

pollock\_b

Model years: 1970-2021

Projection years: none

Number of fleets: 1

Fleet Age Comp Models: Multinomial

Number of indices: 6

Index Age Comp Models: Multinomial, Multinomial, Multinomial, Multinomial, Multinomial, Multinomial

Recruitment model: Random about mean

No Environmental covariates.

Number of Selectivity blocks: 7

lock Types: Double-Logistic, Age-specific, Double-Logistic, Double-Logistic, Age-specific, Age-specific, Double-Logistic

Fleet 1 Selectivity Blocks: 1

Index 1 Selectivity Blocks: 2

Index 2 Selectivity Blocks: 3

Index 3 Selectivity Blocks: 4

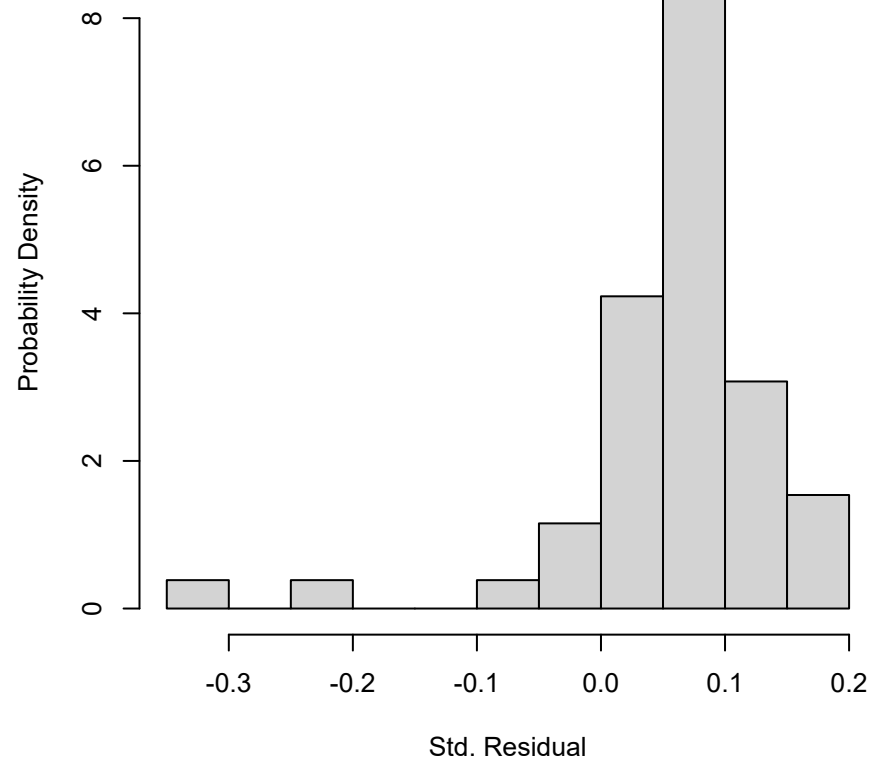
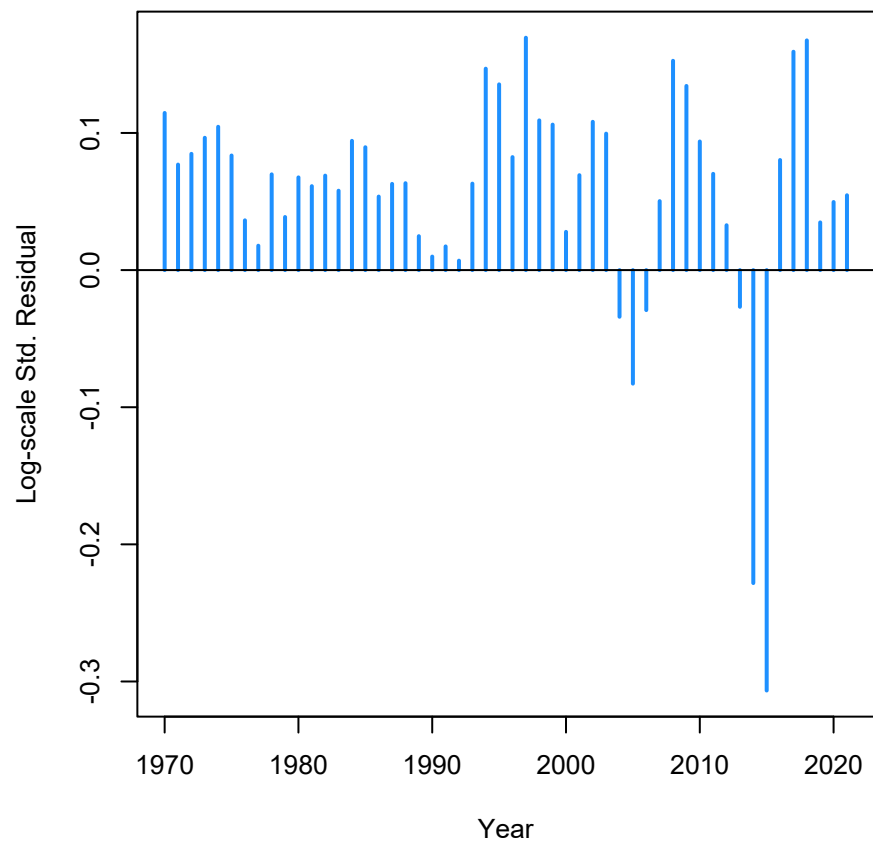
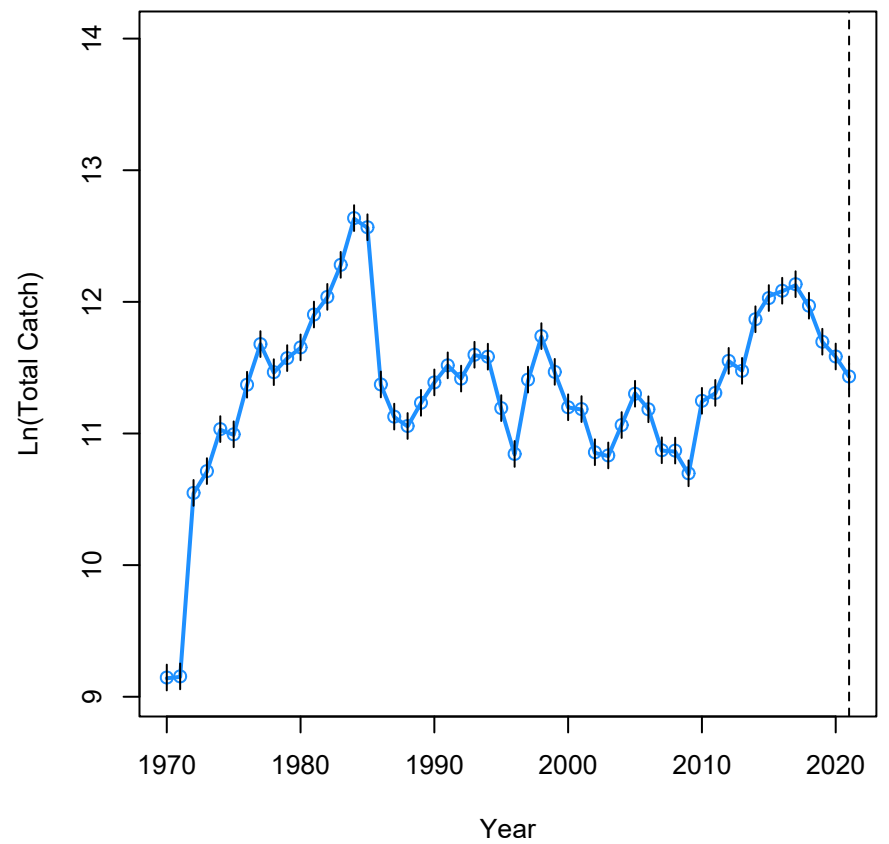
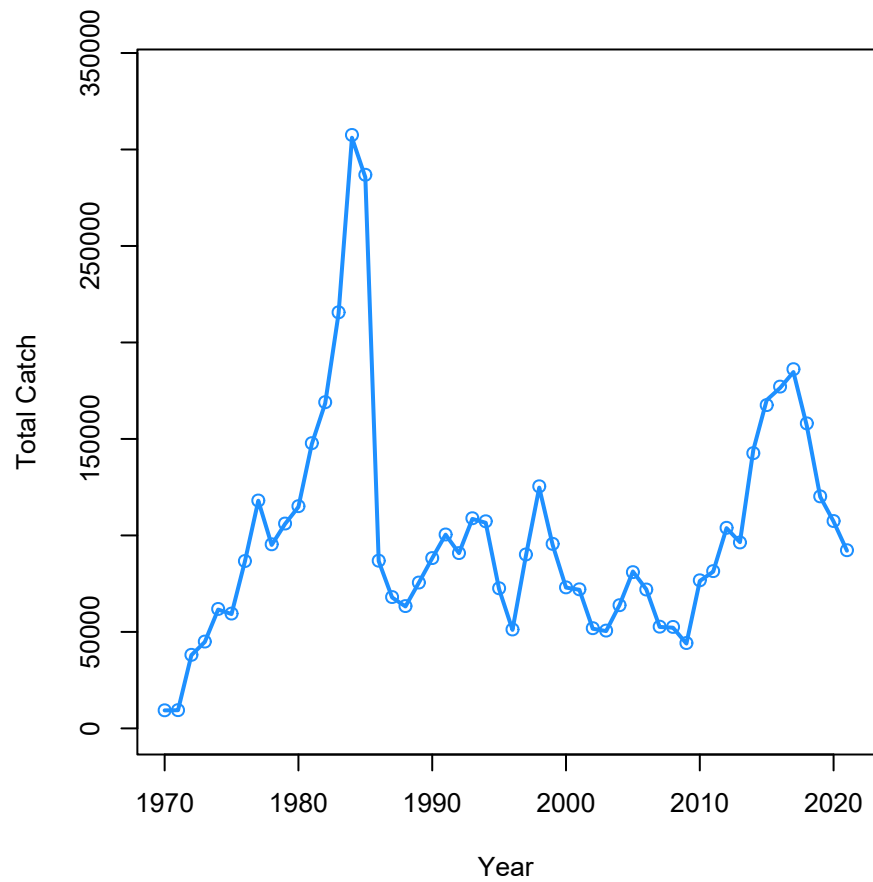
Index 4 Selectivity Blocks: 5

Index 5 Selectivity Blocks: 6

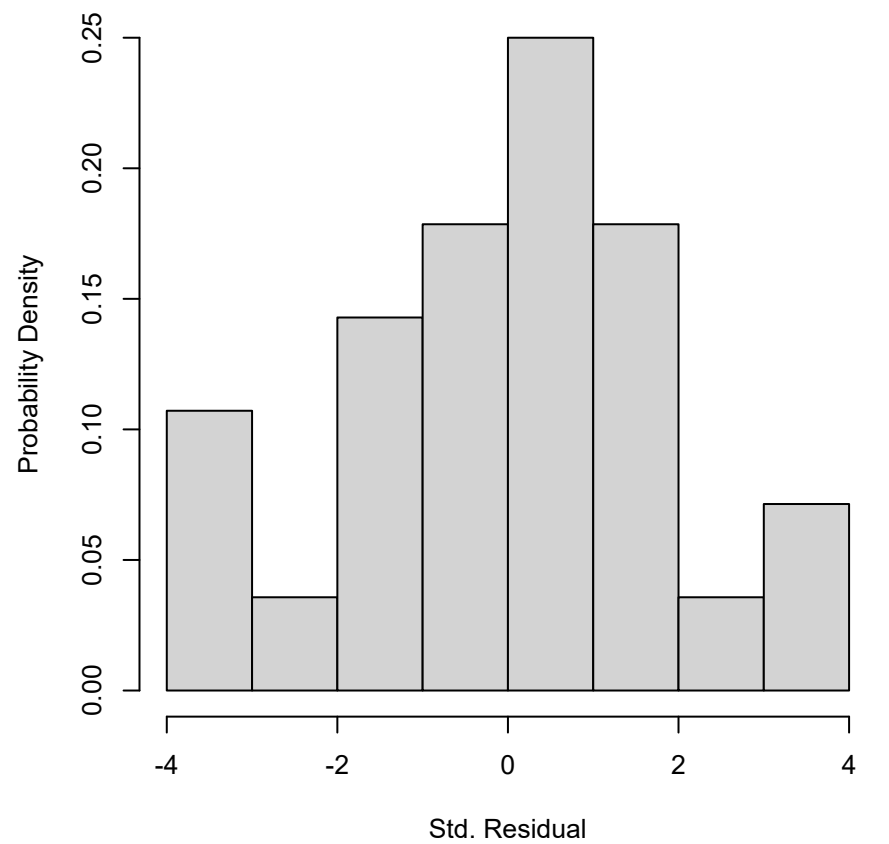
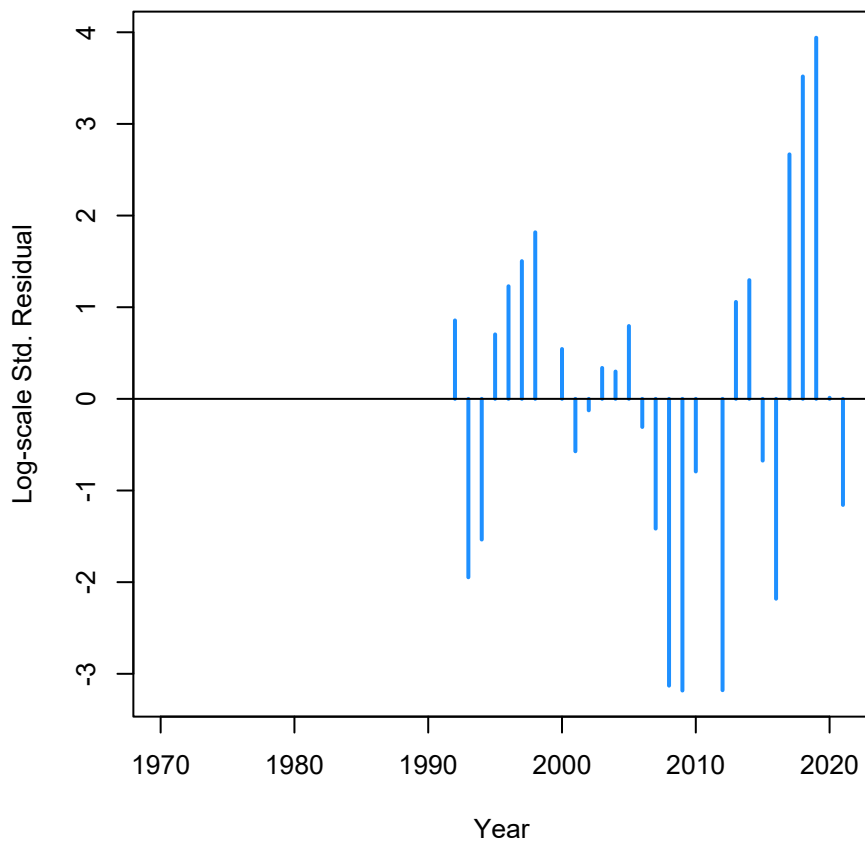
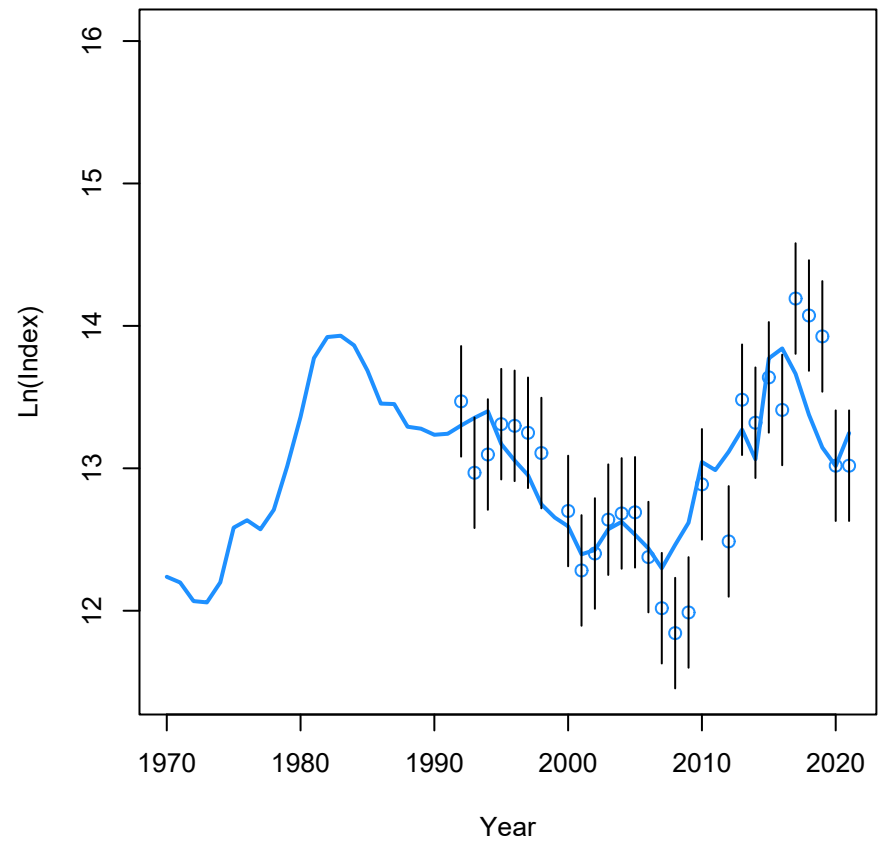
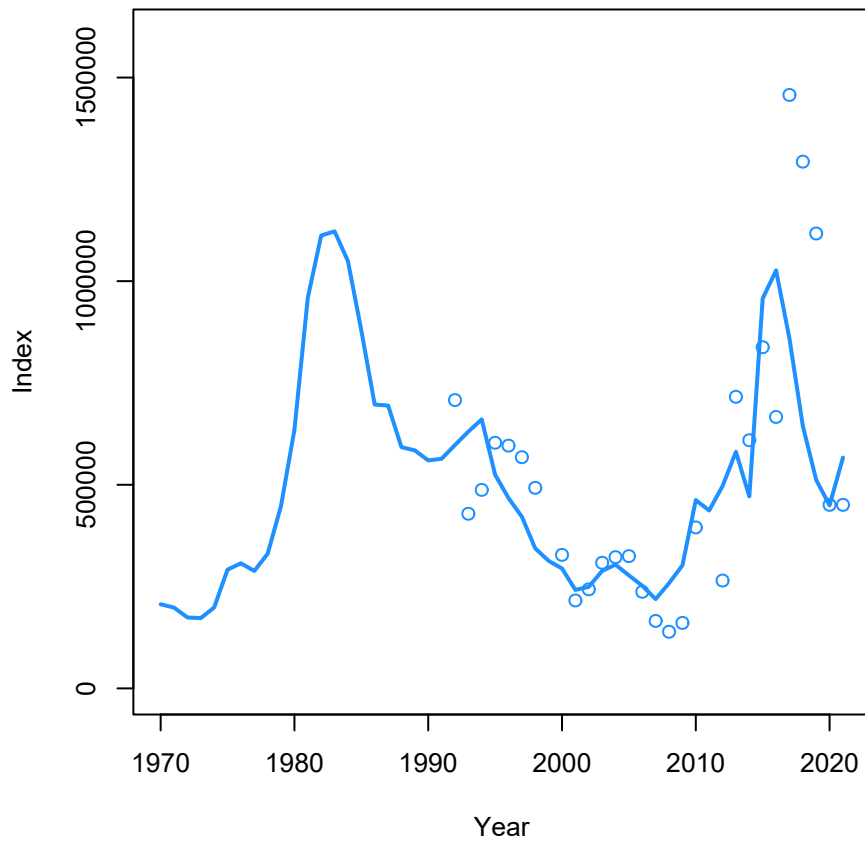
Index 6 Selectivity Blocks: 7



