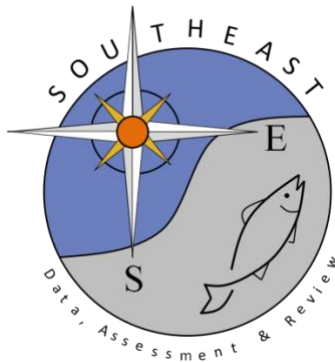


SEDAR Metadata and QAQC

FWRI – Fisheries Independent Monitoring

SEDAR85-WP-01

17 January 2023



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SEDAR Metadata and QAQC

FWRI - Fisheries Independent Monitoring

12/15/22

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Checklists

Table 1: QA/QC checklist

Completed (Y/N)	Item
	Valid field codes
	Valid field formats
	Correct spelling
	Morphometrics reasonable for species
	Required units for morphometrics
	Review outliers
	Undersized fish – describe why in dataset

Table 2: Summary table checklist

Completed (Y/N)	Note	Tables (# of age samples)
Y		Year
N	N/A	State Landed
N	N/A	Fishing_Mode
Y		Gear_Group_Code
N	N/A	Fishing_Mode & Gear_Group_Code

Table 3: Exploratory data analysis checklist

Completed (Y/N)	EDA; use this procedure to identify and flag outliers
Y	Scatterplot: SL vs TL, SL vs FL, FL vs TL
Y	Scatterplot: weight vs length
N/A	Scatterplot: whole_weight vs gutted_weight
Y	Scatterplot: weight vs age
Y	Scatterplot: length vs age
Y	Boxplot: length vs gear, length vs year
Y	Boxplot: weight vs gear, weight vs year
Y	Boxplot: age vs gear, age vs year
Y	Length frequency by year (25 mm bins)

SEDAR metadata

Years collected: 2008 through 2018

Species: *Hyporthodus flavolimbatus*

Sampling: SS

Type of data: Age

Spatial Coverage: Gulf of Mexico

Number and type of *Hyporthodus flavolimbatus* age structures: 16 otoliths, 1 spines

Total number of age structures collected and aged: 17

Remaining samples were unreadable or unusable.

Number of sampling units in data set: 13

Contributor: Fish and Wildlife Research Institute, Fisheries Independent Monitoring Group, St. Petersburg, Florida

