

# Stock Assessment Report Template

FIRST LAST<sup>1</sup>

1. NOAA Fisheries, ADDRESS, CITY, POSTAL CODE



U.S. Department of Commerce  
National Oceanic and Atmospheric Administration  
National Marine Fisheries Service

## Table of contents

1	Executive Summary	4
1.1	Assessment Model . . . . .	4
1.2	Reference Points, Stock Status, and Projections . . . . .	4
2	Introduction	5
2.1	Stock ID . . . . .	5
2.2	Management History . . . . .	5
2.3	Fishery Descriptions . . . . .	5
2.4	Ecosystem Considerations . . . . .	5
3	Data	6
3.1	Life History . . . . .	6
3.2	Catch . . . . .	6
3.3	Indices and Standardization . . . . .	6
3.4	Composition Data . . . . .	6
3.5	Absolute Abundance . . . . .	6
3.6	Environmental/Ecosystem Indicator Data . . . . .	6
4	Assessment	7
4.1	Current Modeling Approach . . . . .	7
4.2	Configuration of the Base Model . . . . .	7
4.3	Bridging . . . . .	7
4.4	Modeling Results . . . . .	8
4.4.1	Parameter Estimates . . . . .	8
4.4.2	Time Series . . . . .	8
4.4.3	Model Fits . . . . .	8
4.4.4	Model Diagnostics . . . . .	8
4.5	Sensitivity Analyses . . . . .	9
4.6	Management Benchmarks . . . . .	10
4.7	Projections . . . . .	11
5	Discussion	12
6	Acknowledgements	13
7	References	14
8	Tables	15

9	Figures	16
A	Appendices	19

## List of Figures

1	Biomass (B) time series. The horizontal dashed line represents the limit reference point (msy mt). . . . .	16
2	Model-estimated population numbers at age and population biomass at age over time. The relative size of each bubble for a given year and age indicates the relative abundance or biomass in that category compared with others. . . . .	17
3	Fishery age composition (1874-2034). The area of the circle is proportional to the catch. Diagonal lines indicated the top 5% strongest year classes. . . . .	17
4	Model estimate of population numbers at age over time. The relative size of each bubble for a given year and age indicates the relative abundance in that category compared with others. . . . .	18
5	Annual deviations (on natural log scale) in the number of newly recruited fish the model estimates each year. . . . .	18
6	Model-estimated spawning stock biomass (SSB) time series. The horizontal dashed line represents the spawning stock biomass associated with the biomass limit reference point (msy mt). . . . .	19
7	External image that already has a png extension . . . . .	20

## List of Tables

1	This is my cool caption for a gt table. . . . .	15
3	This is my cool caption for a kbl table. . . . .	15
2	This is my cool caption for a kable table. . . . .	15

## Acronyms

ABC acceptable biological catch. 4

NWFSC Northwest Fisheries Science Center. 4

## Disclaimer

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[AUTHOR NAME]. [YEAR]. Stock Assessment Report Template. National Marine Fisheries Service, [CITY], [STATE]. 20 pp.

# 1 Executive Summary

## 1.1 Assessment Model

## 1.2 Reference Points, Stock Status, and Projections

acceptable biological catch (ABC) Northwest Fisheries Science Center (NWFSC)

## 2 Introduction

Testing adding in an introduction for species. There is currently no read of parameters for child documents.

### 2.1 Stock ID

### 2.2 Management History

### 2.3 Fishery Descriptions

### 2.4 Ecosystem Considerations

Ecosystem considerations and/or climate indicators were not included in this assessment.

## 3 Data

### 3.1 Life History

### 3.2 Catch

### 3.3 Indices and Standardization

### 3.4 Composition Data

### 3.5 Absolute Abundance

### 3.6 Environmental/Ecosystem Indicator Data



## 4 Assessment

### 4.1 Current Modeling Approach

### 4.2 Configuration of the Base Model

### 4.3 Bridging

## 4.4 Modeling Results

### 4.4.1 Parameter Estimates

### 4.4.2 Time Series

### 4.4.3 Model Fits

### 4.4.4 Model Diagnostics

## 4.5 Sensitivity Analyses

## 4.6 Management Benchmarks

## 4.7 Projections

## 5 Discussion

## 6 Acknowledgements

This document was produced using the R package asar (Schiano et al. 2025), which is free to use and publicly available on [GitHub](#).

