

# Lump Manuscript Figures

Sophie Wulfinf

12 June, 2024

Table 1: Data points and year spanned per source of all data points

Data Code	Years Spanned	Number of datapoints
MA_DMF	1978-2021	120
ME_DMR	2000-2021	1357
NH_FG	1997-2015	104
NOAA_Observer	1989-2021	9912
NEFSC	1963-2021	649
TOTAL	1963-2021	12142

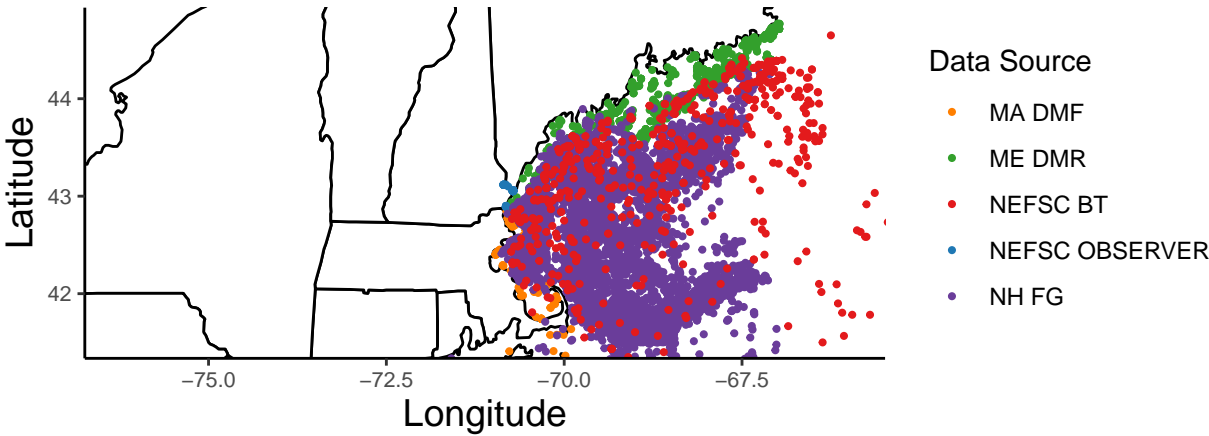


Figure 1: Datapoints per source