Table 4: Number of aged *Hyporthodus flavolimbatus* by year, gear, and stock

Year	TR_GoM	TW_GoM	HL_GoM
2008	2		
2010		1	
2015	1		3
2017			5
2018			5

Exploratory data analysis

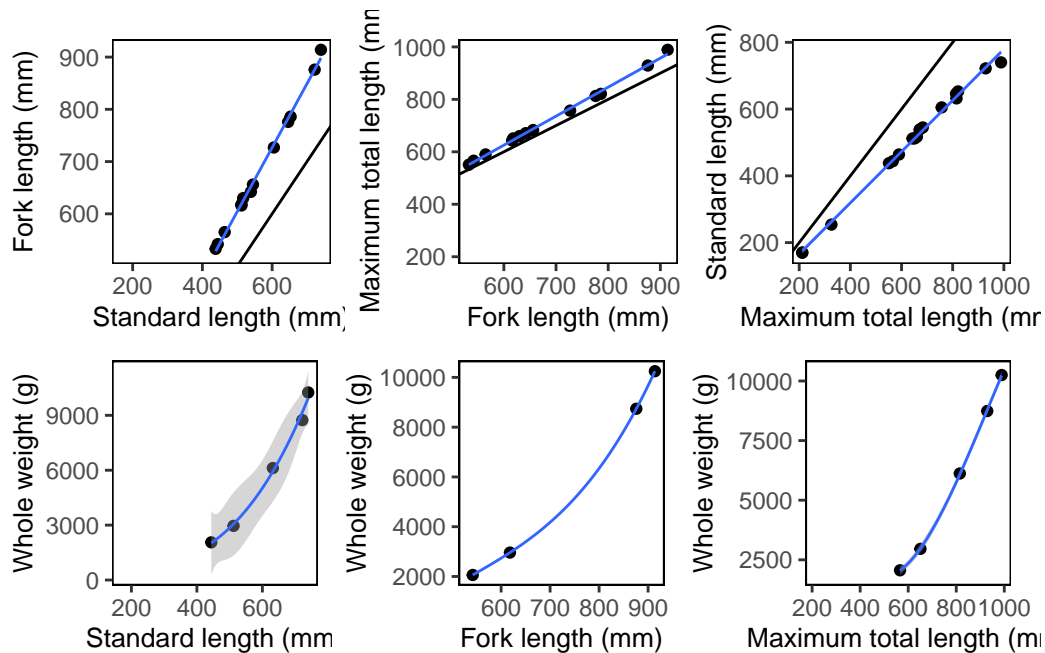


Figure 1: Length and weight scatterplots

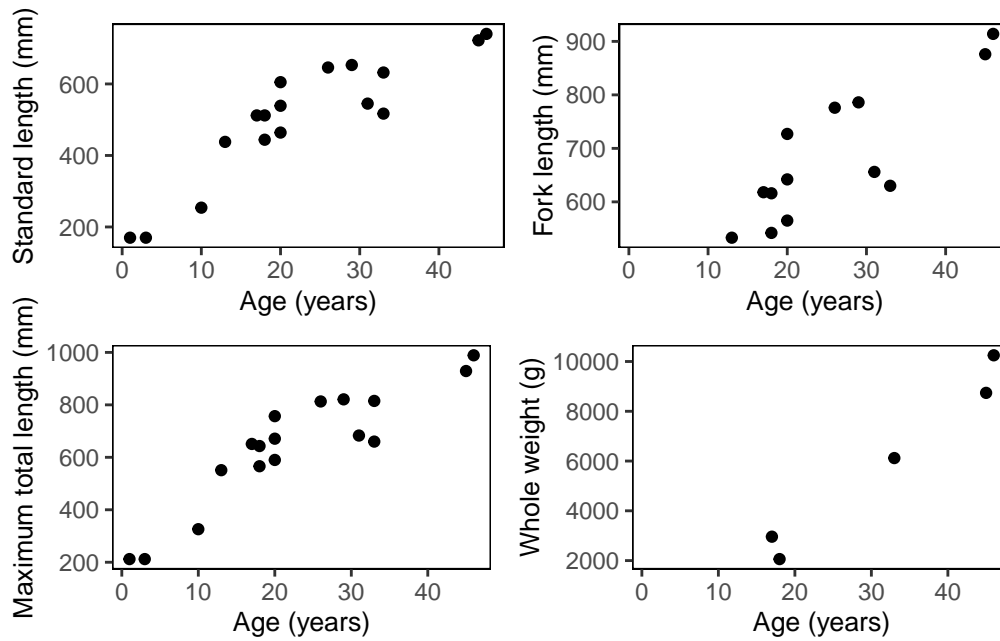


Figure 2: Length and weight at age scatterplots

Table 5: Mean length at age of *Hyporthodus flavolimbatus*

Final_Age	n	mean	sd	min	Q1	median	Q3	max
1	1	170.0		170	170.00	170.0	170.00	170
3	1	170.0		170	170.00	170.0	170.00	170
10	1	254.0		254	254.00	254.0	254.00	254
13	1	438.0		438	438.00	438.0	438.00	438
17	1	512.0		512	512.00	512.0	512.00	512
18	2	478.0	48.08	444	461.00	478.0	495.00	512
20	3	536.0	70.55	464	501.50	539.0	572.00	605
26	1	646.0		646	646.00	646.0	646.00	646
29	1	653.0		653	653.00	653.0	653.00	653
31	1	545.0		545	545.00	545.0	545.00	545
33	2	574.5	81.32	517	545.75	574.5	603.25	632
45	1	722.0		722	722.00	722.0	722.00	722
46	1	740.0		740	740.00	740.0	740.00	740