## 7 References

Schiano, S., Breitbart, S., and Saul, S. 2025. Asar: Build NOAA stock assessment report. Available from <https://github.com/nmfs-ost/asar>.



Table 1: This is my cool caption for a gt table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

Table 3: This is my cool caption for a kbl table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

## 8 Tables

Table 2: This is my cool caption for a kable table.

label	year	estimate	fleet
landings_observed_weight	NA	0	North
landings_predicted_weight	NA	0	North
landings_observed_weight	1876	0	North
landings_predicted_weight	1876	0	North
landings_observed_weight	1877	0	North
landings_predicted_weight	1877	0	North

9 Figures

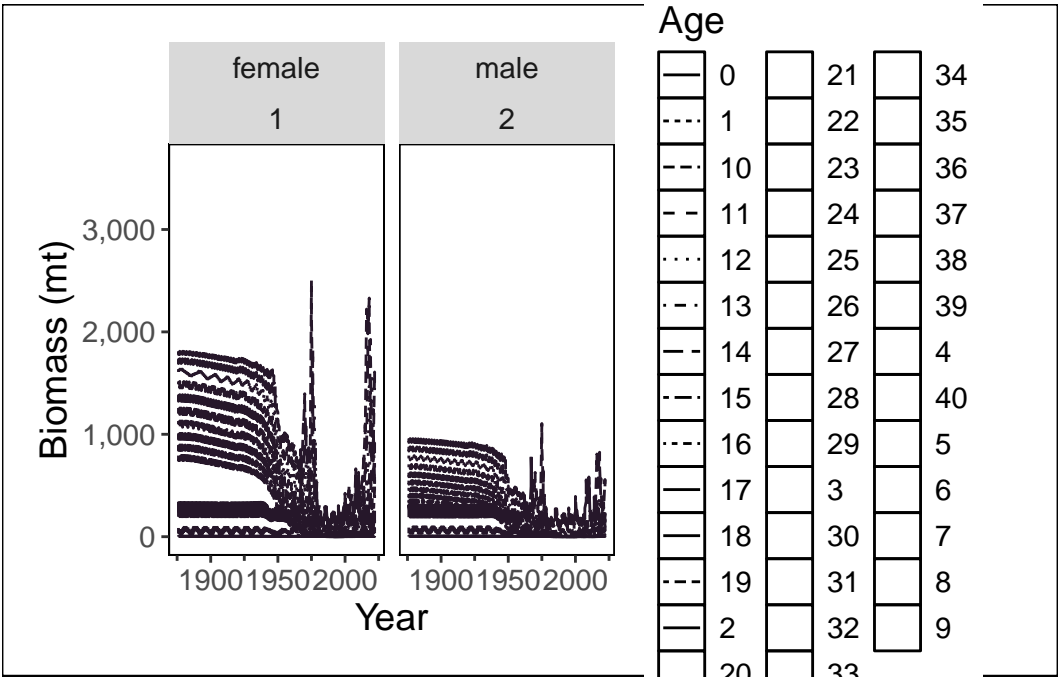


Figure 1: Biomass (B) time series. The horizontal dashed line represents the limit reference point (msy mt).