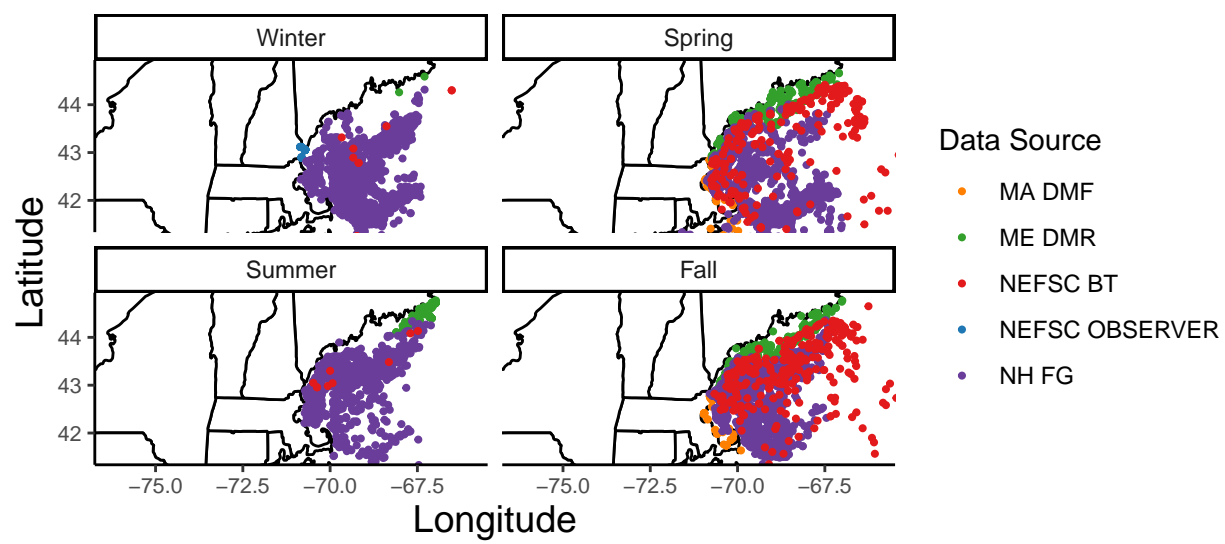


Figure 2: Datapoints per season

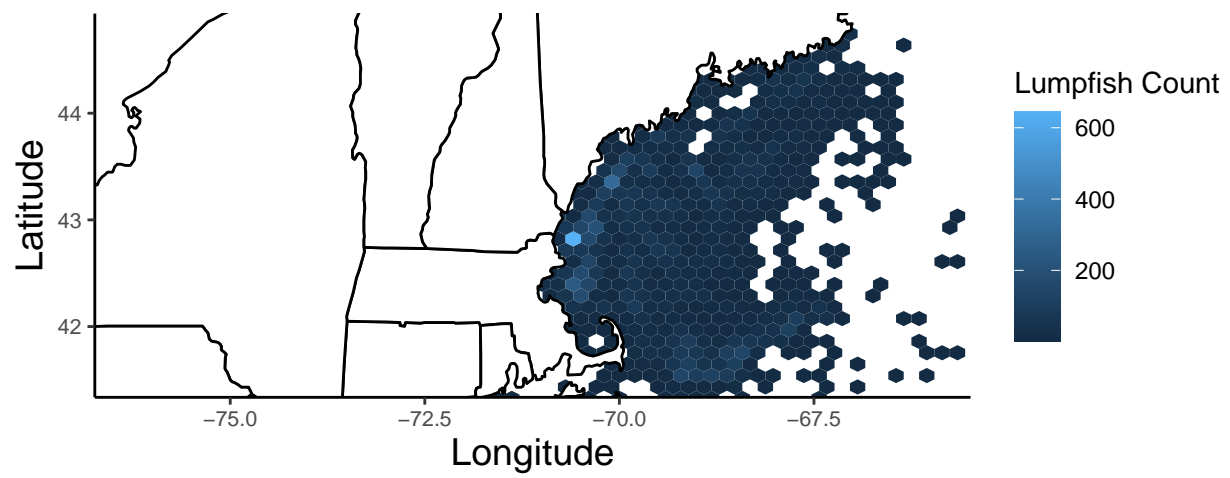


Figure 3: Distribution of Lumpfish from all datasets

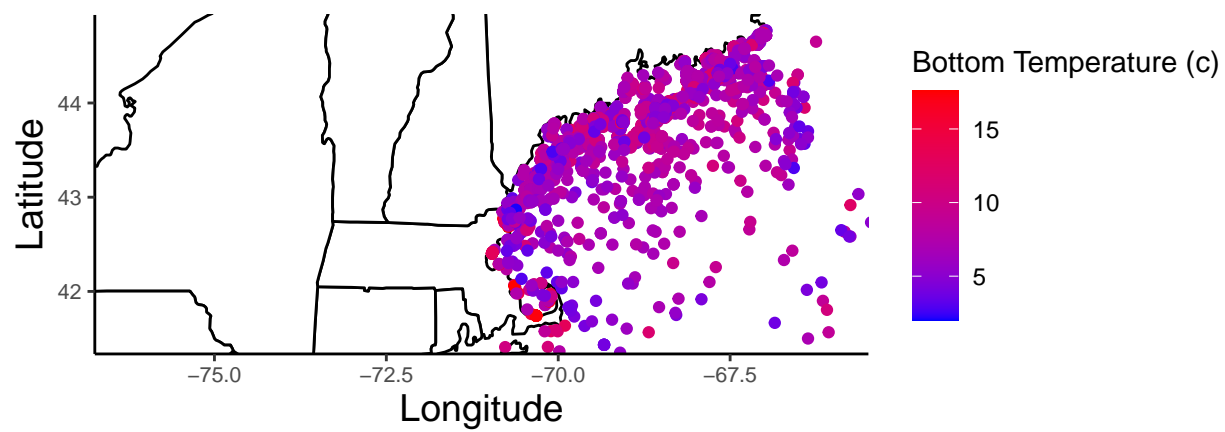


Figure 4: Bottom temperature of catch

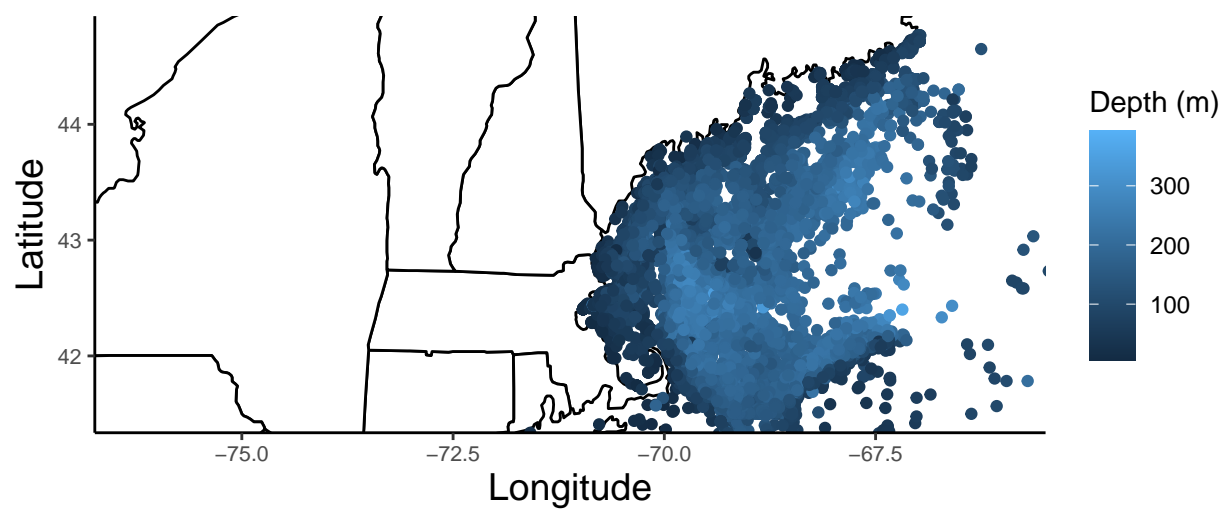


Figure 5: Depth of each lumpfish occurrence

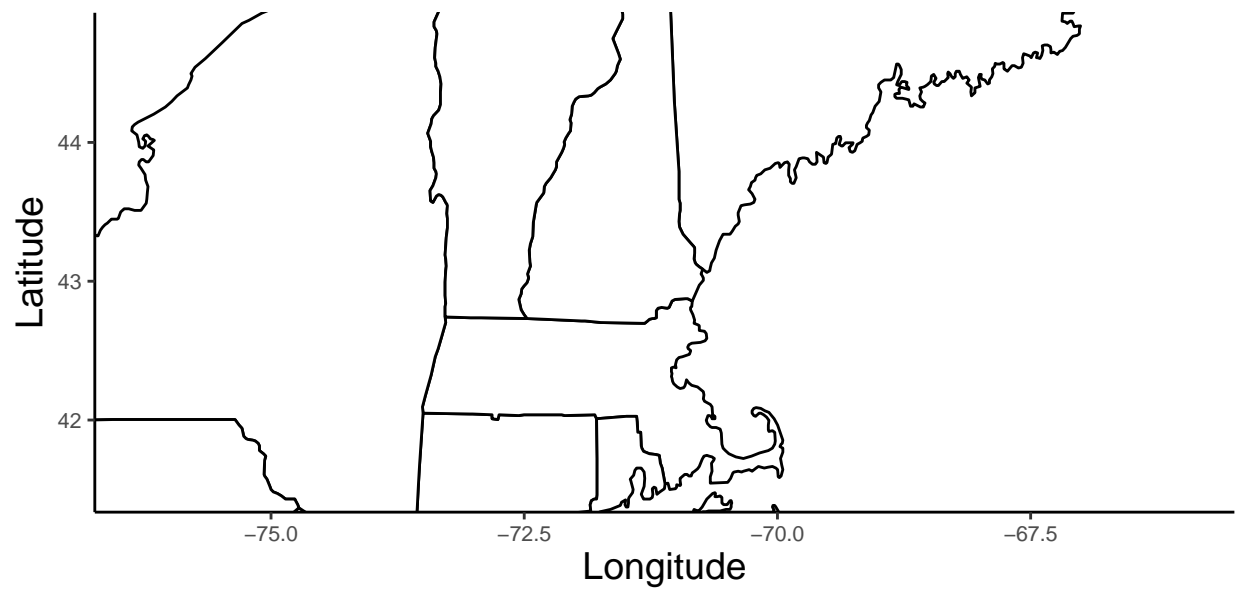