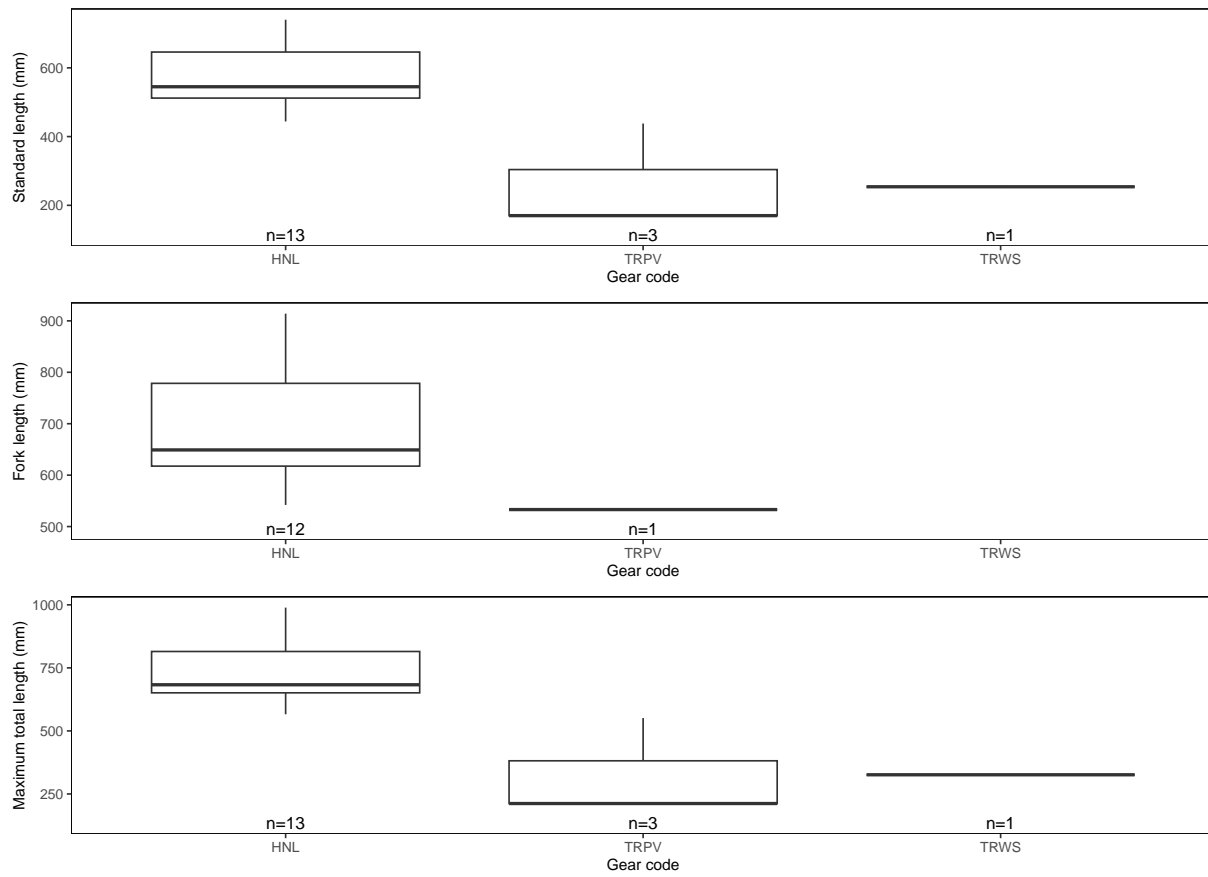


Figure 3: Length boxplots

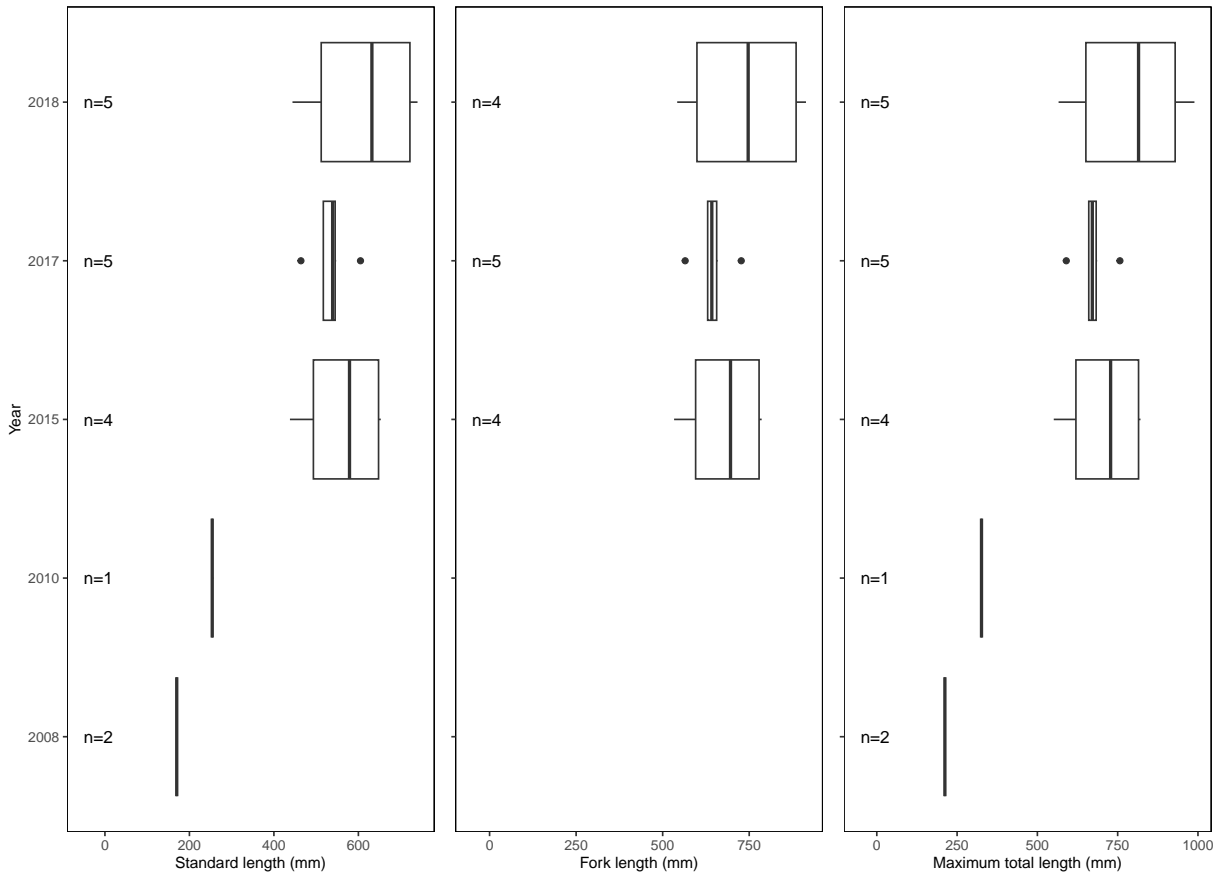


