Owrasse_Underwater_Behavior

Quick Intro

This quarto document contains the code used to visualize data from UW_Nest_Behavioral_Cleaned. The goals of this project is to understand what factors influence the mating decisions that female Ocellated wrasse make. What makes *Symphodus ocellatus* (the ocellated wrasse) interesting is their 3 different male reproductive tactics. Additionally, there are large amounts of mate choice copying from the females, so much so that a male is up significantly more likely to spawn with a female if she observes another female with him (Alonzo 2008).

The data used was collected live underwater by SCUBA divers in Corsica, Fr, in a 10 minute period.

```
#Install and library important packages
#install.packages('ggplot2')
#install.packages('here')
#install.packages('tidyverse')
#install.packages('readxl')
library(tidyverse)
```

```
Warning: package 'dplyr' was built under R version 4.2.3


-- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.6
v forcats   1.0.1     v stringr   1.6.0
v ggplot2   4.0.1     v tibble    3.3.0
v lubridate 1.9.4     v tidyr     1.3.2
v purrr     1.2.0
-- Conflicts ------------------------------------- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```r
library(here)
```

```
here() starts at /Users/jacobchung/coding_projects/Owrasse_Underwater_Behavioral_Sheet
```

```r
library(ggplot2)
library(readxl)
```

Importing the data sheet

```r
behavior_sheet <- read.e
```