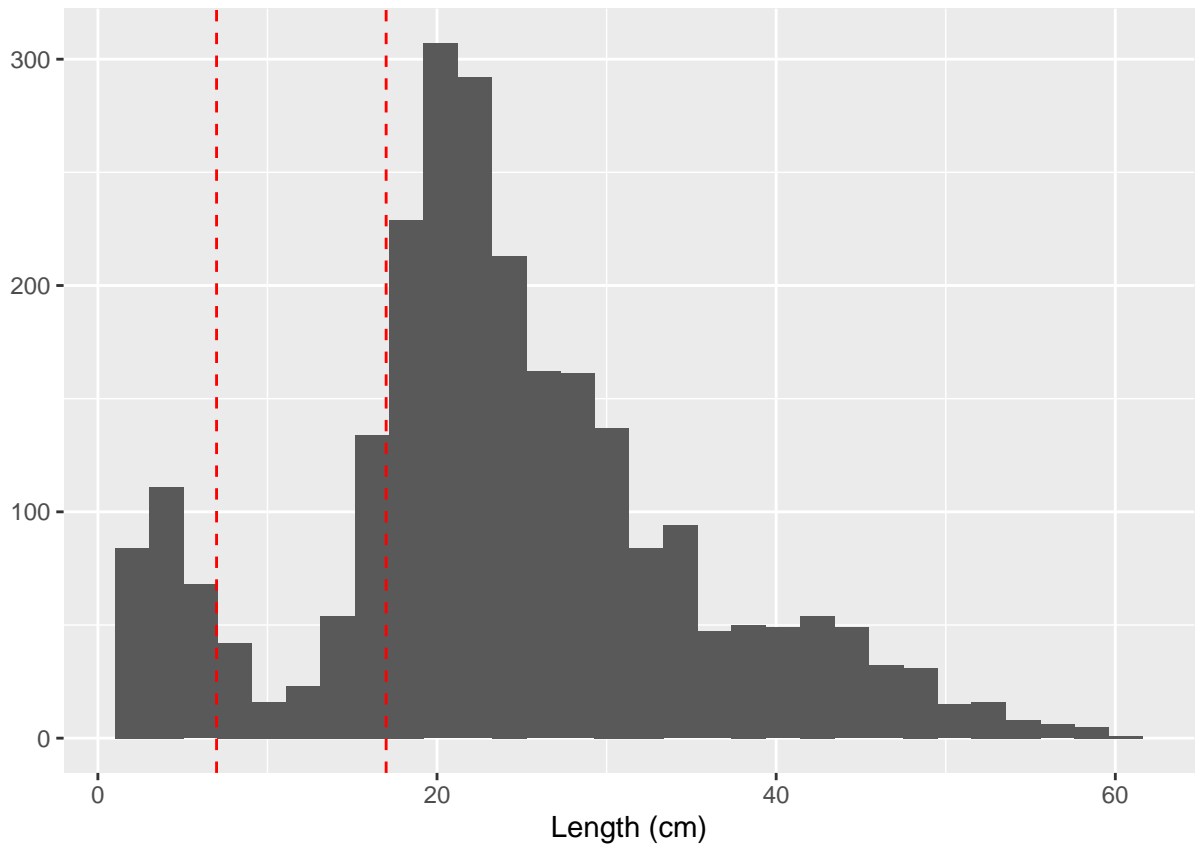
Figure 6: Bottom temperature of catch in NEFSC BT dataset

Table 2: Number of fish caught per geartype in NEFSC Observer Data

Gear Type	Count
TRAWL,OTTER,BOTTOM,FISH	8885
GILL NET, FIXED OR ANCHORED,SINK, OTHER/NK SPECIES	640
TRAWL,OTTER,MIDWATER PAIRED	103
DREDGE, SCALLOP,SEA	58
TRAWL,OTTER,MIDWATER	54
TRAWL,OTTER,BOTTOM,SHRIMP	48
GILL NET,DRIFT-SINK, FISH	47
TRAWL,OTTER,BOTTOM,HADDOCK SEPARATOR	46
TRAWL,OTTER,BOTTOM,TWIN	10
TRAWL,OTTER,BOTTOM PAIRED	6
LOGLINE, BOTTOM	5
DREDGE, OTHER/NK SPECIES	2
POT/TRAP, LOBSTER OFFSH NK	2
SCOTTISH SEINE	2
TRAWL,OTTER,BOTTOM,RUHLE	2
HANDLINE	1
TRAWL,SHRIMP,TWINNED	1

## Age and Bayesian Weights

Note: Datapoints without lengths were excluded from the following as there was no way to calculate Bayes Weights or Ages





