Team Derek!

Square Derek, Triangle Derek, Circle Derek, maybe Derek-X if he shows up.

Fish Catch Analytics Goals

Is there a positive correlation with fish weight to any of the other 7 attributes taken?

Can we create a model that can predict fish weight given the other variables?

MLF Fish Catch Data from 2022 Redcrest Tournament

The catch data is unique to each fish caught and consist of 8 data entries:

ANGLER, SPECIES, WEIGHT, BAIT, AREA, COVER, DEPTH, TIME

I plan use a screen scrape to pull the data from the MLF website, clean the data in python,

Text

Description automatically generated

Tasks to Accomplish

Use python to scrape the MLF website and pull the data into pandas data frames

Clean data frames if needed

Save data to csv

Create a scatter plot of all the fish weights vs each of the other attributes in Tableau.

Create interactive dashboard in Tableau to look through data

Create database and store csv data in PgAdmin

Train a machine learning model on the first days of the tournament and try to predict the weights of the championship day.

Present Findings!!!

Stretch Goals

Try to make everything flexible enough to expand to future tournaments.

If I feel ambitious, I will try to add a second data set of weather data from each day of the tournament.