Figure 4: Length boxplots

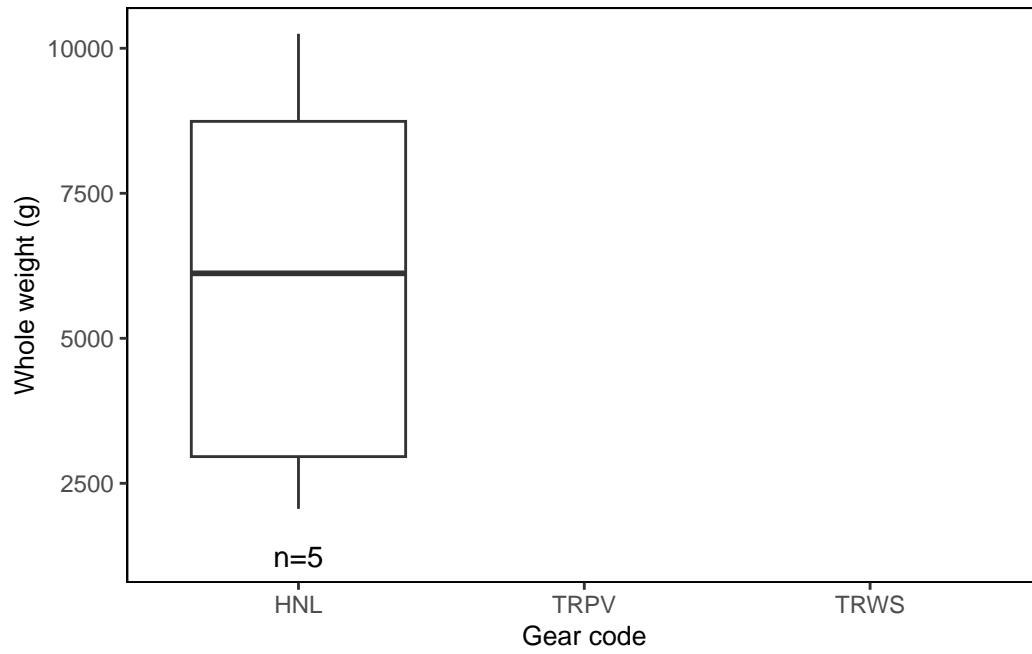


Figure 5: Weight boxplots

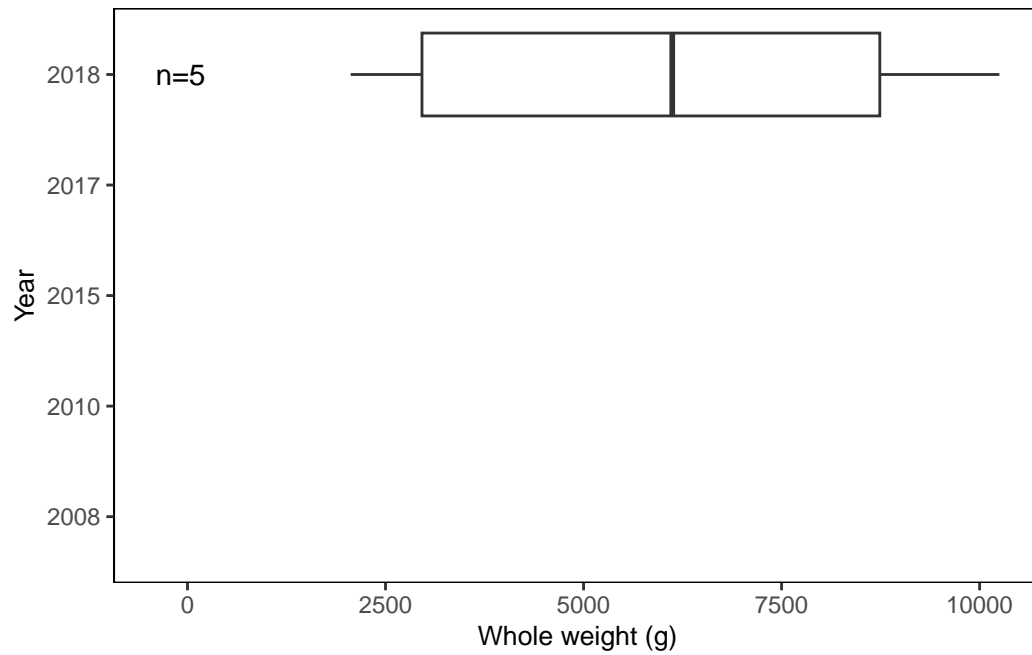