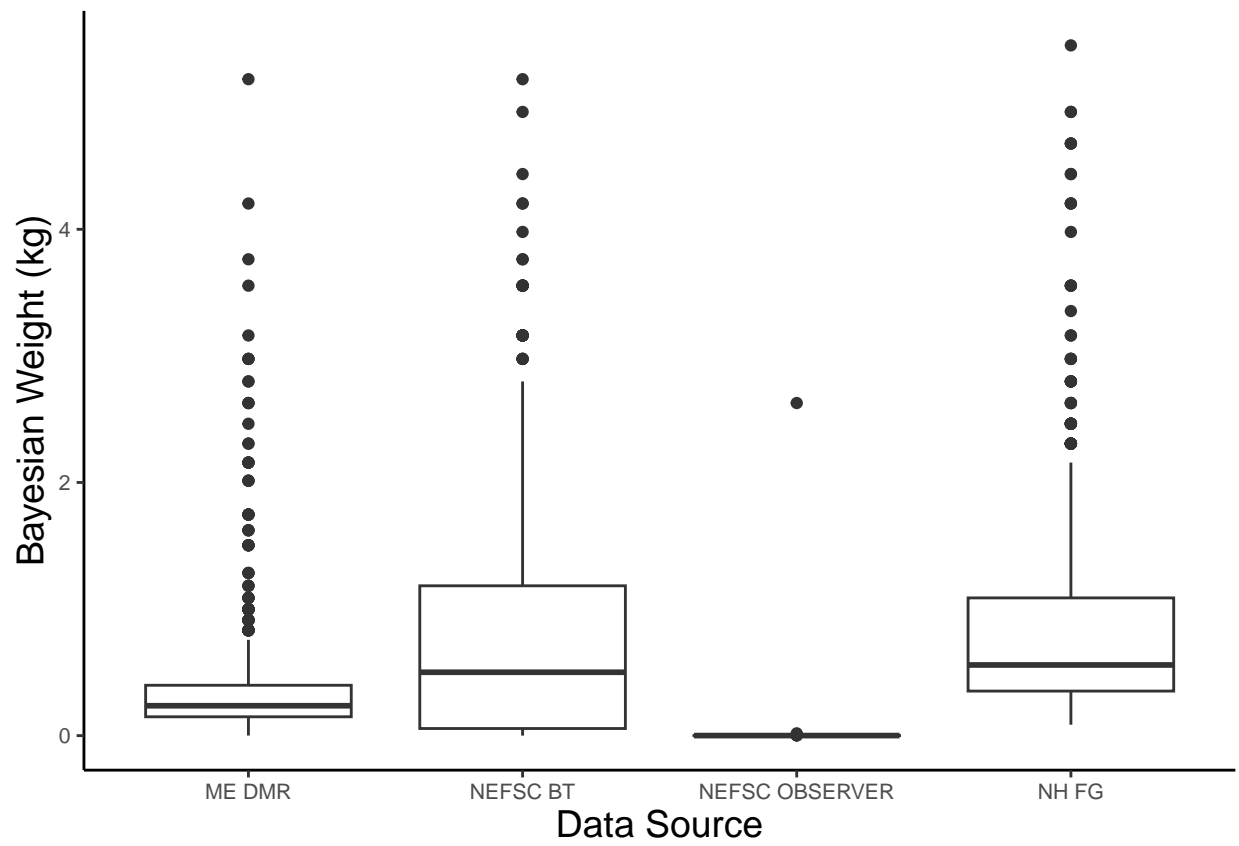


Figure 7: Range of calculated Bayesian weights per datasource. MA DMF did not report lengths so were not included in this graph

