aubrey, Julie
04/12/2024	Reorganizing Flow Diagram		Done	Aubrey, Carrington, Chloe
04/12/2024	Creation of Class Diagram		Done	Aubrey, Chloe
04/08/2024	Implement config.py	Declare constants that are used in the rest of the program here	Done	Carrington
04/13/2024	Parent Class Intial Set up	Declare all functions and variables needed	Done	Carrington, Aubrey
4/16/2024	Parent Class Store configuration	Use a dictionary to store configuration constants	Done	Carrington