Figure 6: Weight boxplots

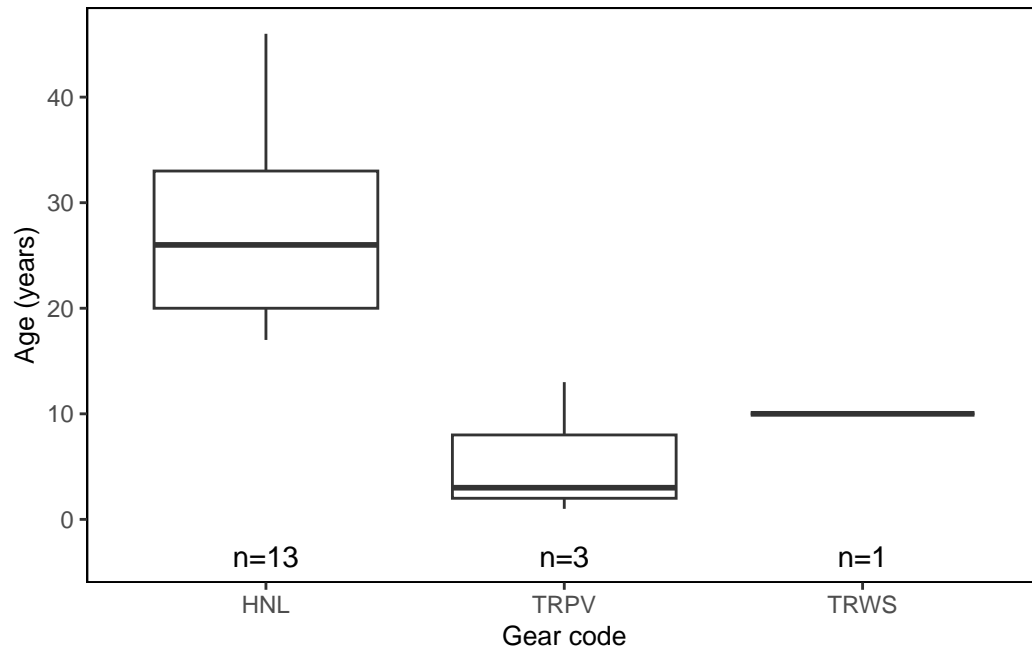


Figure 7: Age boxplots

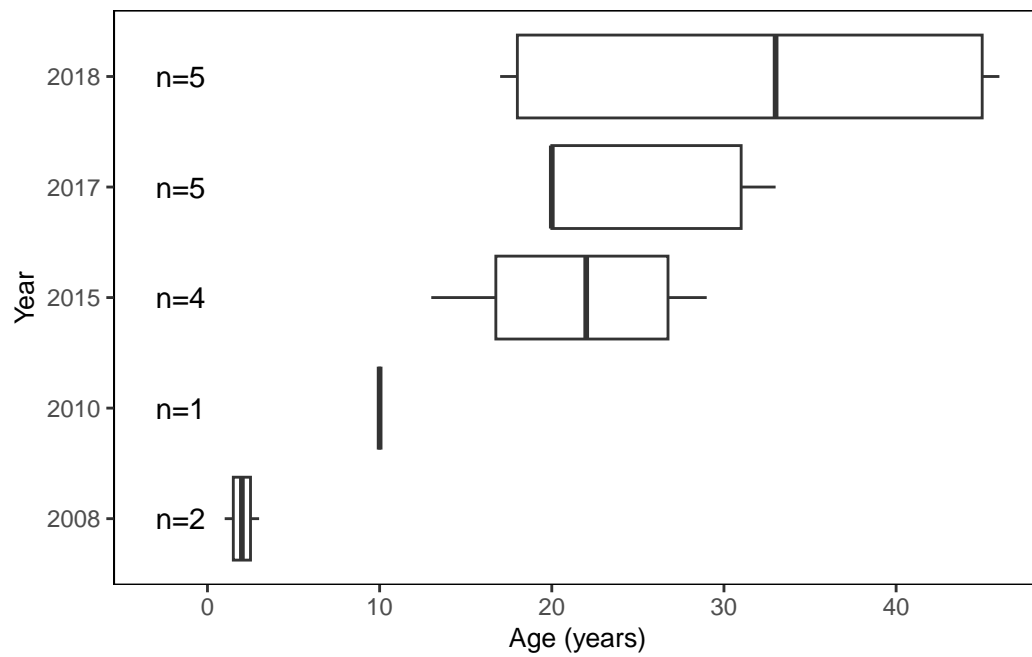