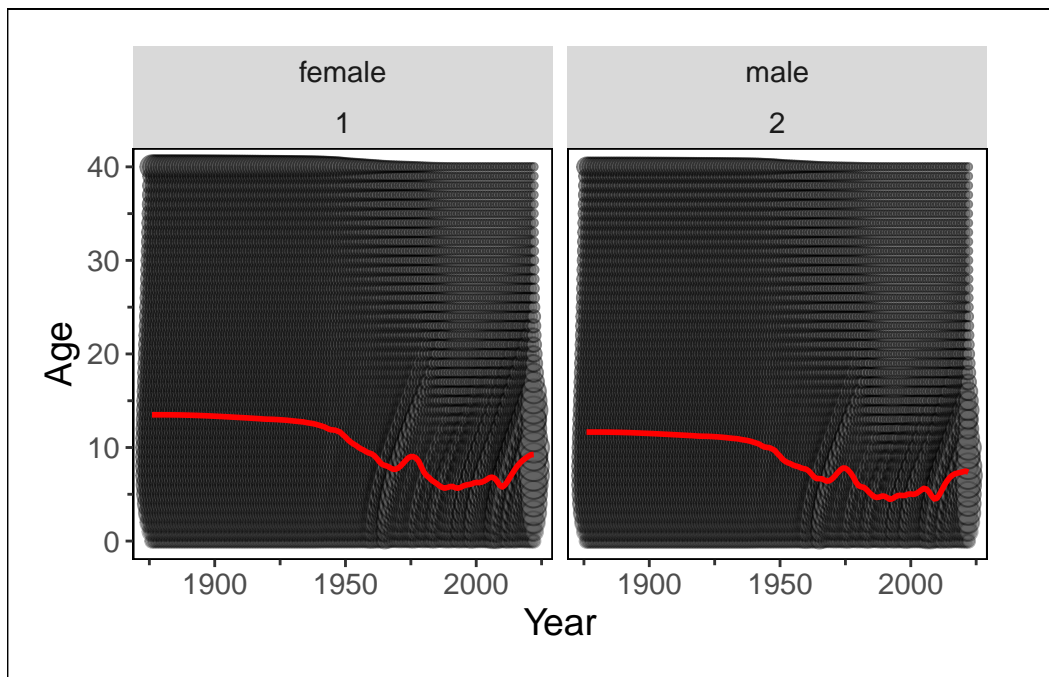


Figure 2: Model-estimated population numbers at age and population biomass at age over time. The relative size of each bubble for a given year and age indicates the relative abundance or biomass in that category compared with others.

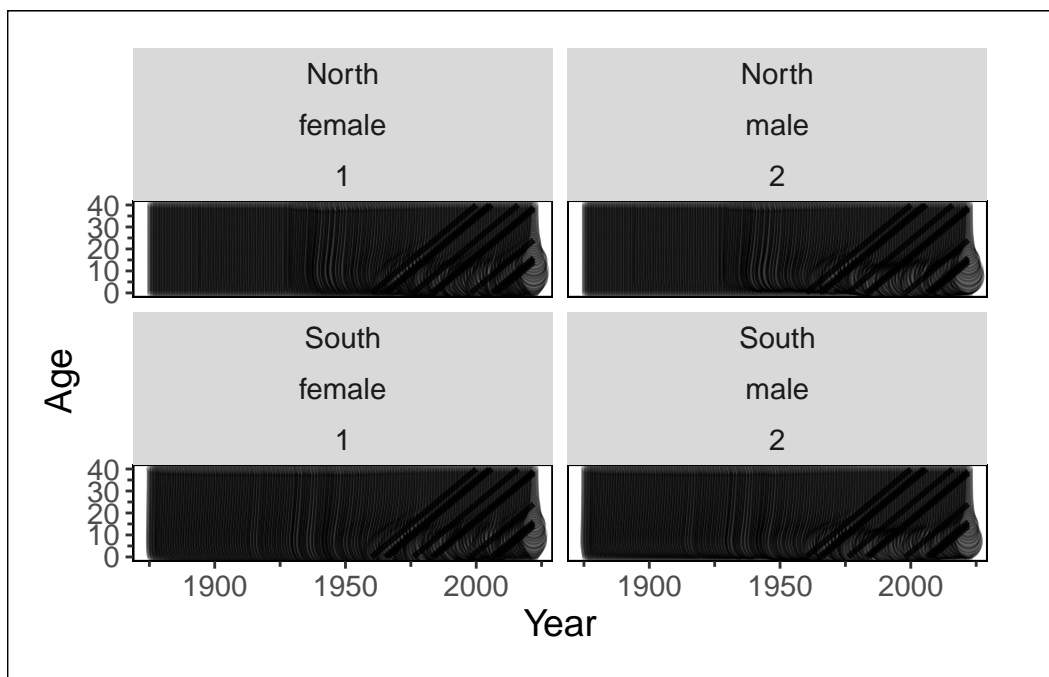


Figure 3: Fishery age composition (1874-2034). The area of the circle is proportional to the catch. Diagonal lines indicated the top 5% strongest year classes.