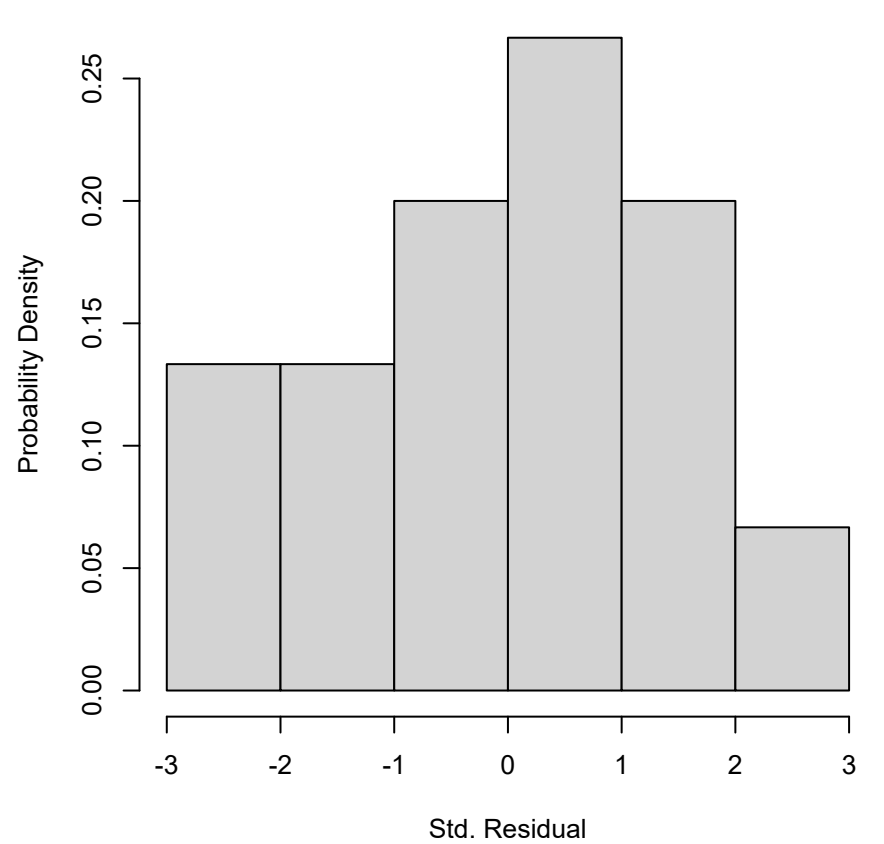
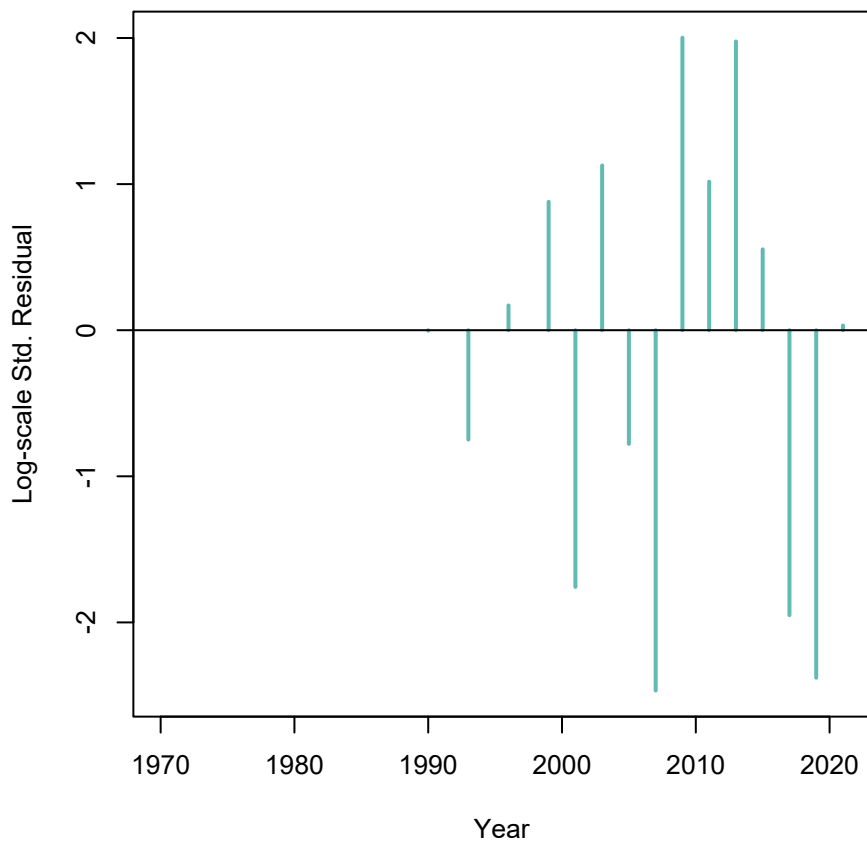
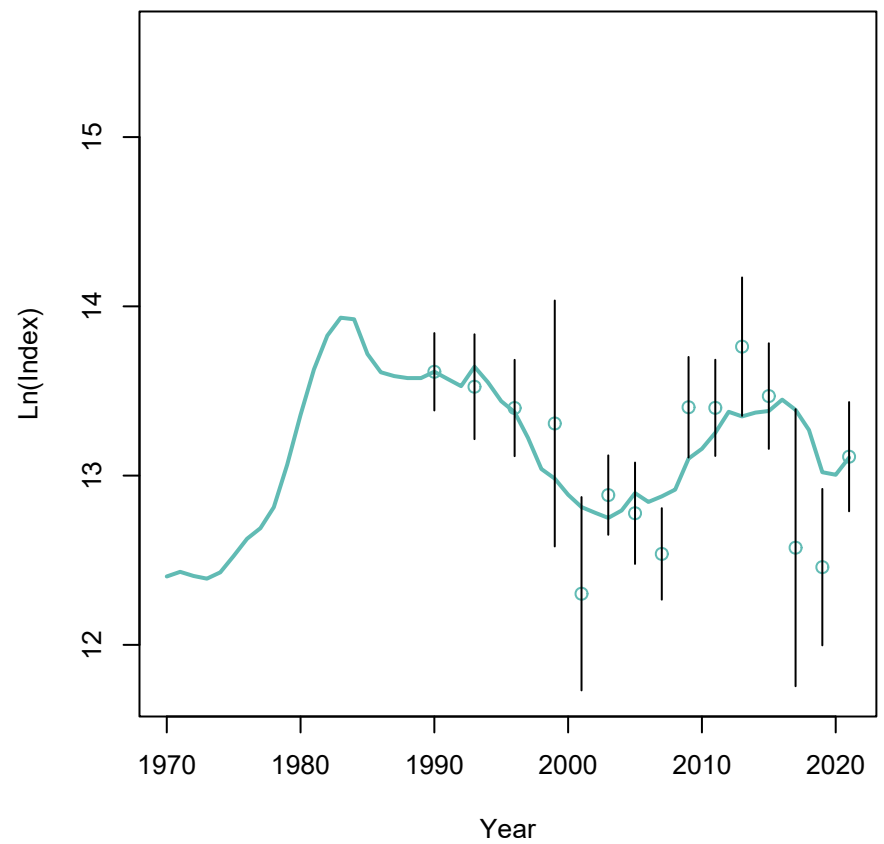
**Fleet 1 Catch**



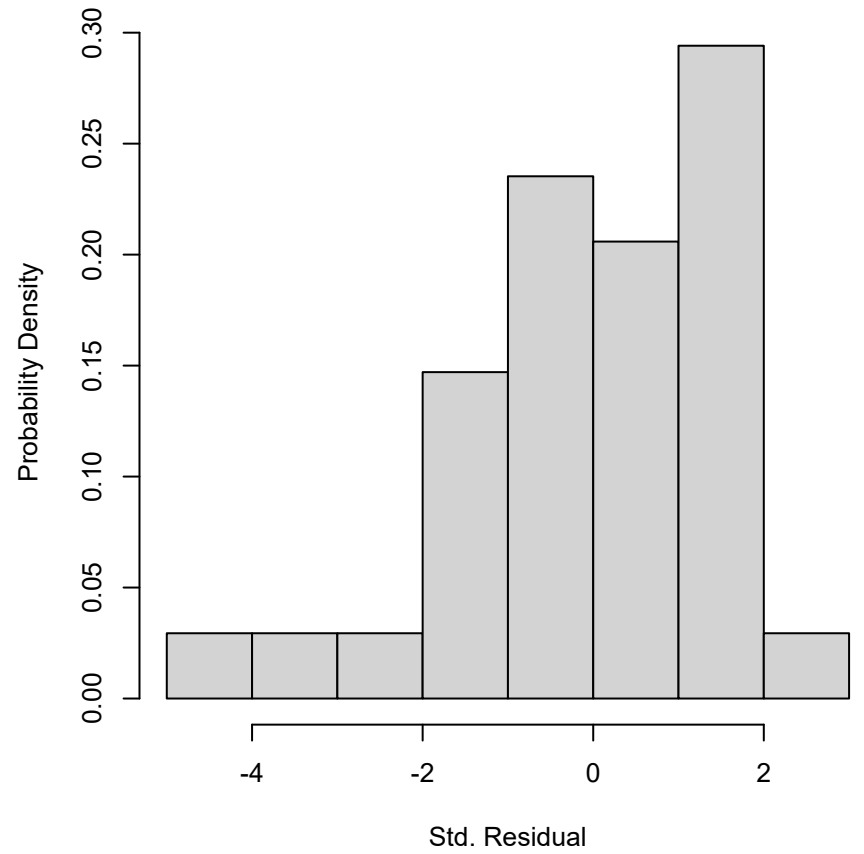
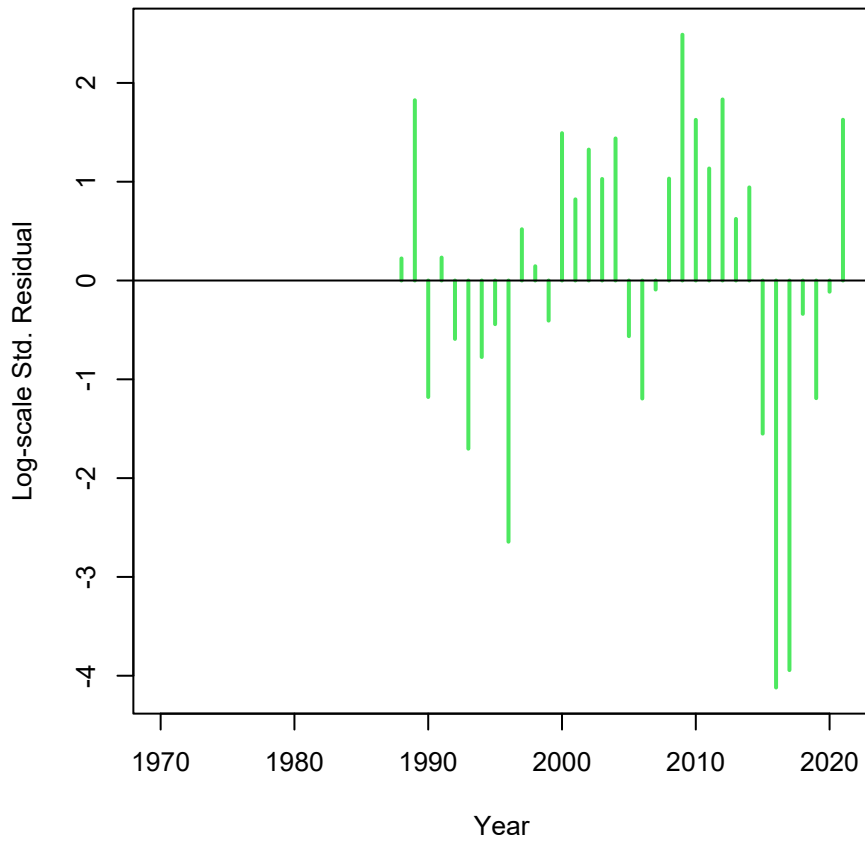
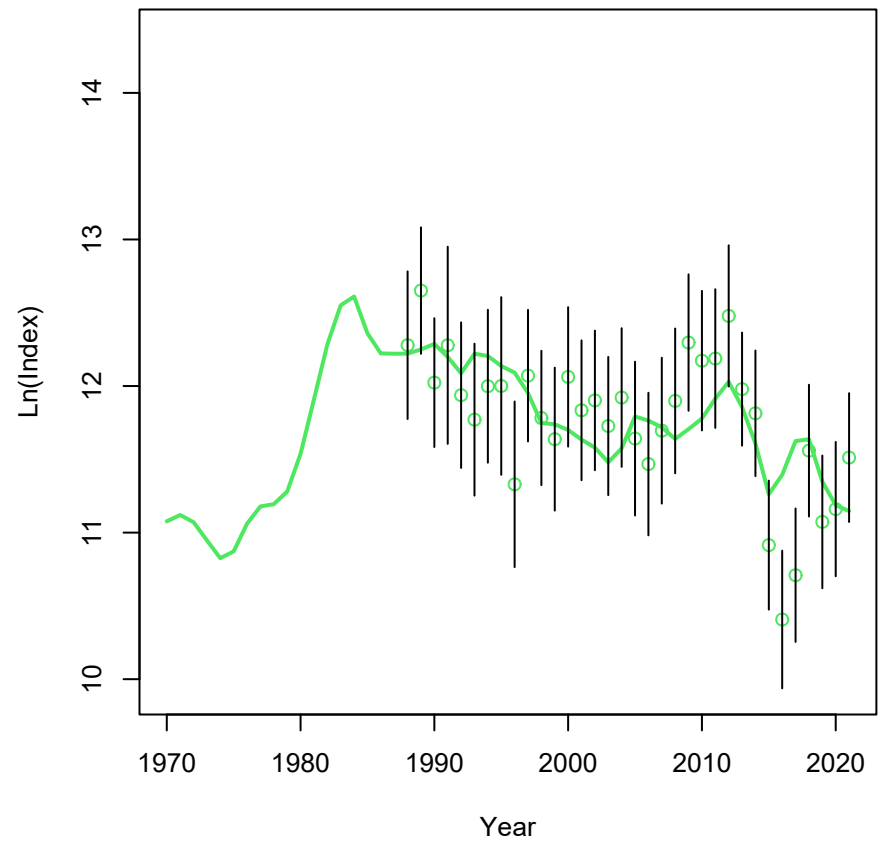
Index 1