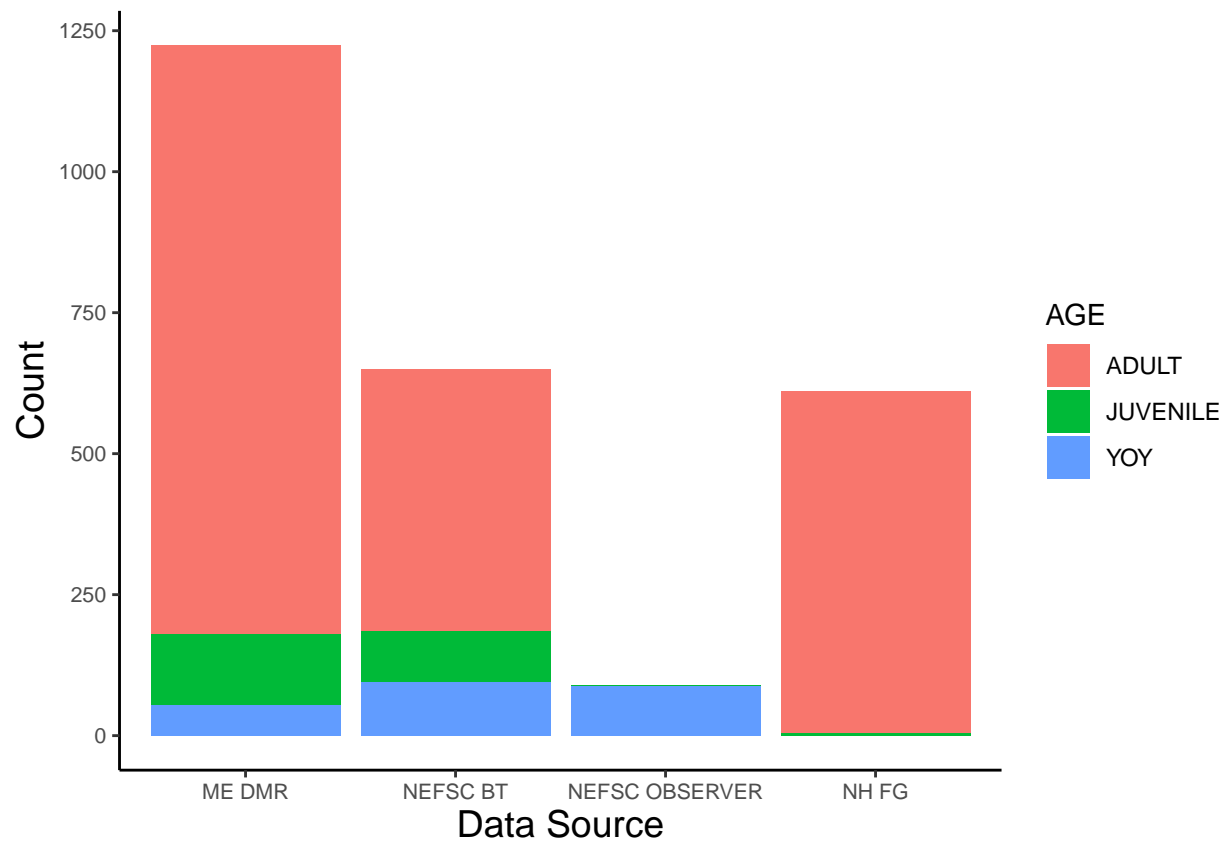


Figure 8: Age of fish caught by each Data Source. MA DMF did not report lengths so were not included in this graph