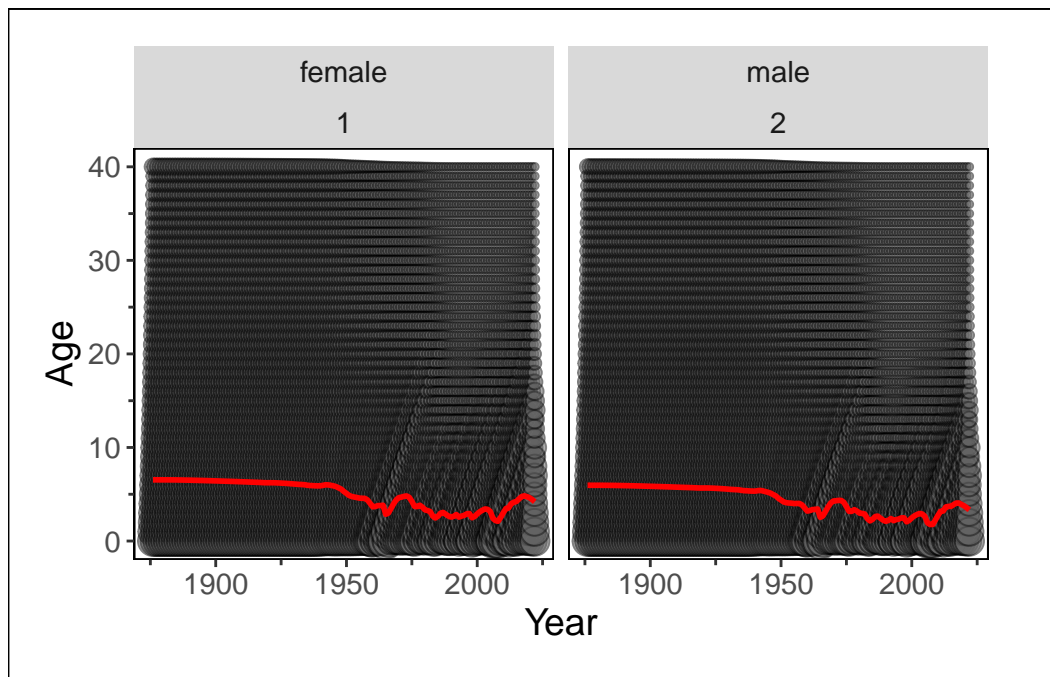


Figure 4: Model estimate of population numbers at age over time. The relative size of each bubble for a given year and age indicates the relative abundance in that category compared with others.