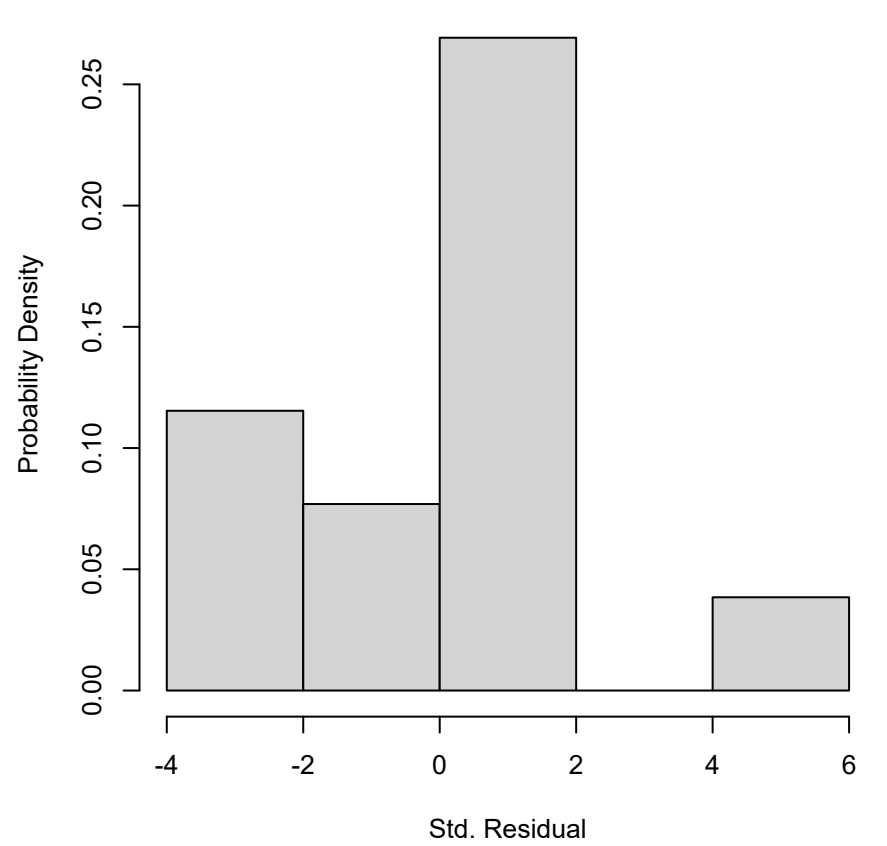
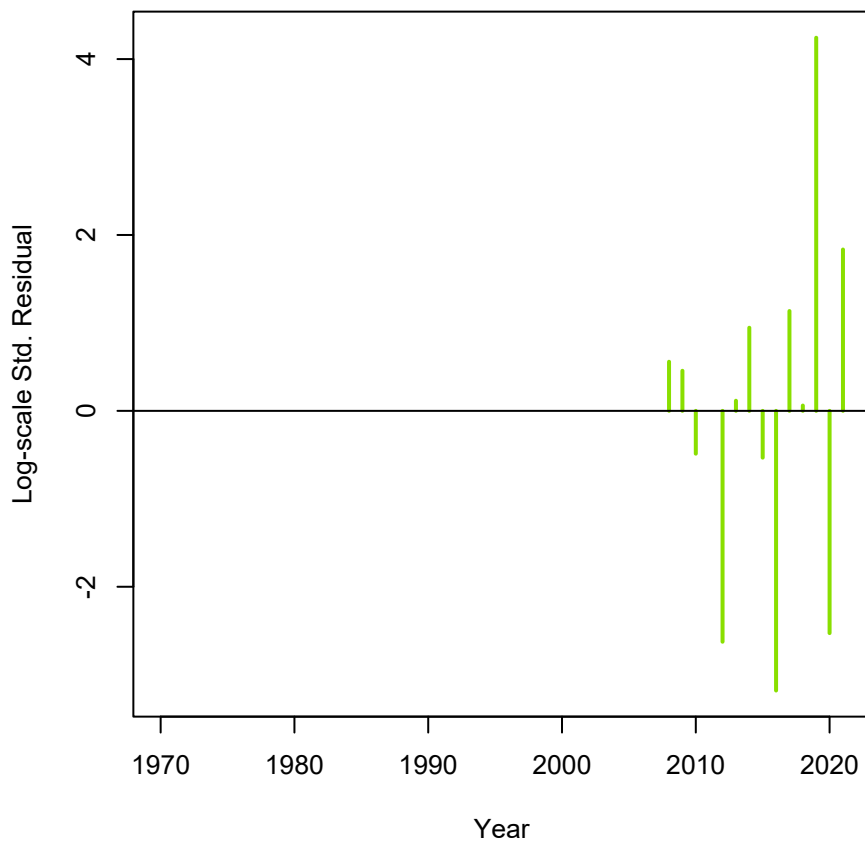
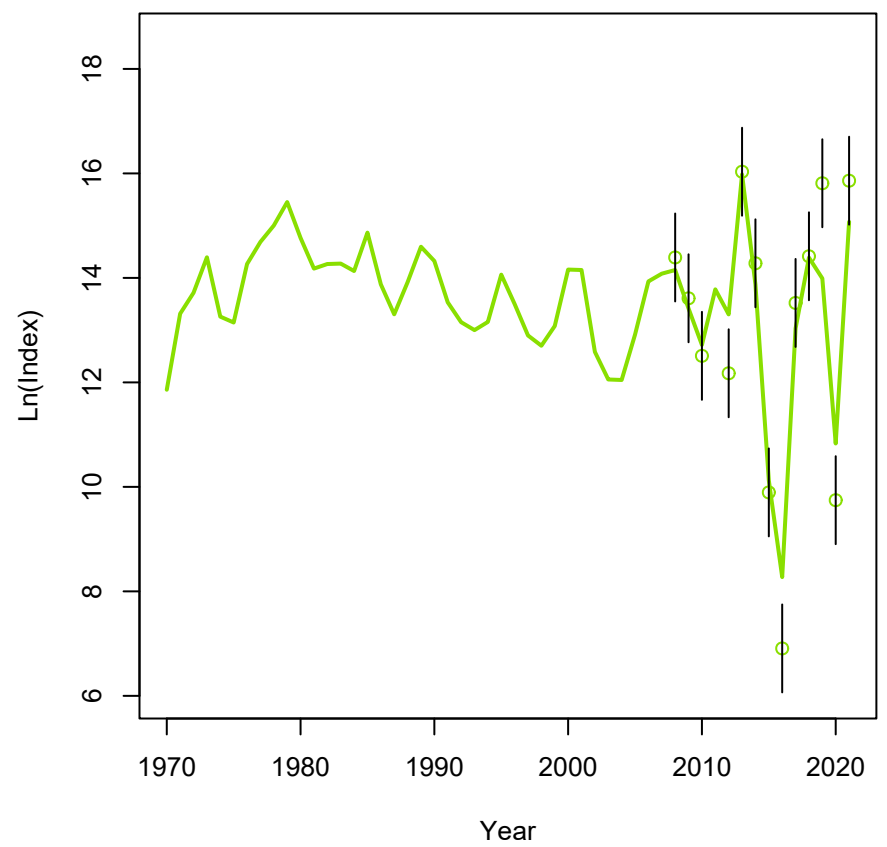
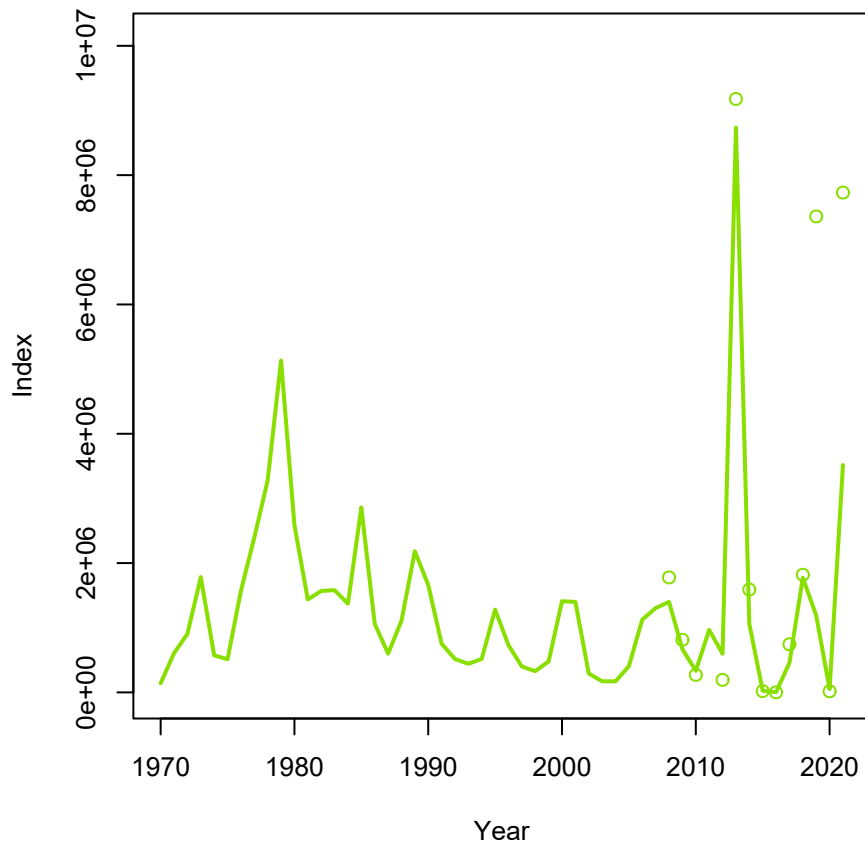
Index 2



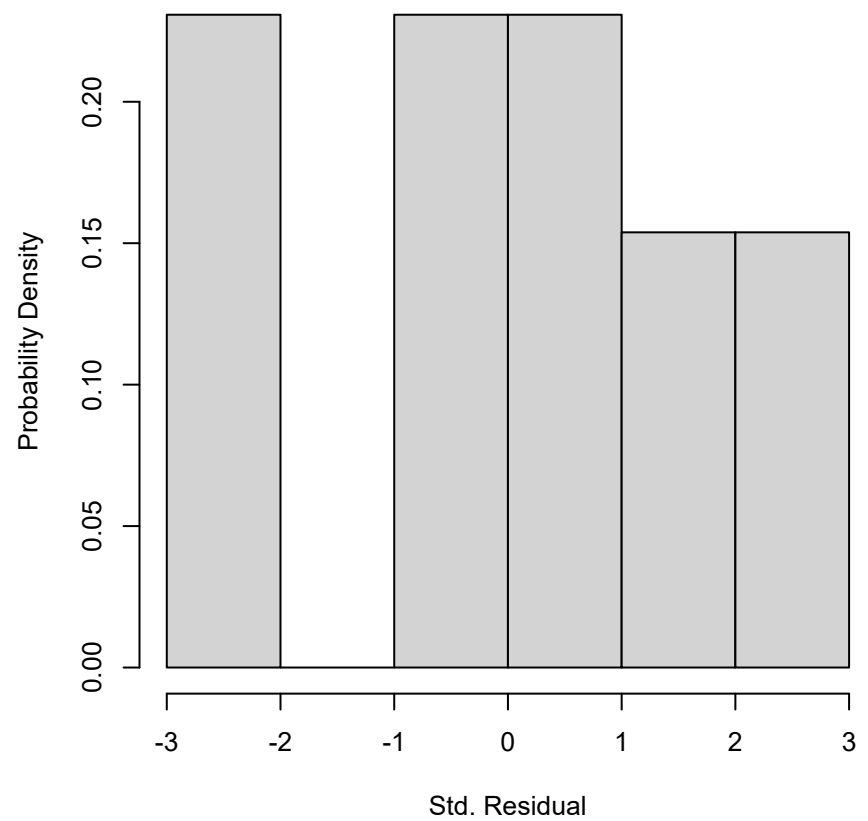
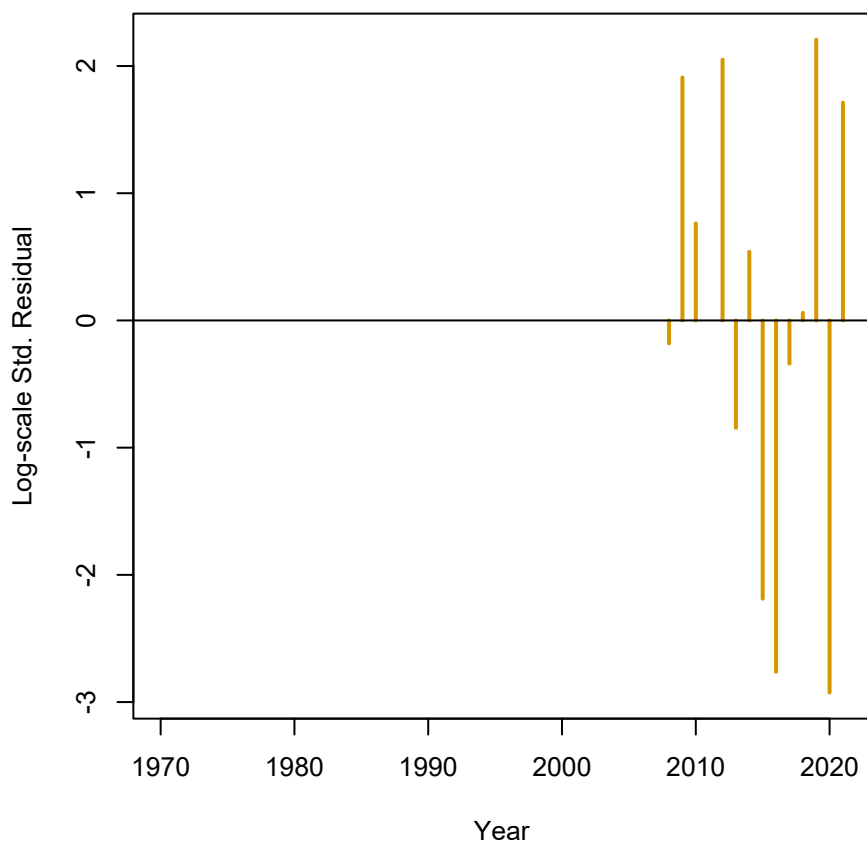
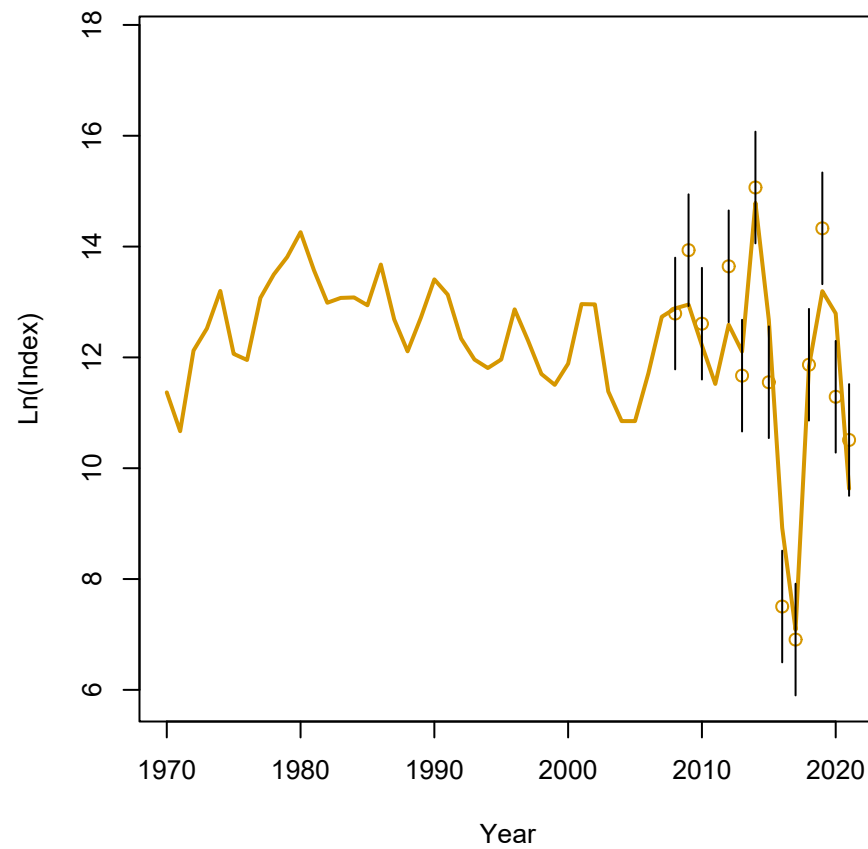
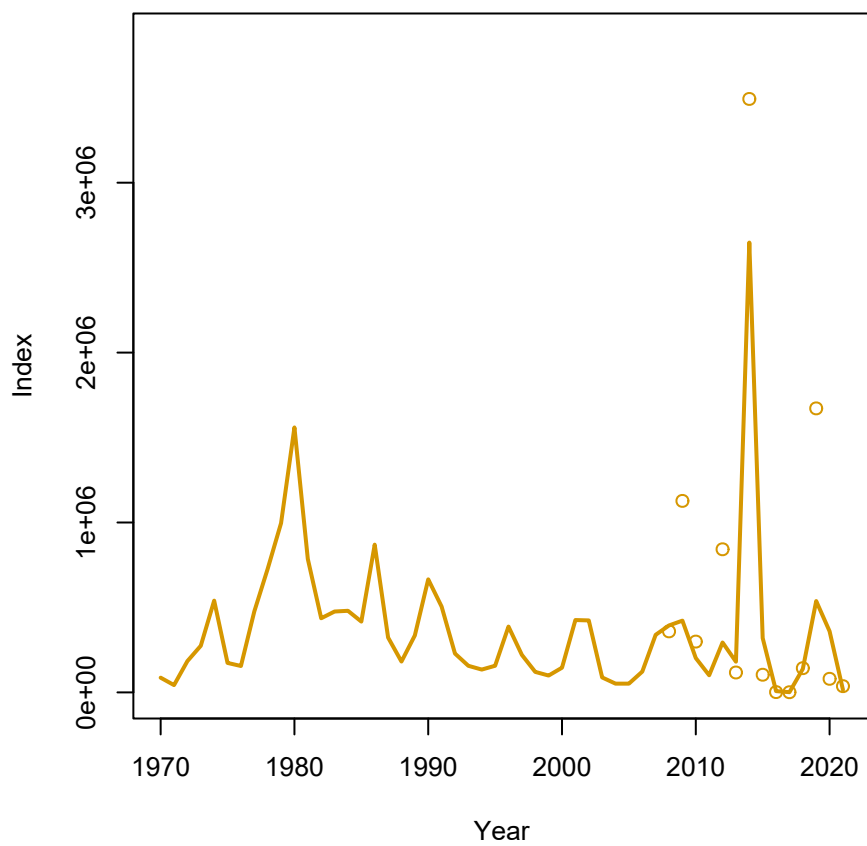
Index 3