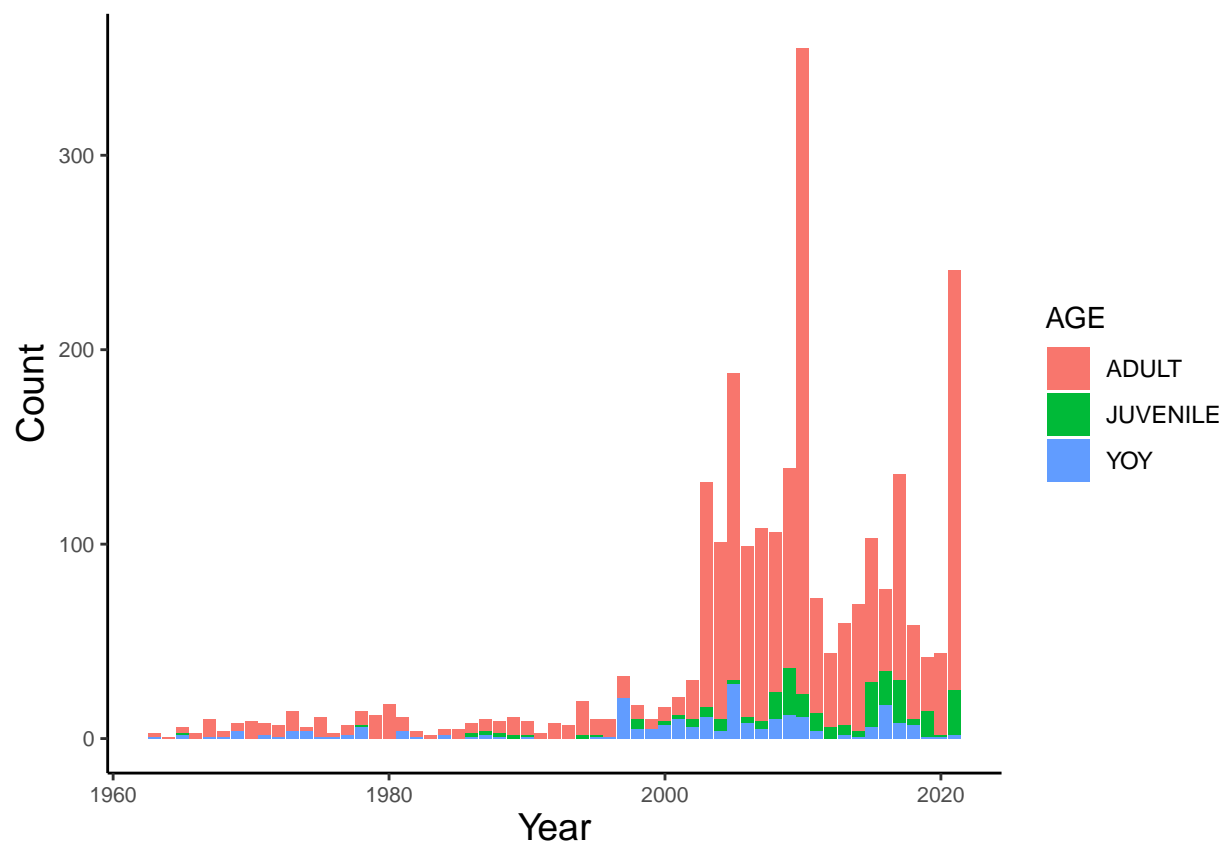


Figure 9: Number of datapoints per year separated by age

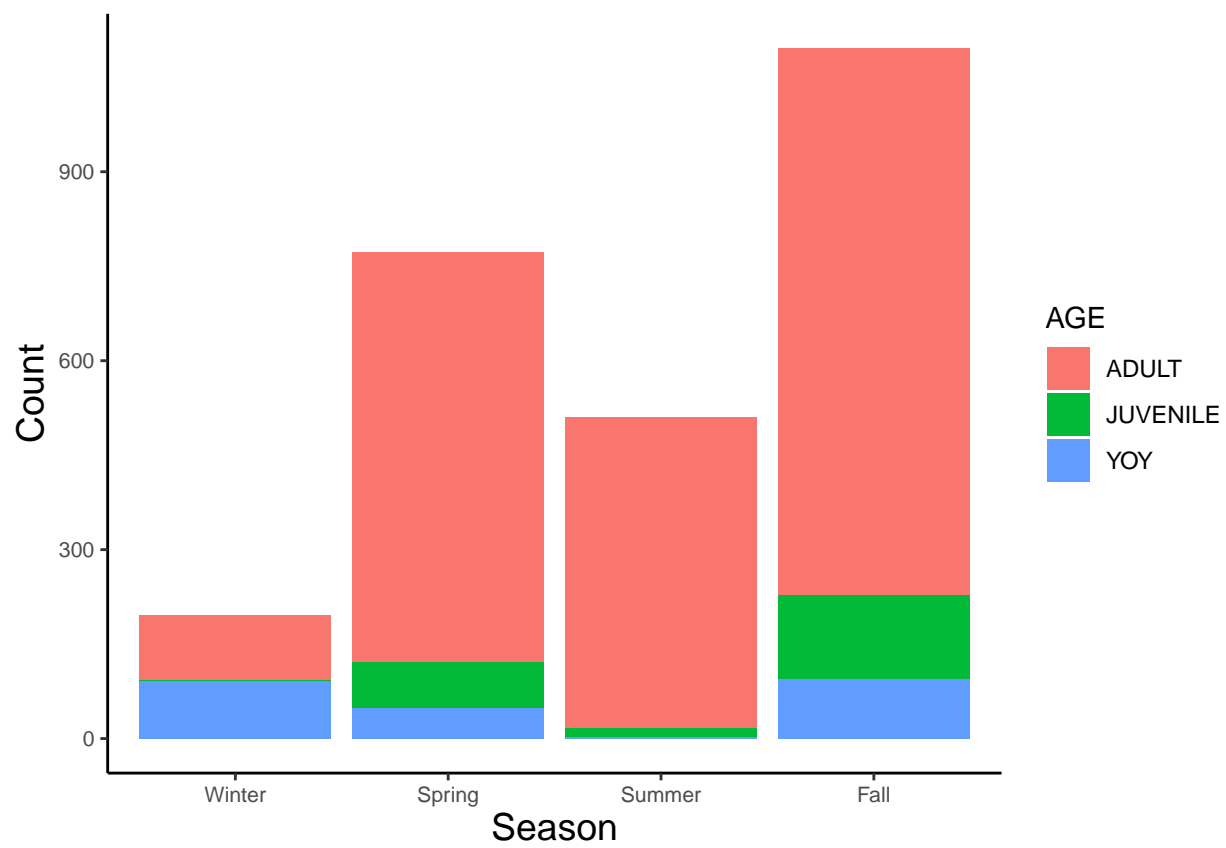


Figure 10: Number of datapoints per season separated by age

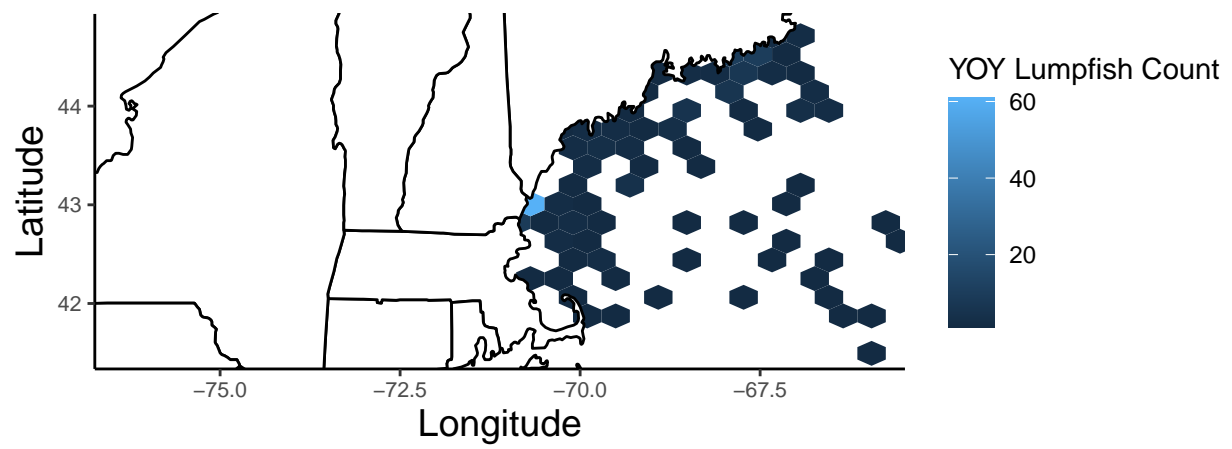