Figure 8: Age boxplots

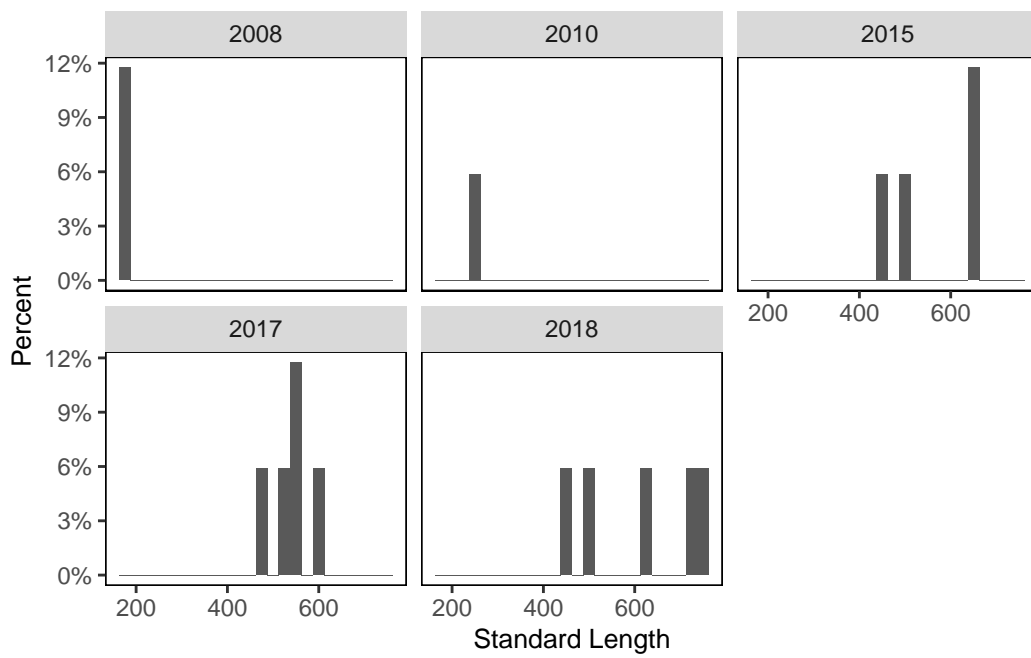


Figure 9: Length frequency by year