Index 4

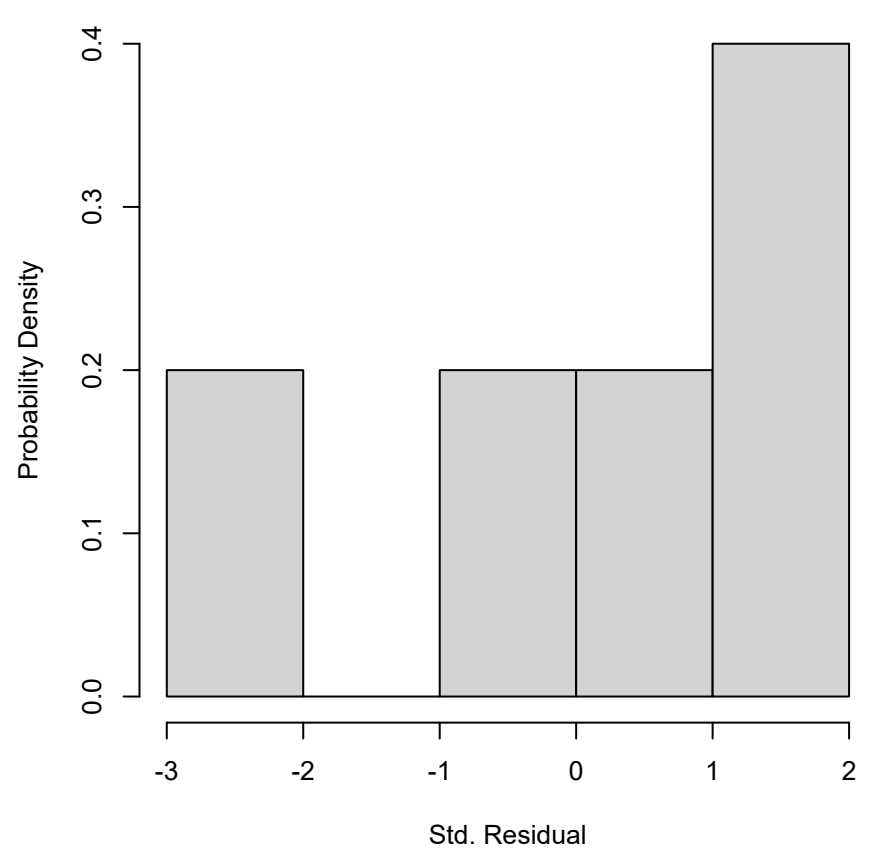
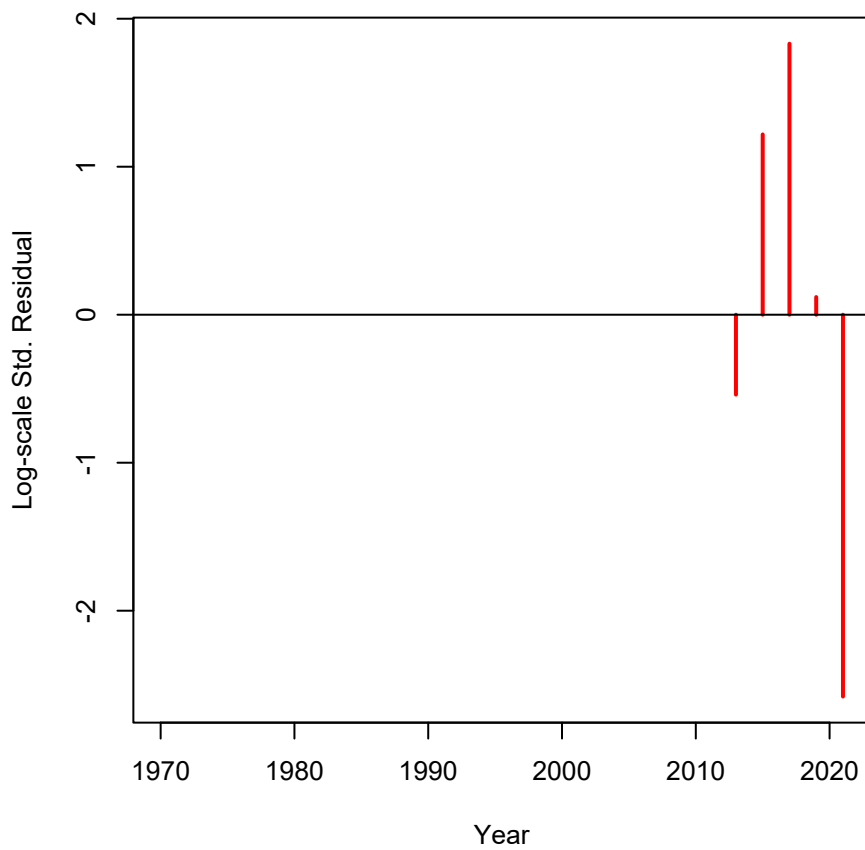
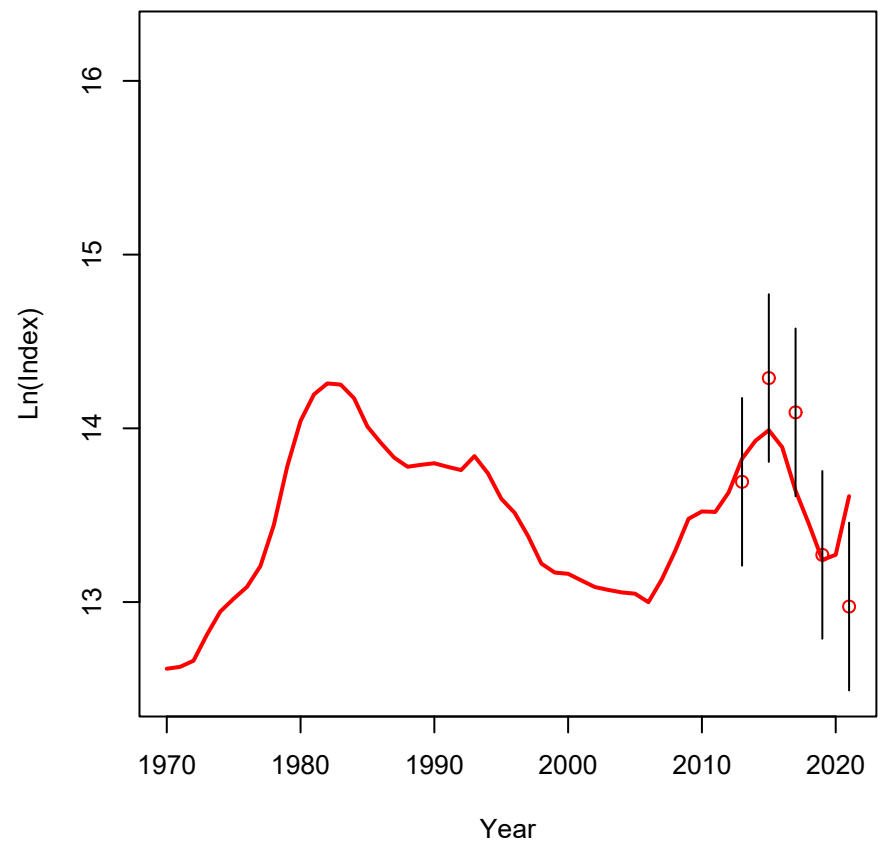
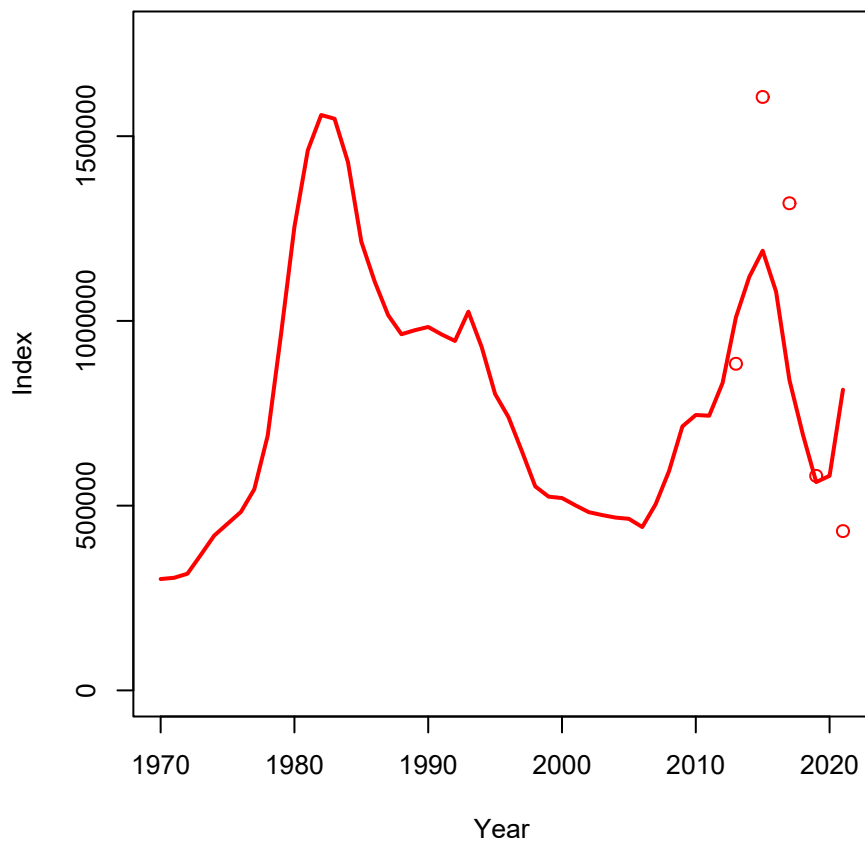


Index 5

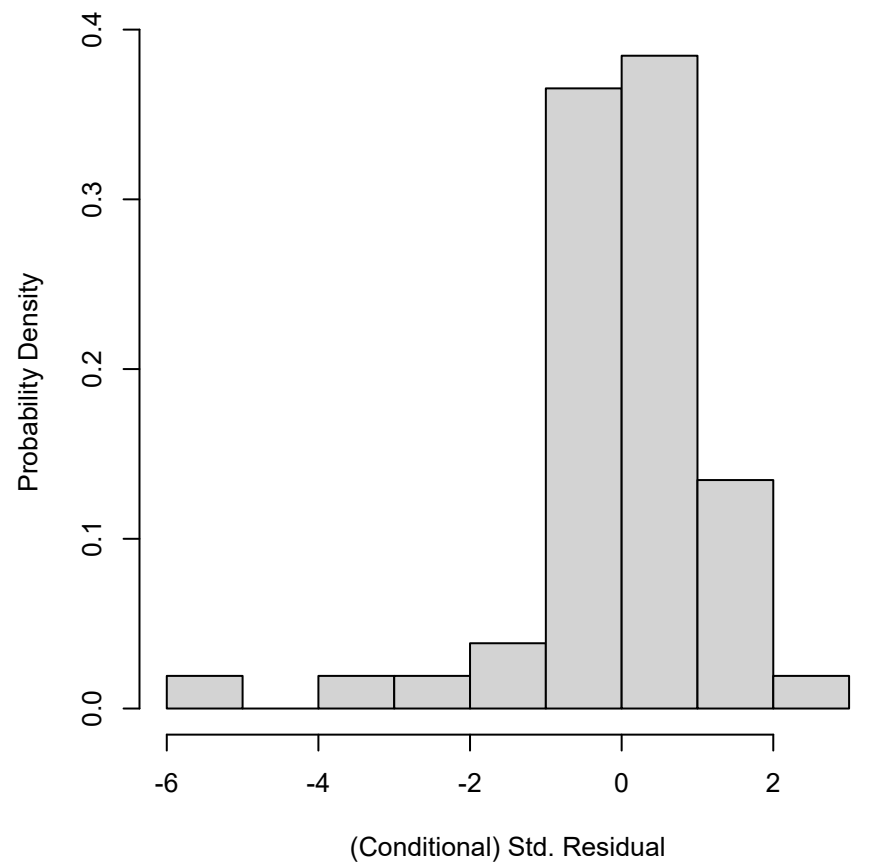
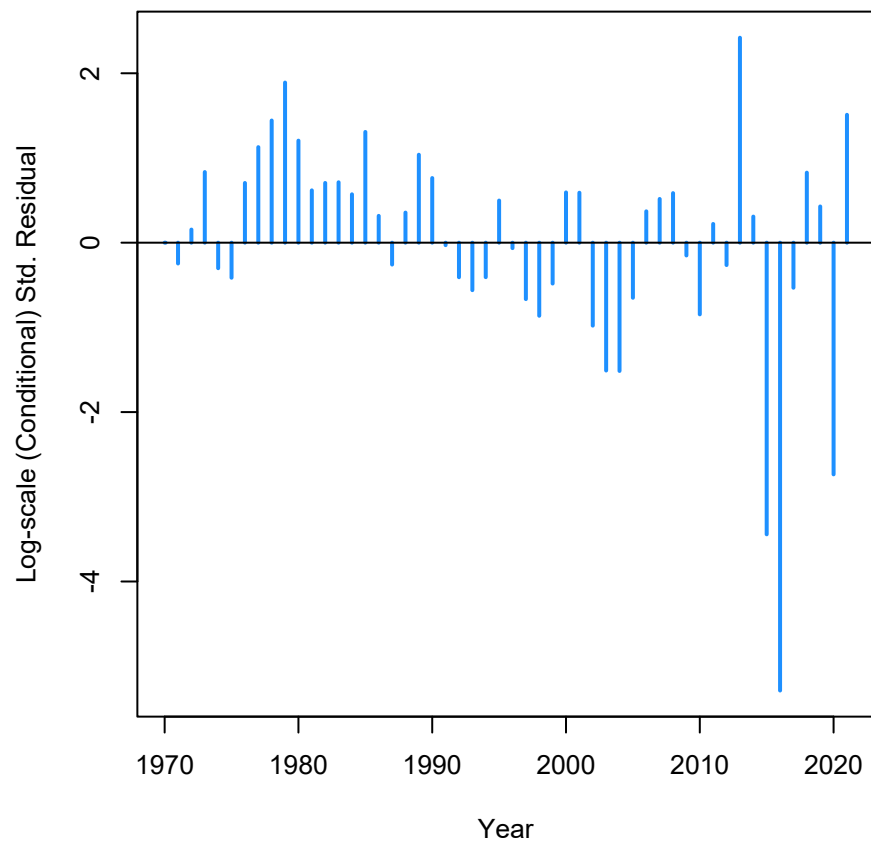
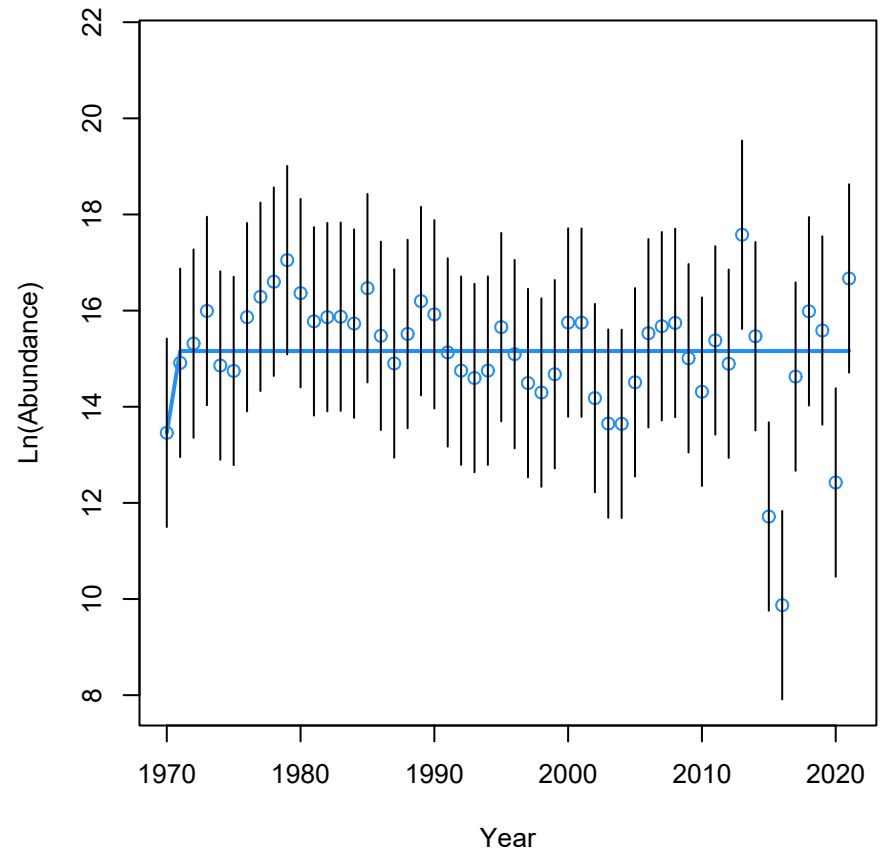
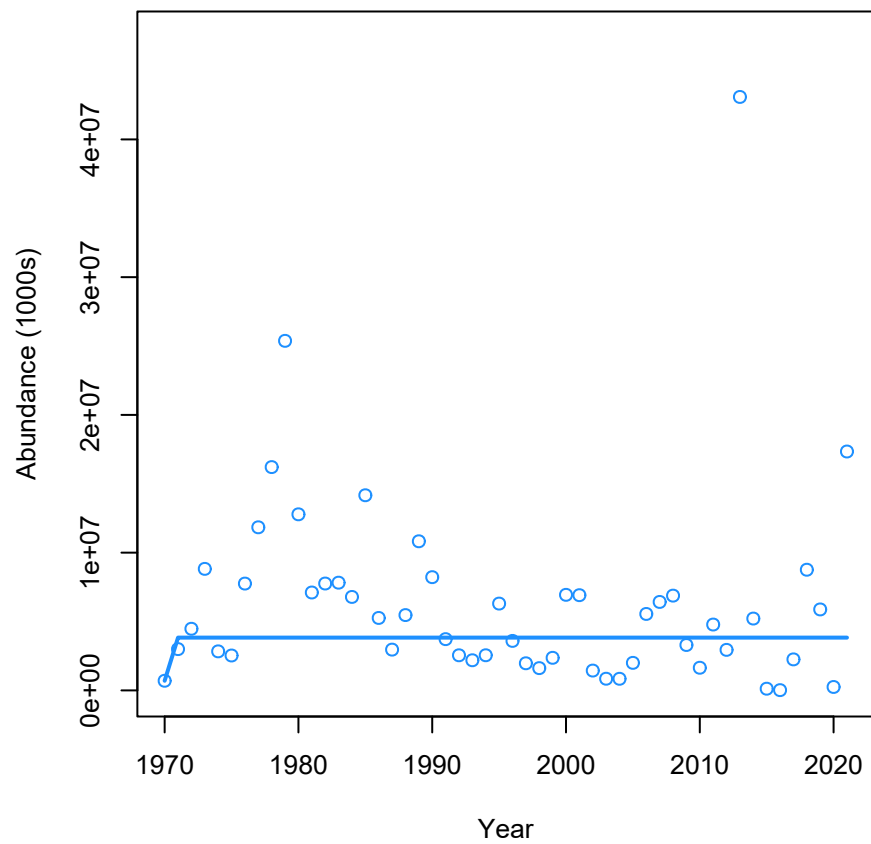