Figure 11: Distribution of YOY Lumpfish

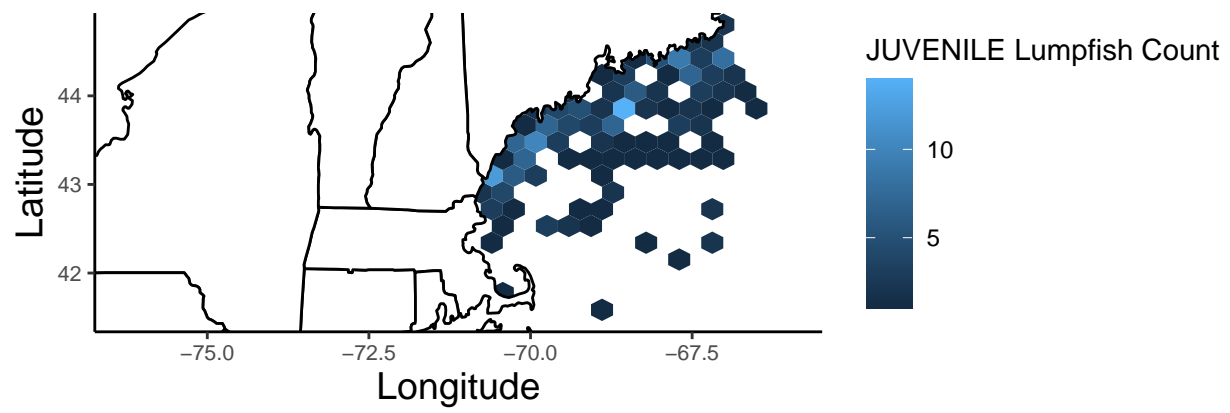


Figure 12: Distribution of Juvenile Lumpfish

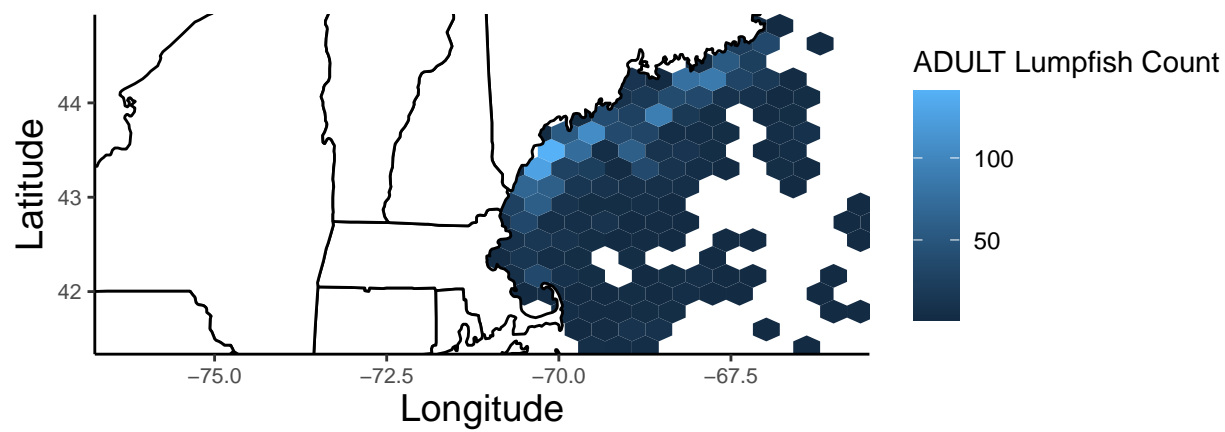


Figure 13: Distribution of Adult Lumpfish