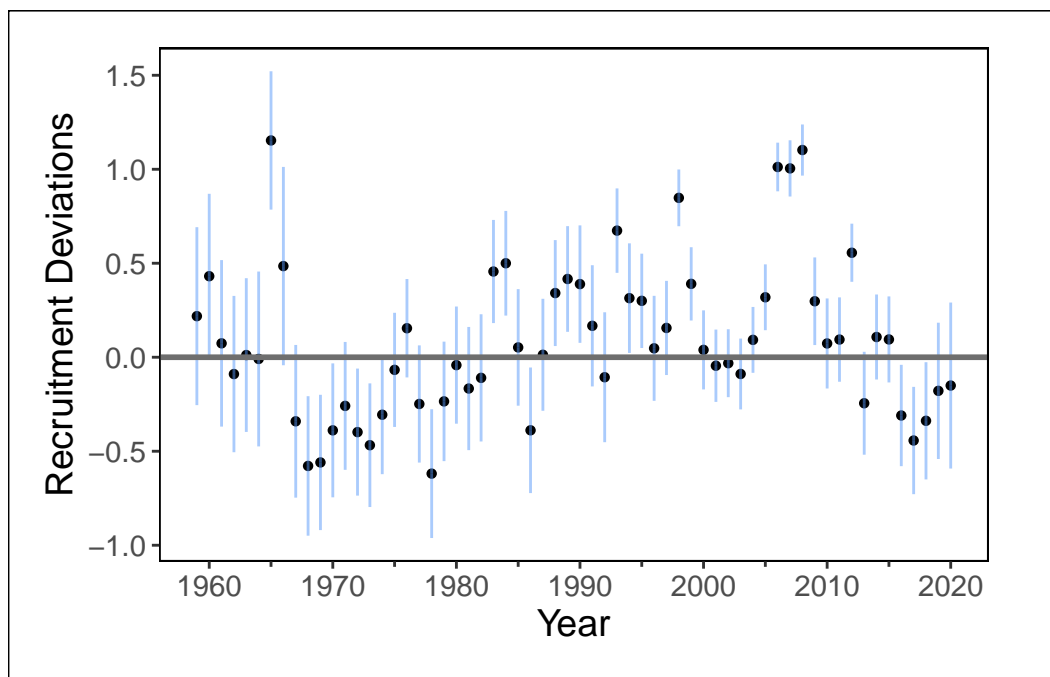


Figure 5: Annual deviations (on natural log scale) in the number of newly recruited fish the model estimates each year.

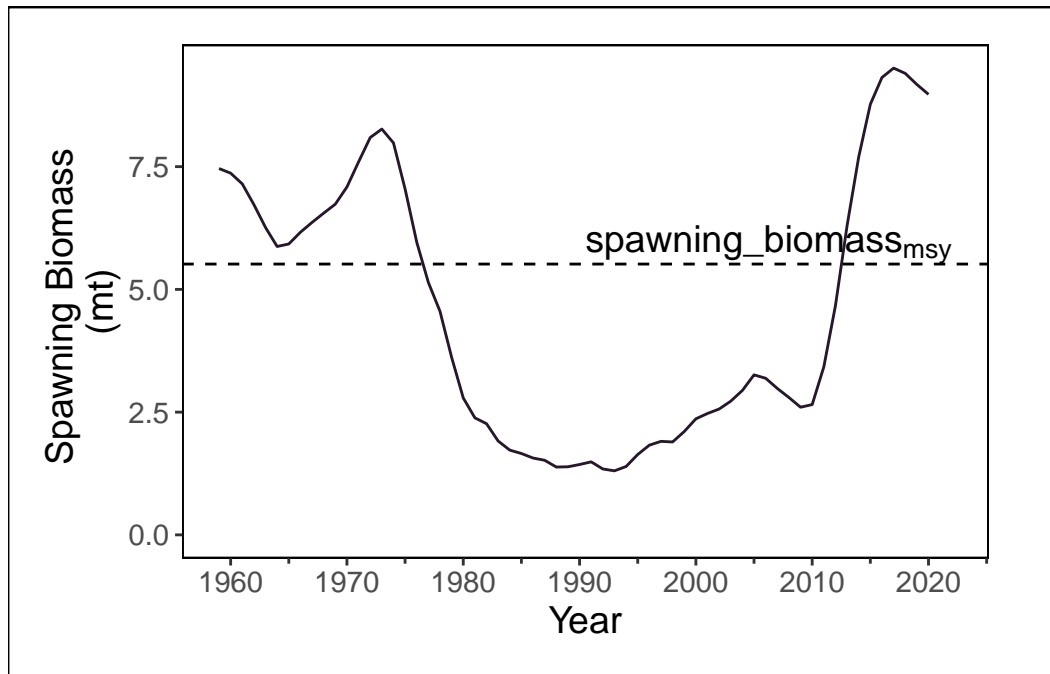


Figure 6: Model-estimated spawning stock biomass (SSB) time series. The horizontal dashed line represents the spawning stock biomass associated with the biomass limit reference point ( $msy$  mt).