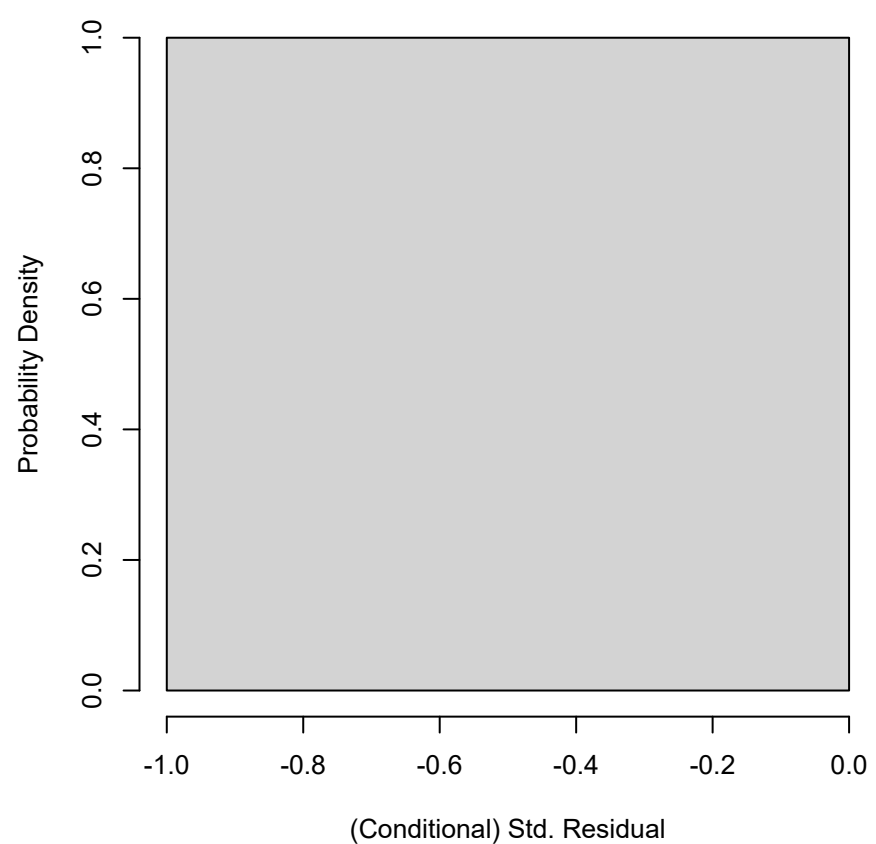
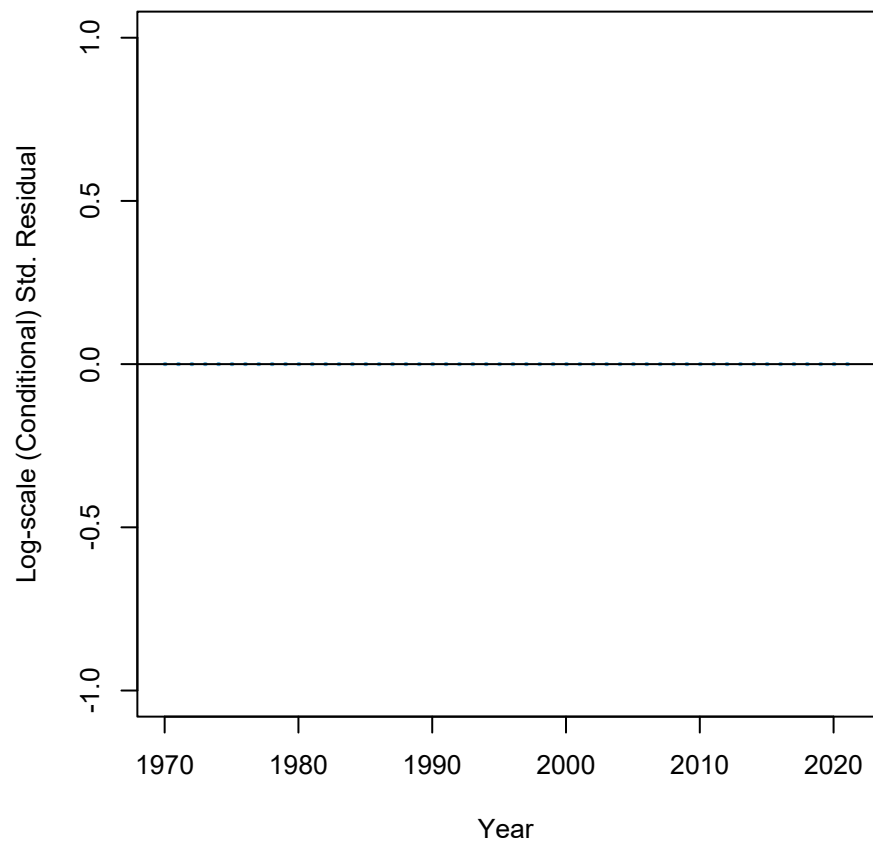
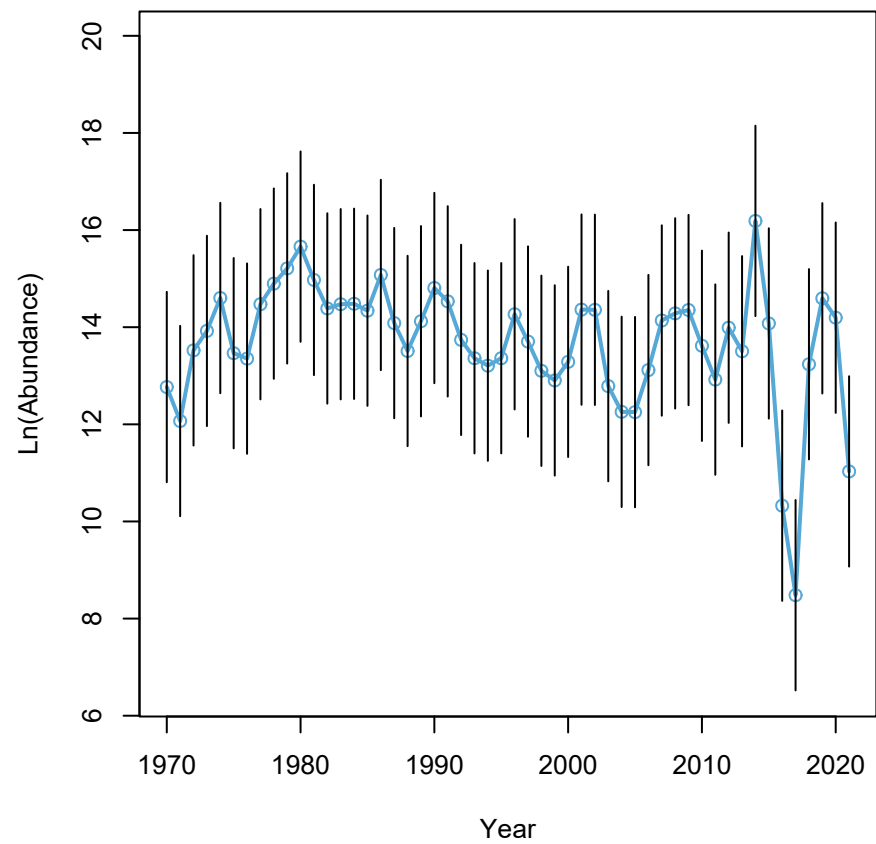
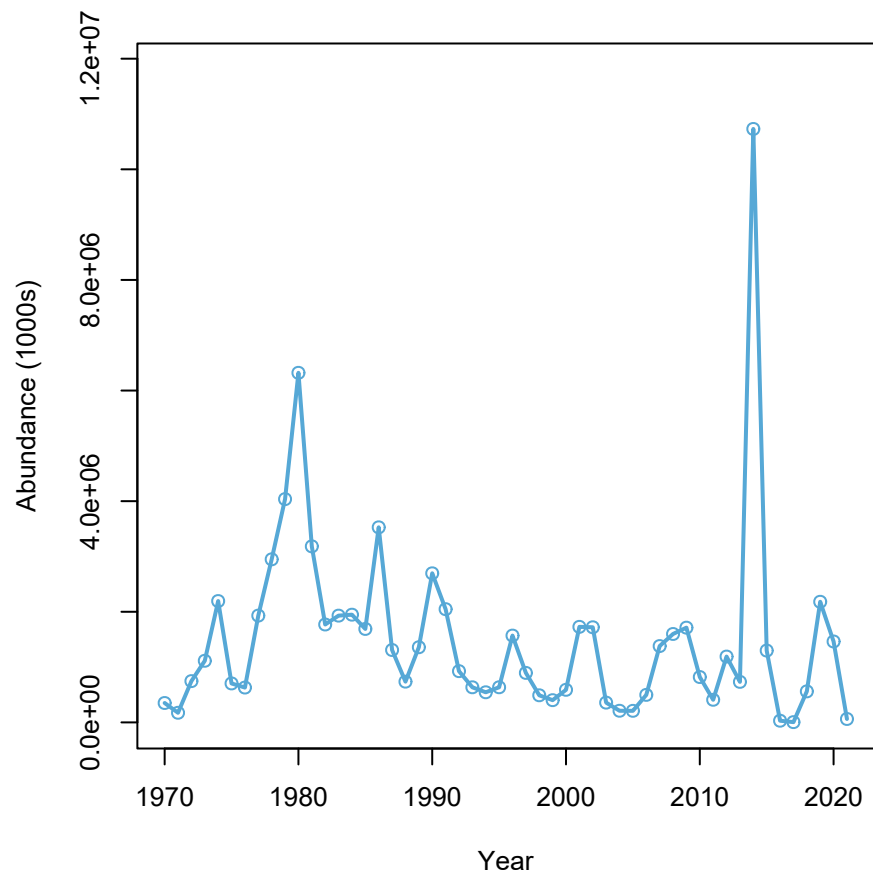
Index 6



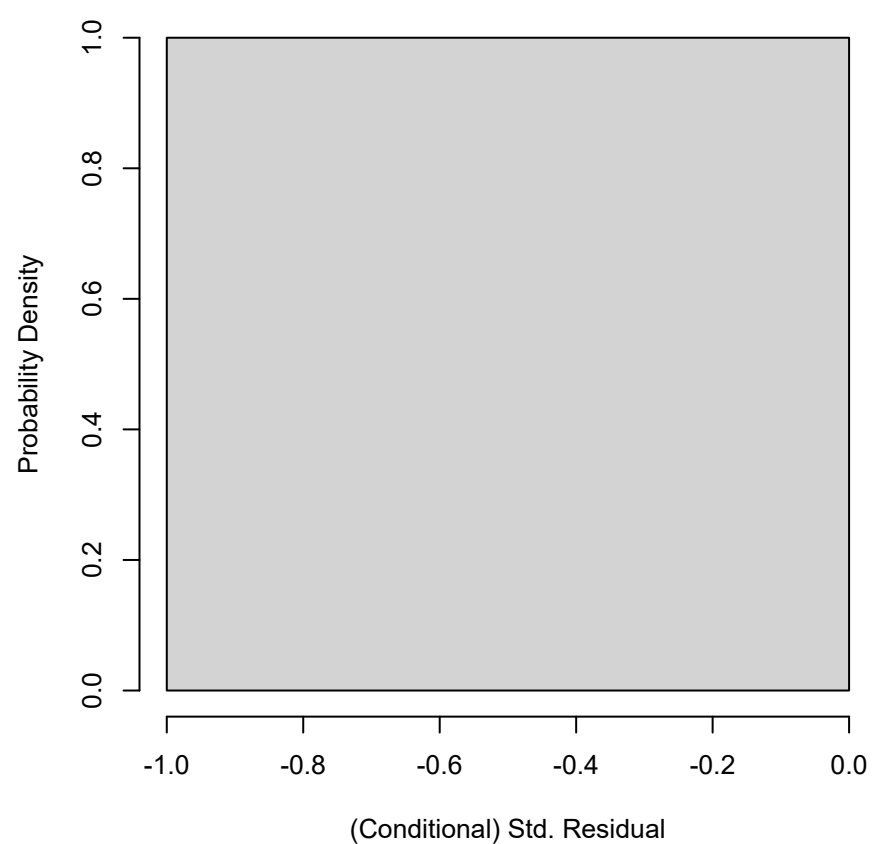
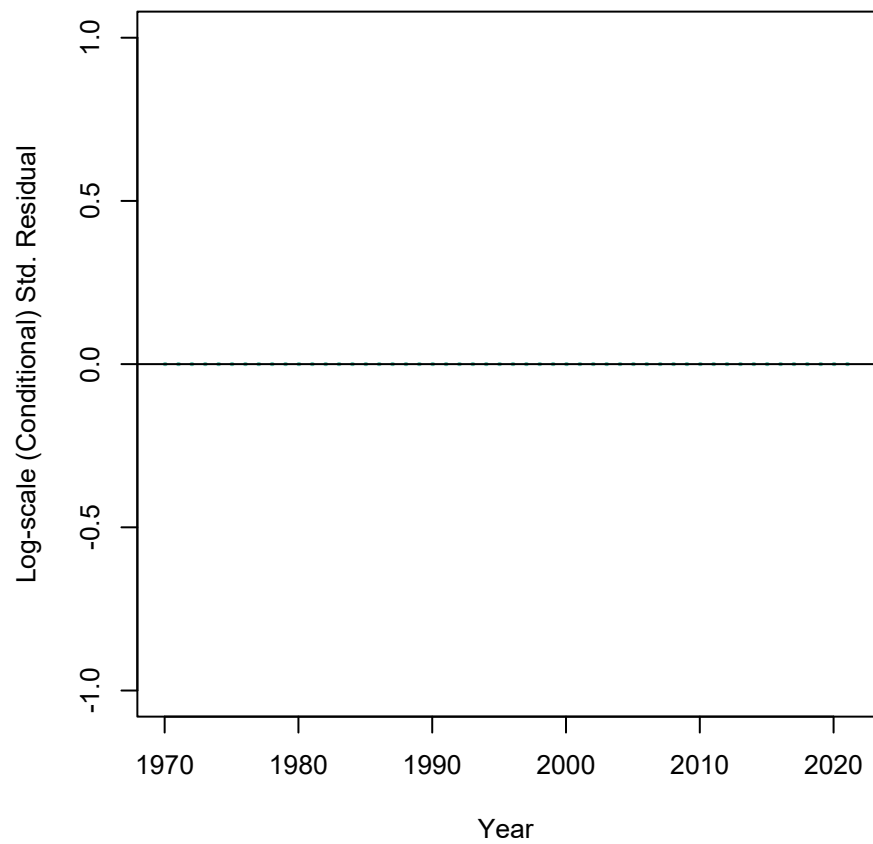
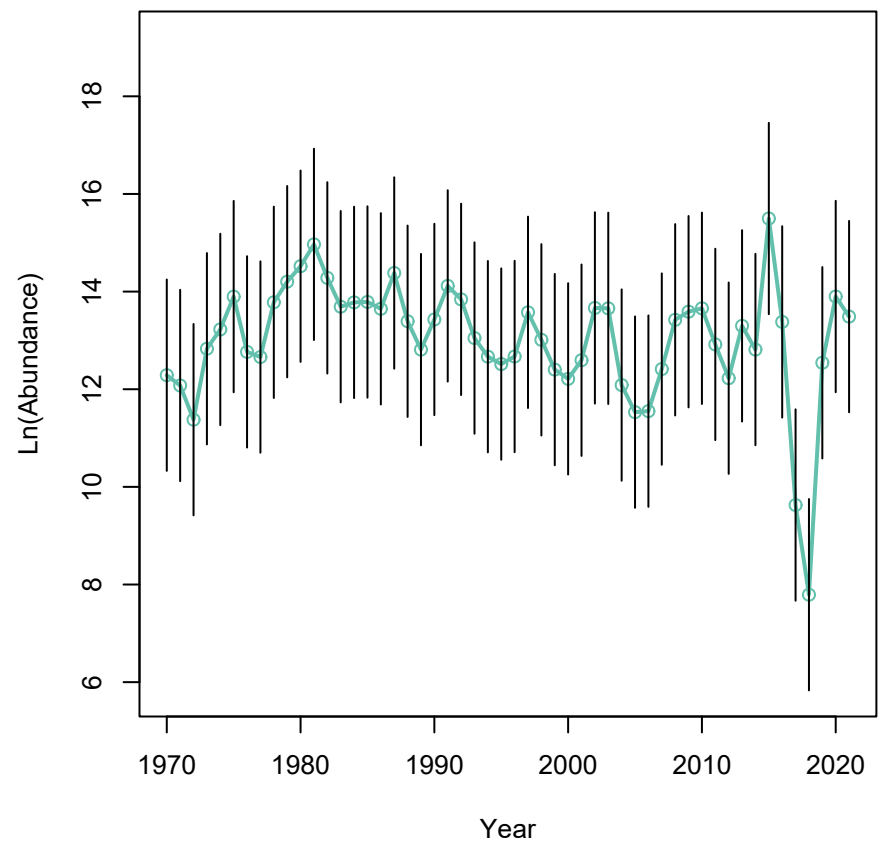
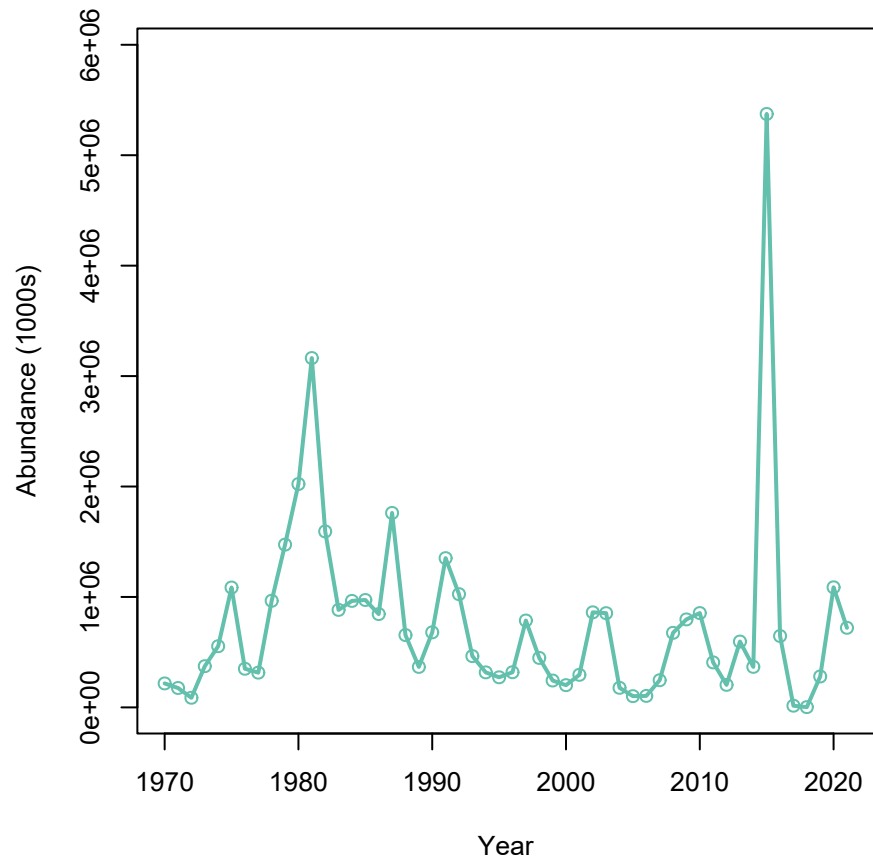
# Conditional Expected and Posterior Estimates of Age 1 Abundance



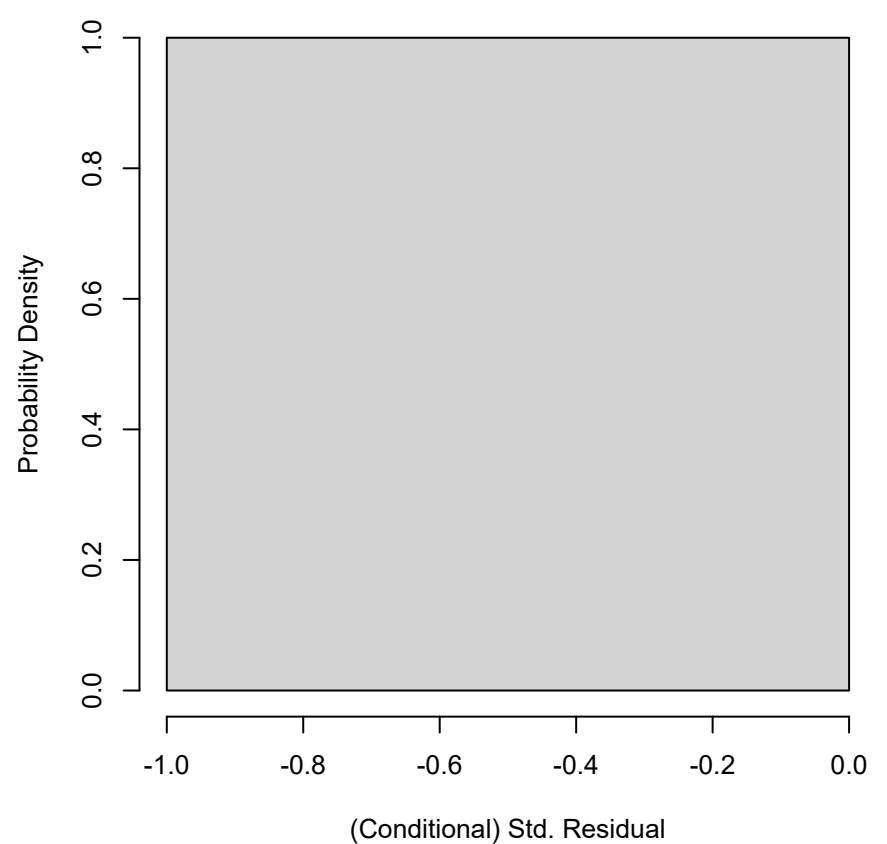
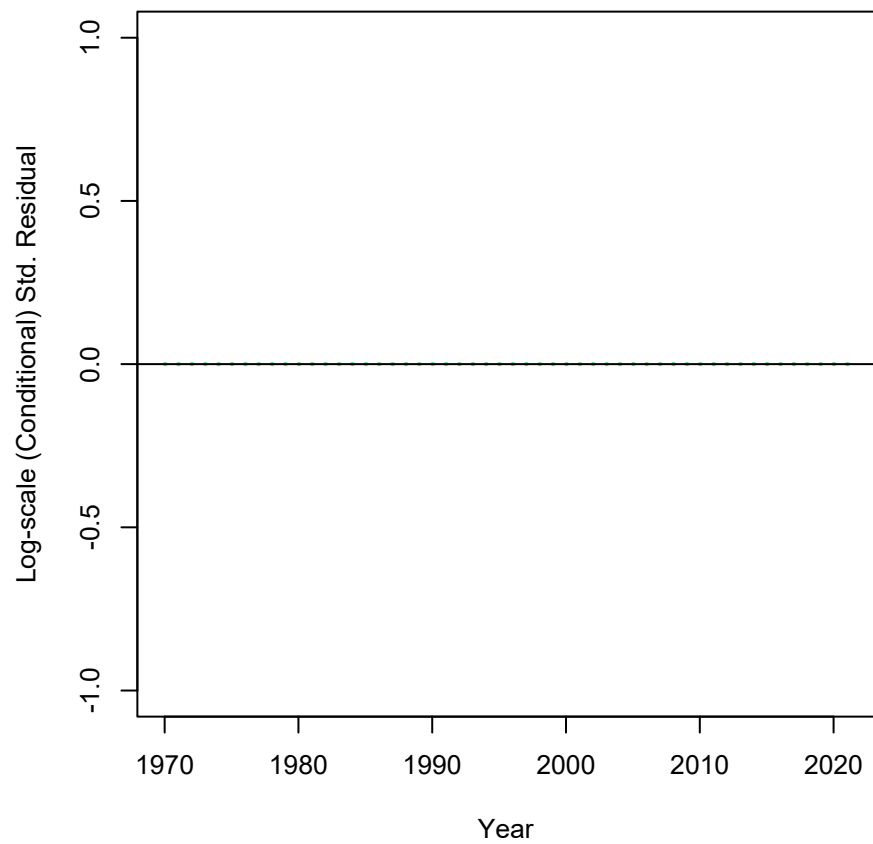
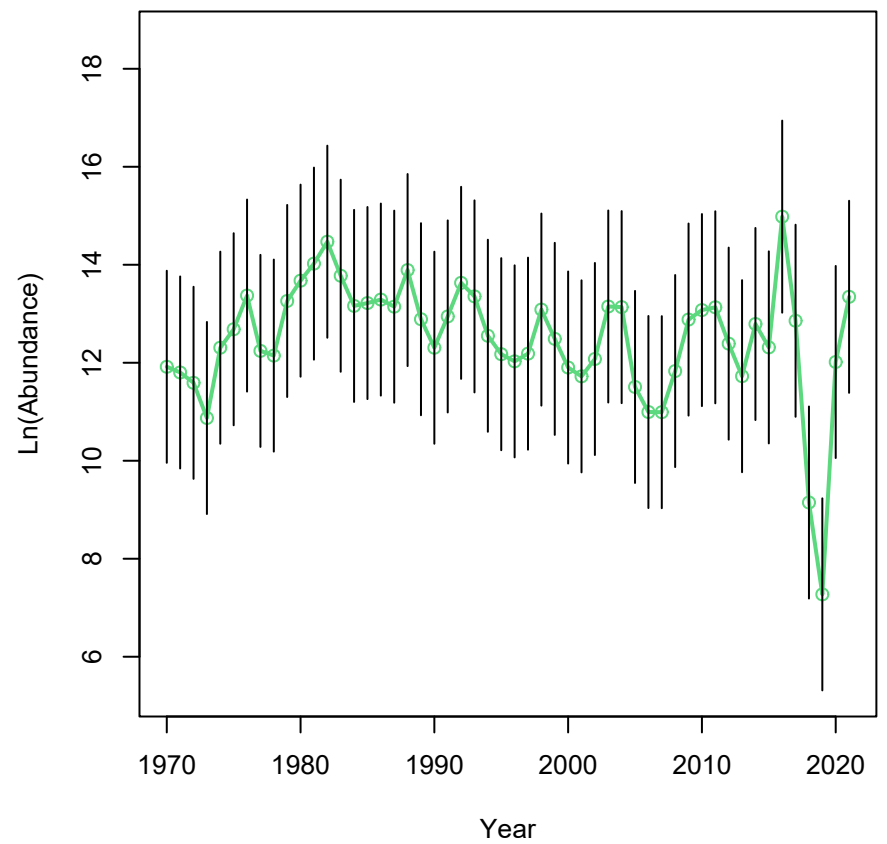
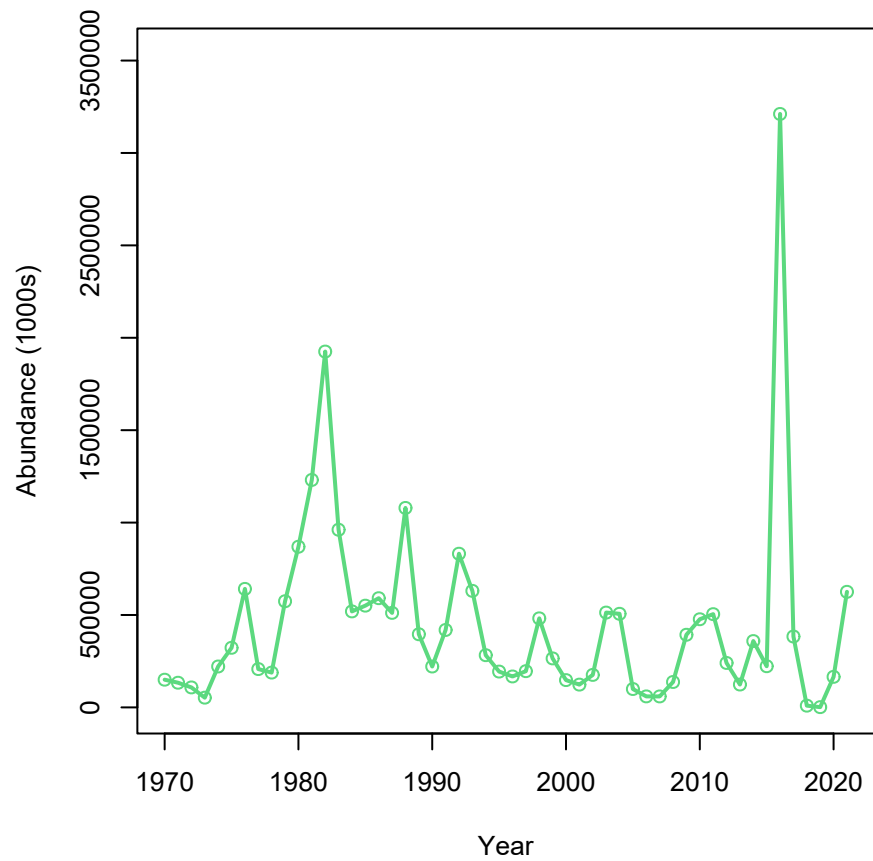
# Conditional Expected and Posterior Estimates of Age 2 Abundance



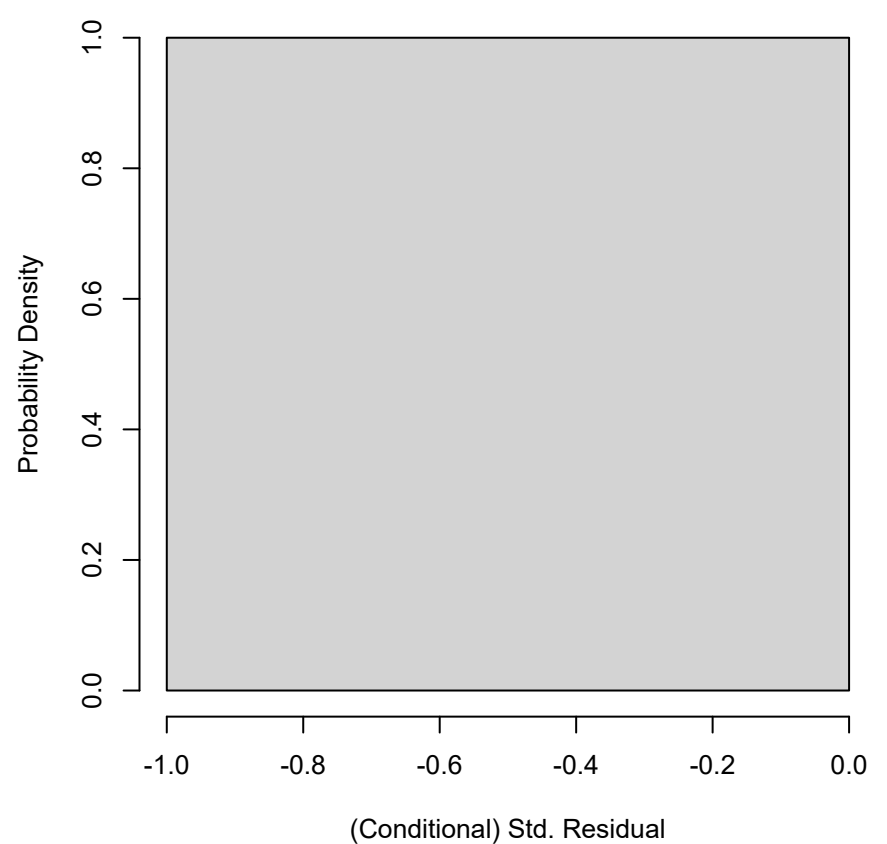
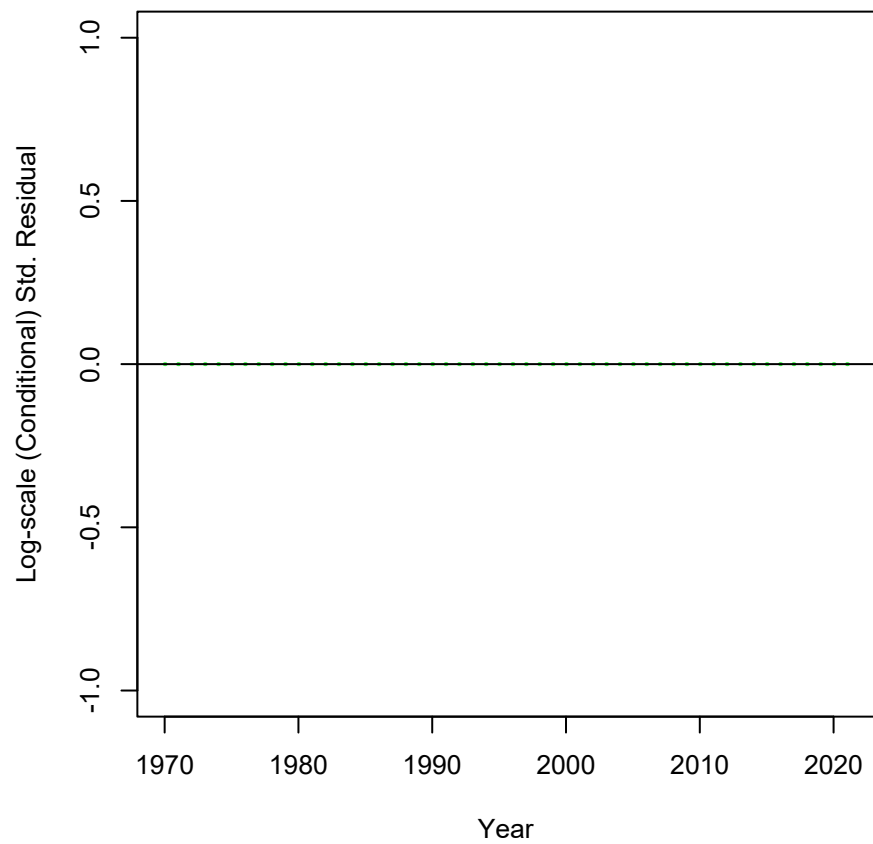
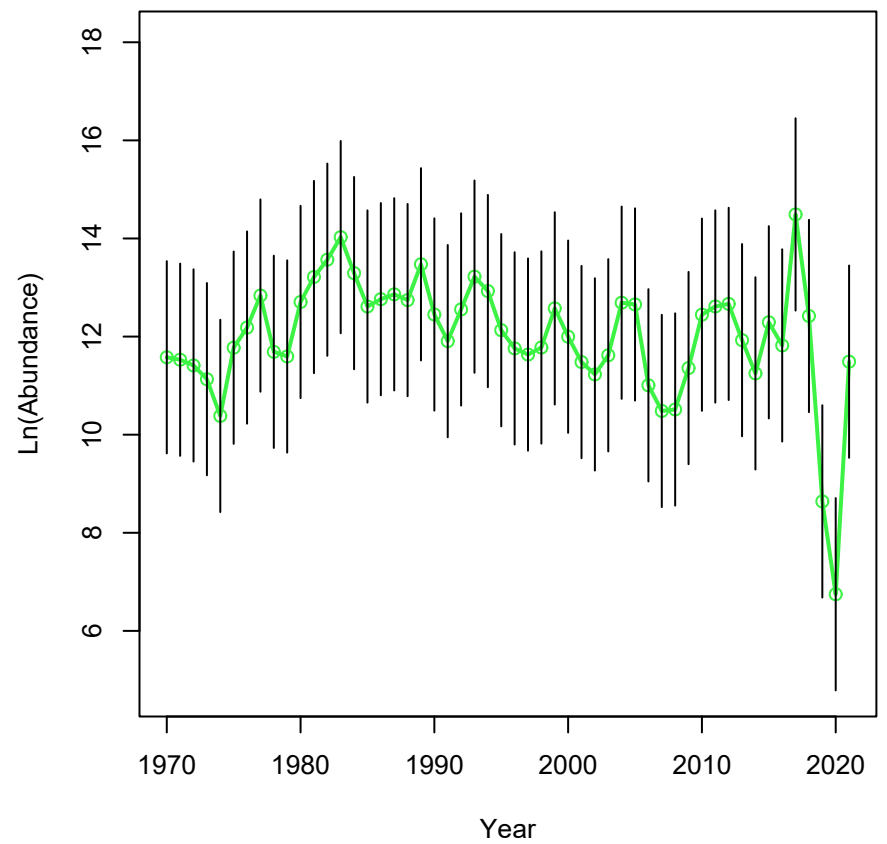
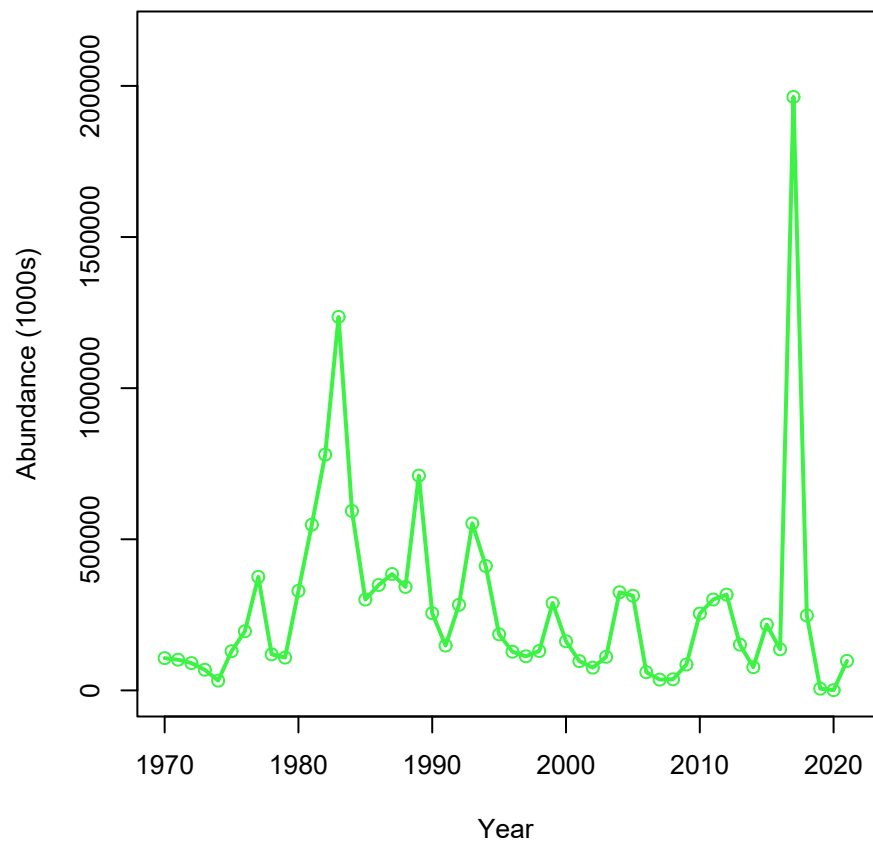
# Conditional Expected and Posterior Estimates of Age 3 Abundance