## A Appendices

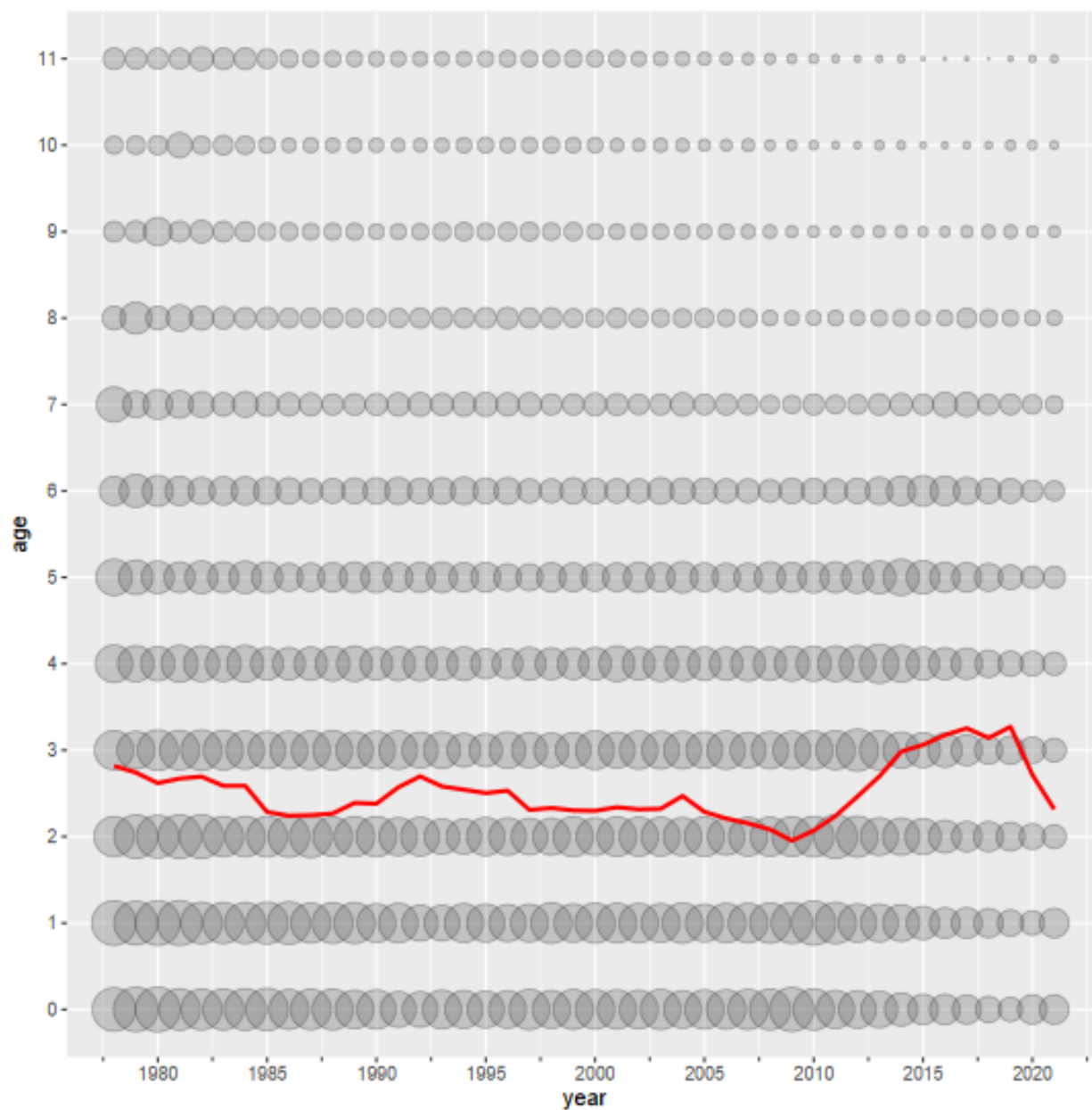


Figure 7: External image that already has a png extension