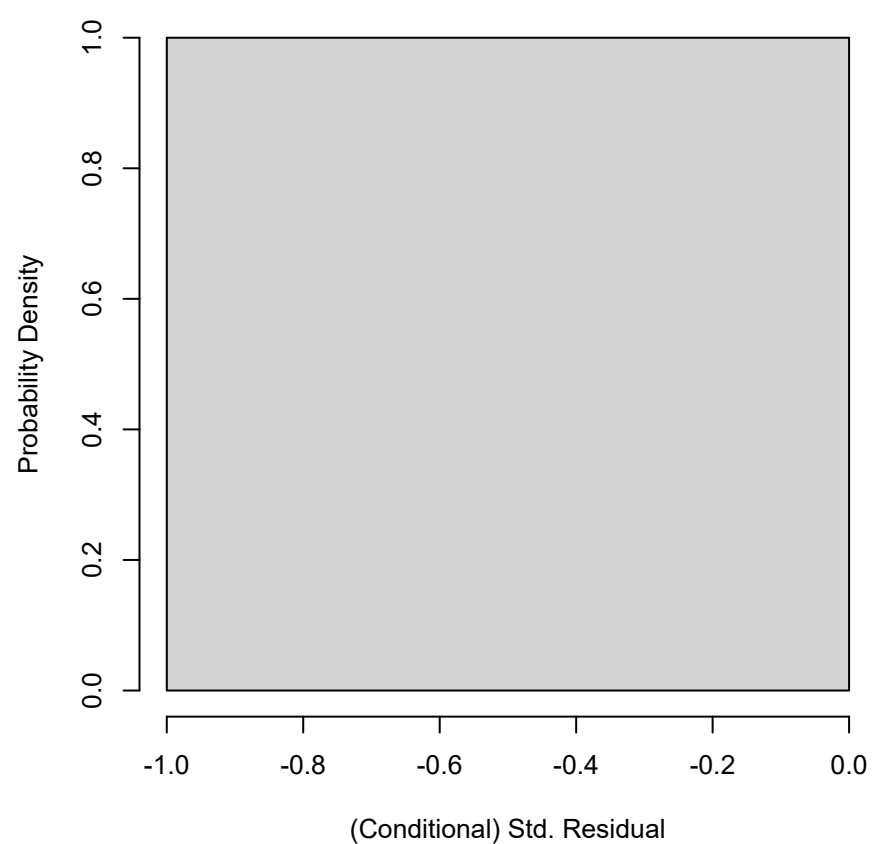
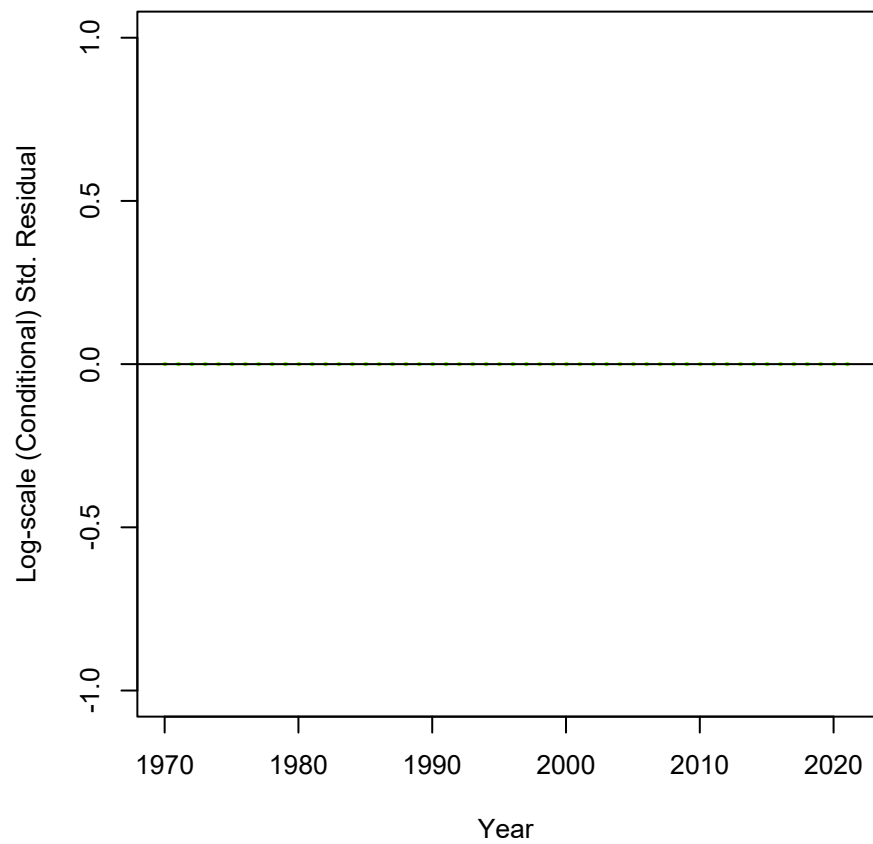
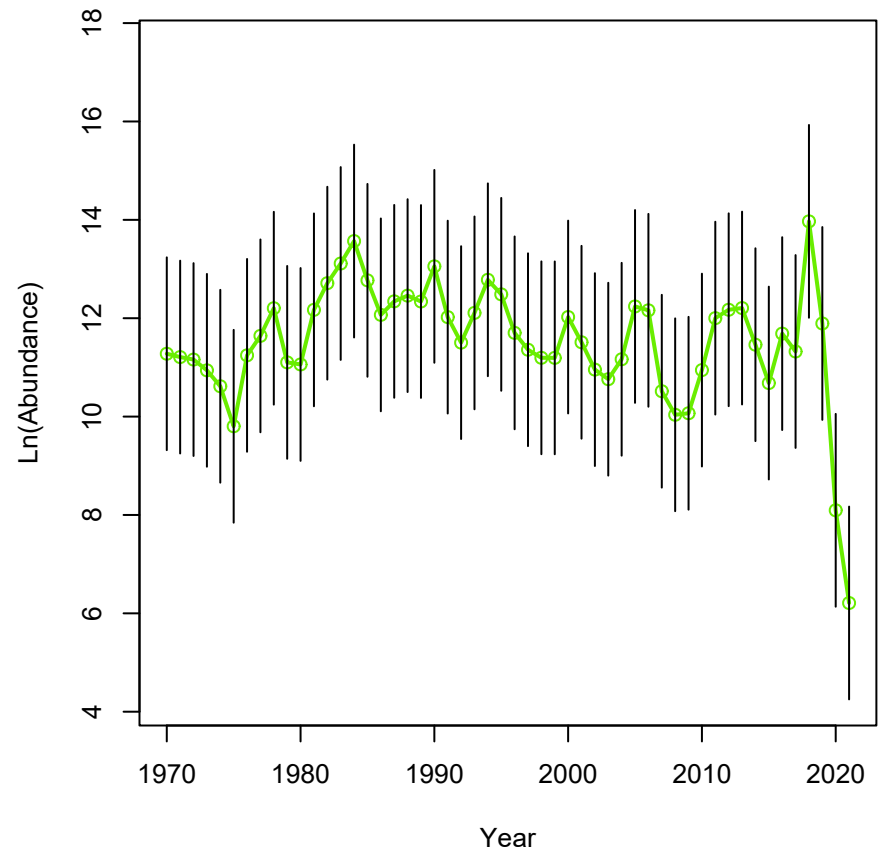
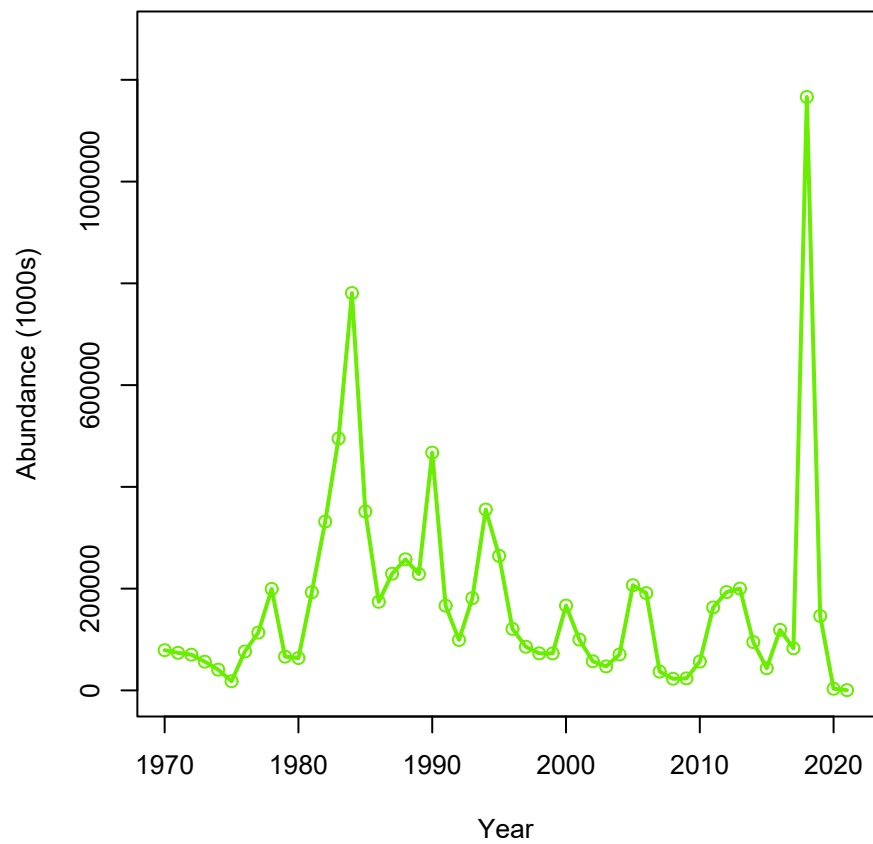
Conditional Expected and Posterior Estimates of Age 4 Abundance



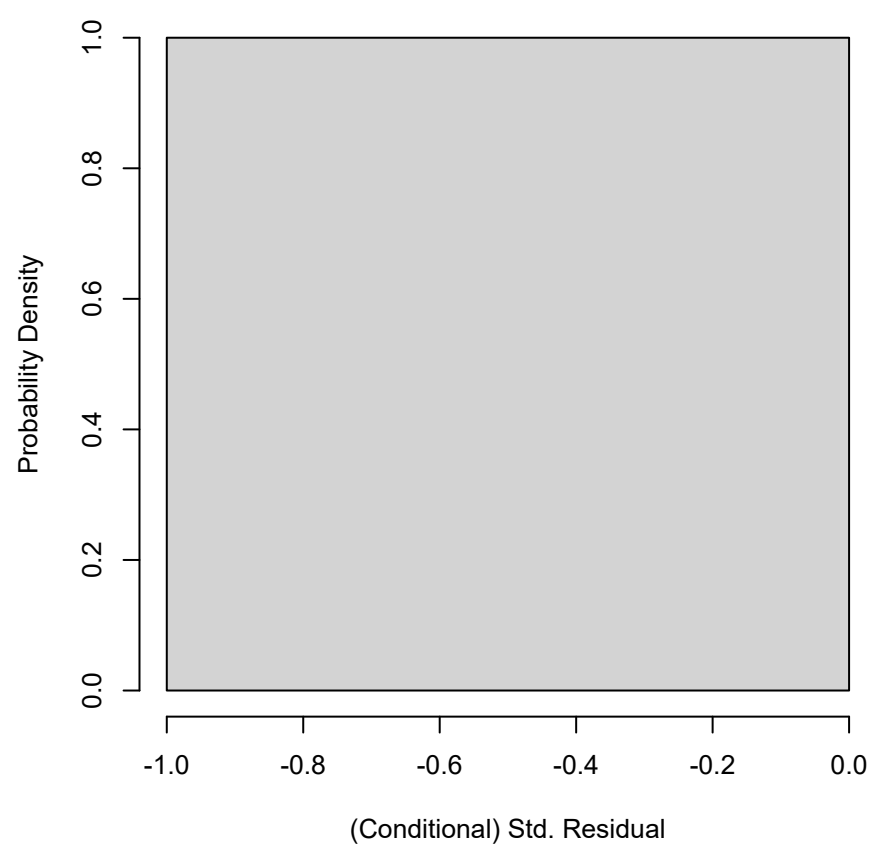
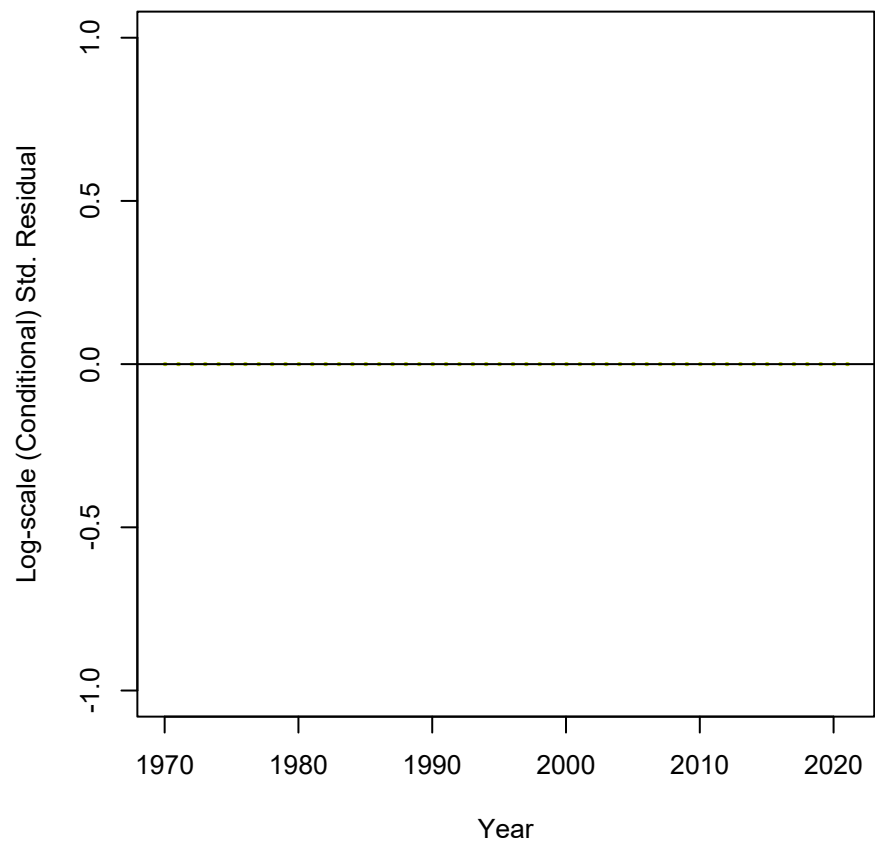
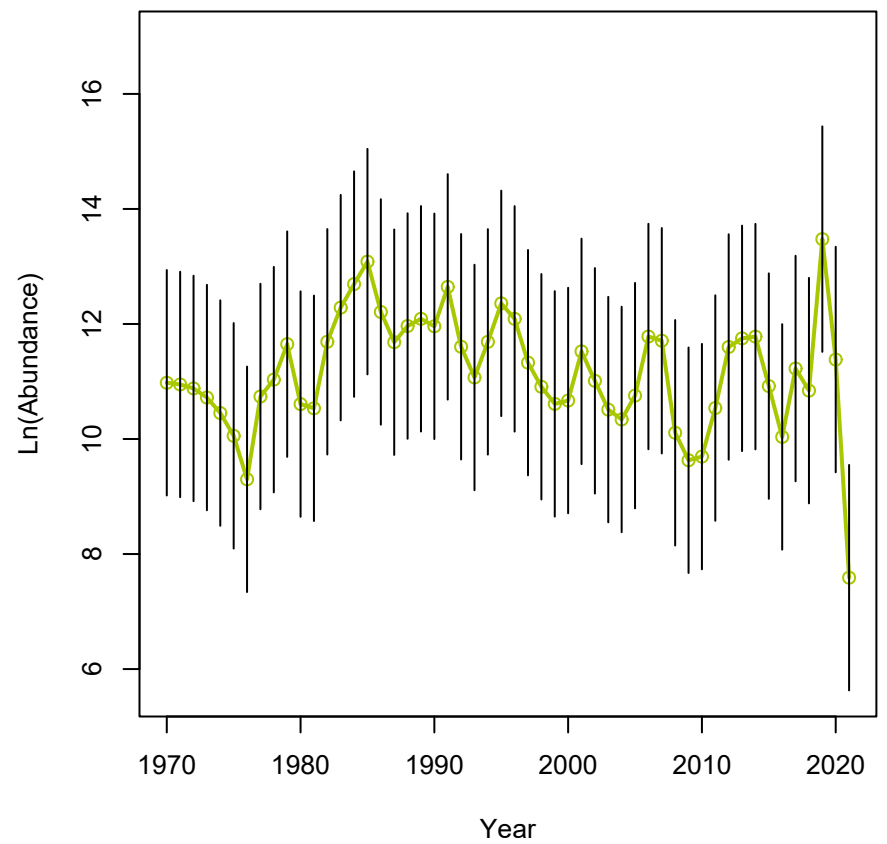
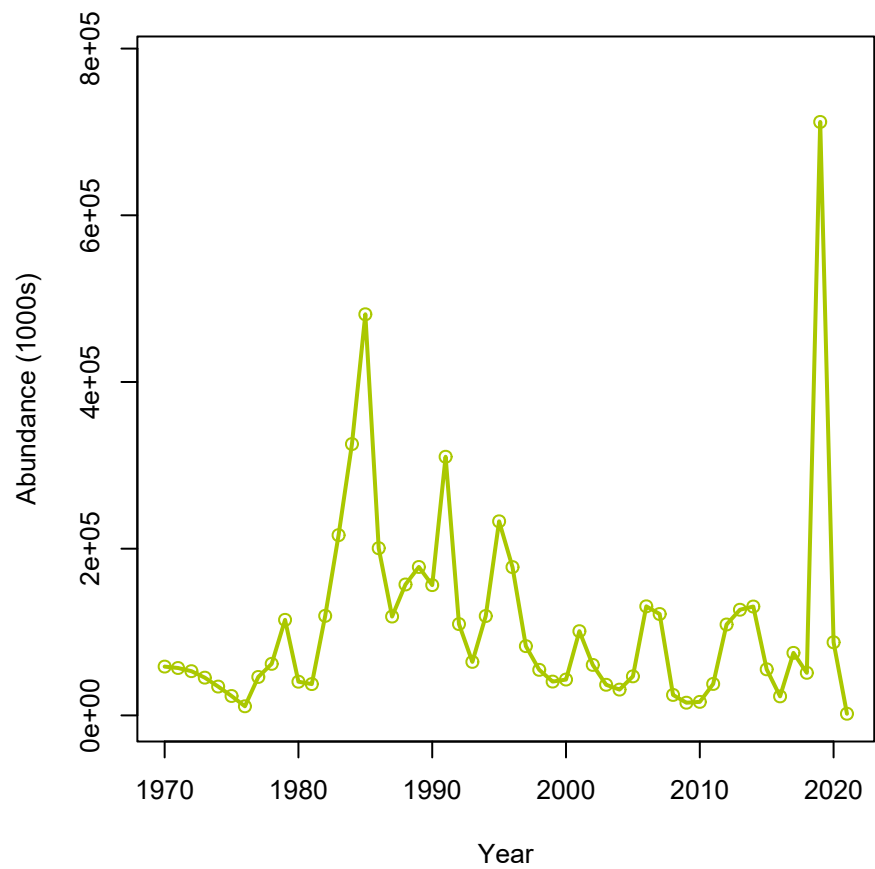
# Conditional Expected and Posterior Estimates of Age 5 Abundance



# Conditional Expected and Posterior Estimates of Age 6 Abundance

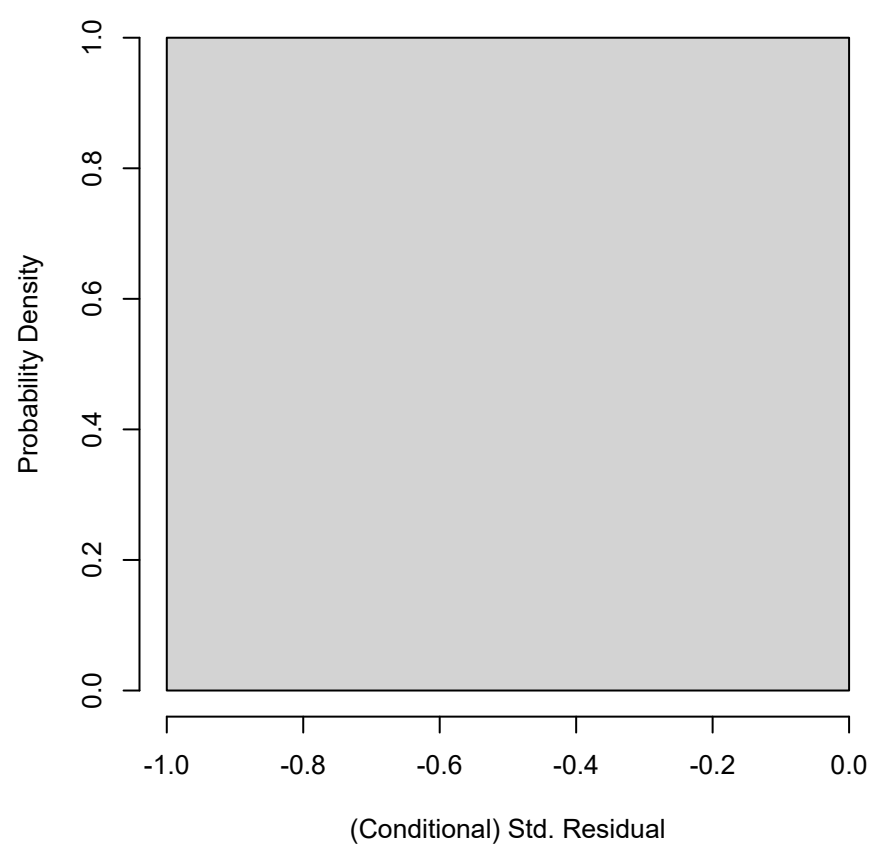
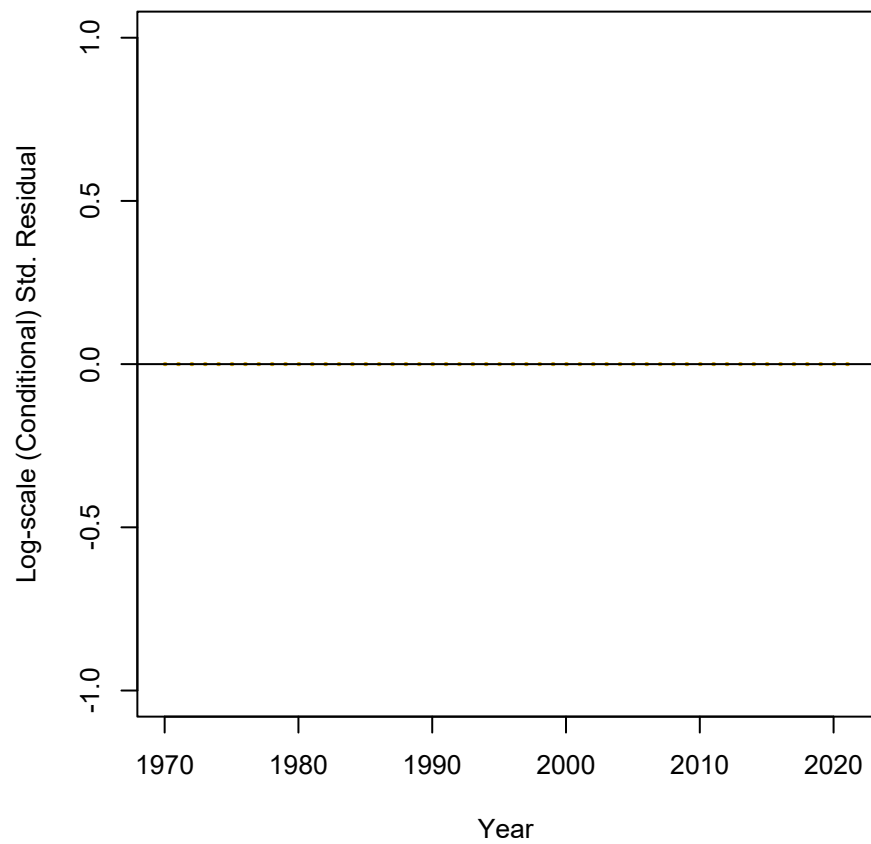
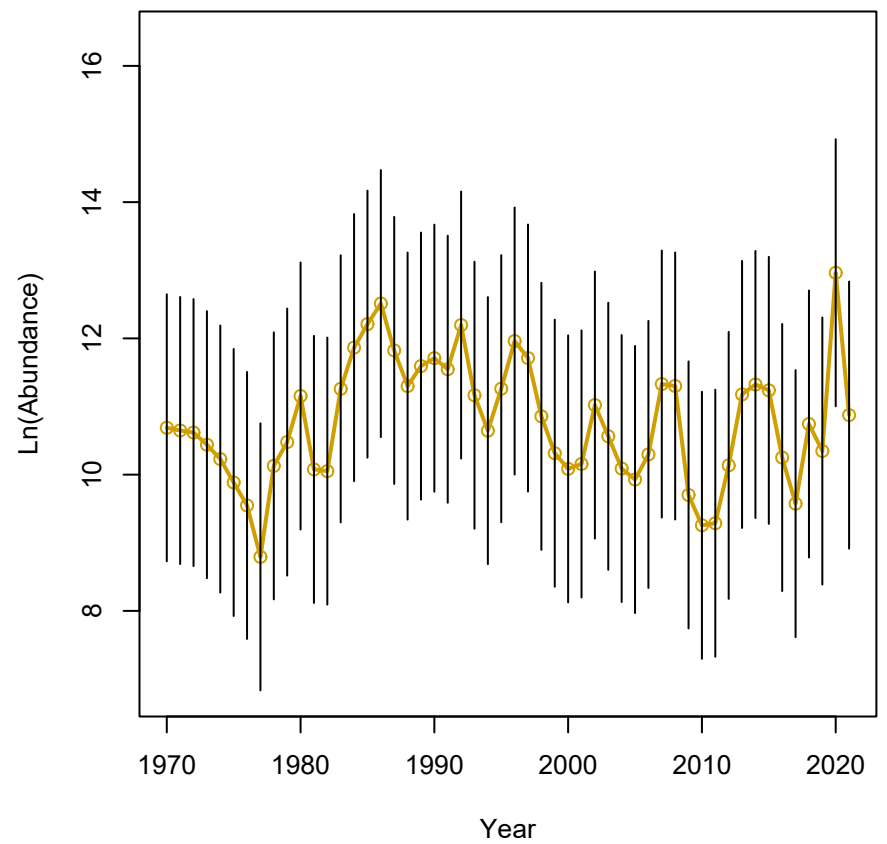
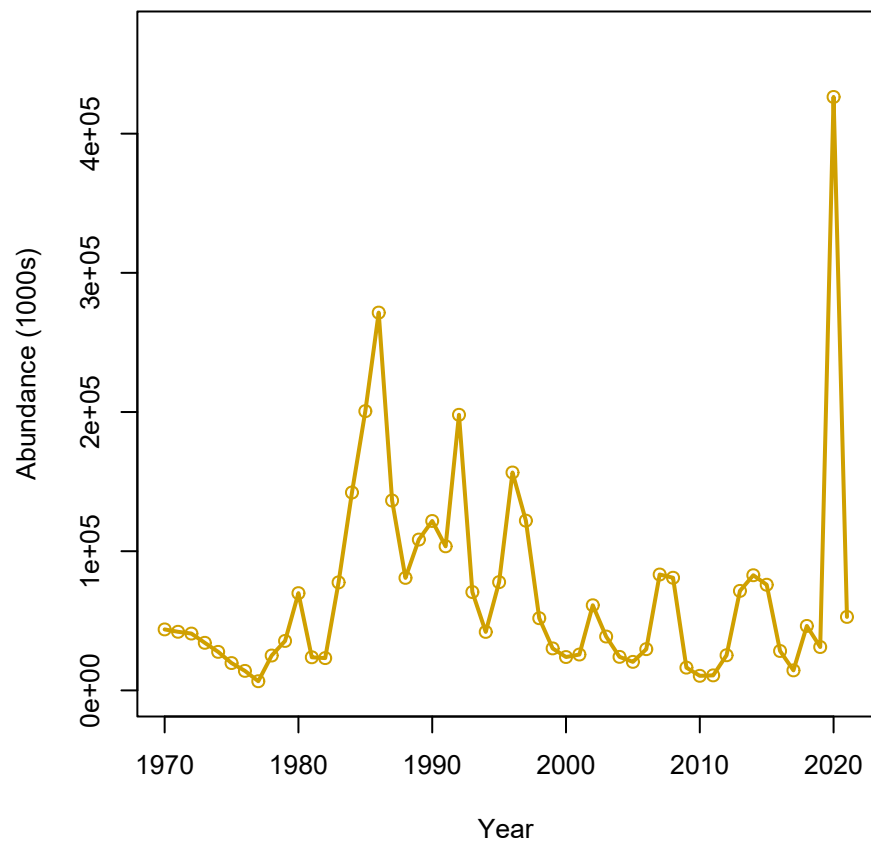


Conditional Expected and Posterior Estimates of Age 7 Abundance

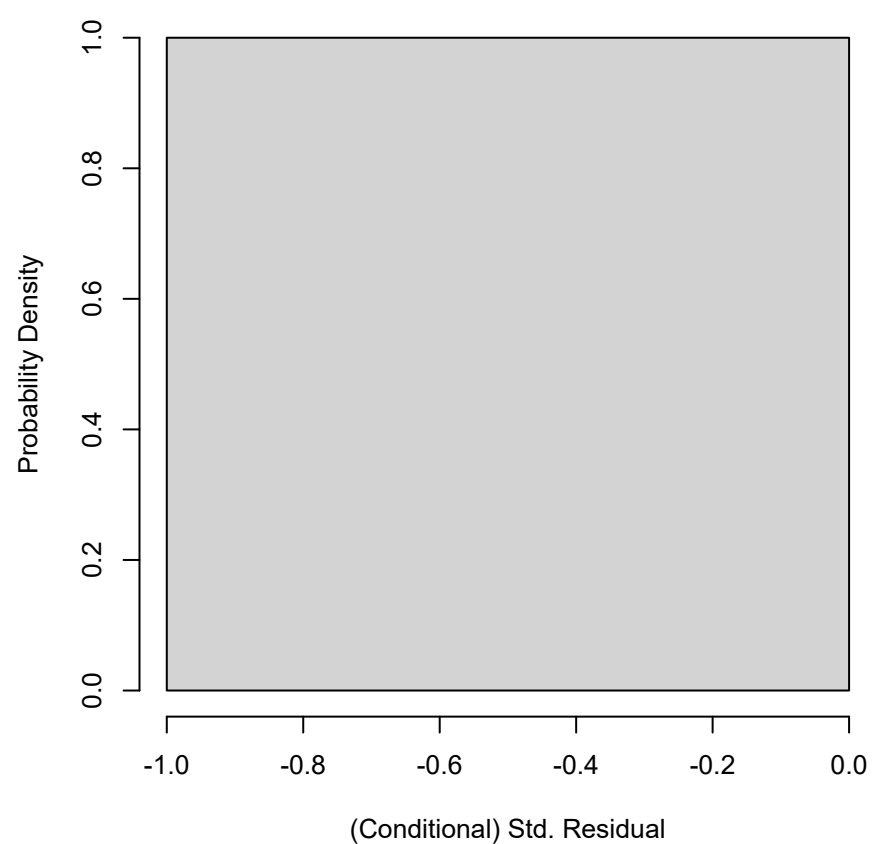
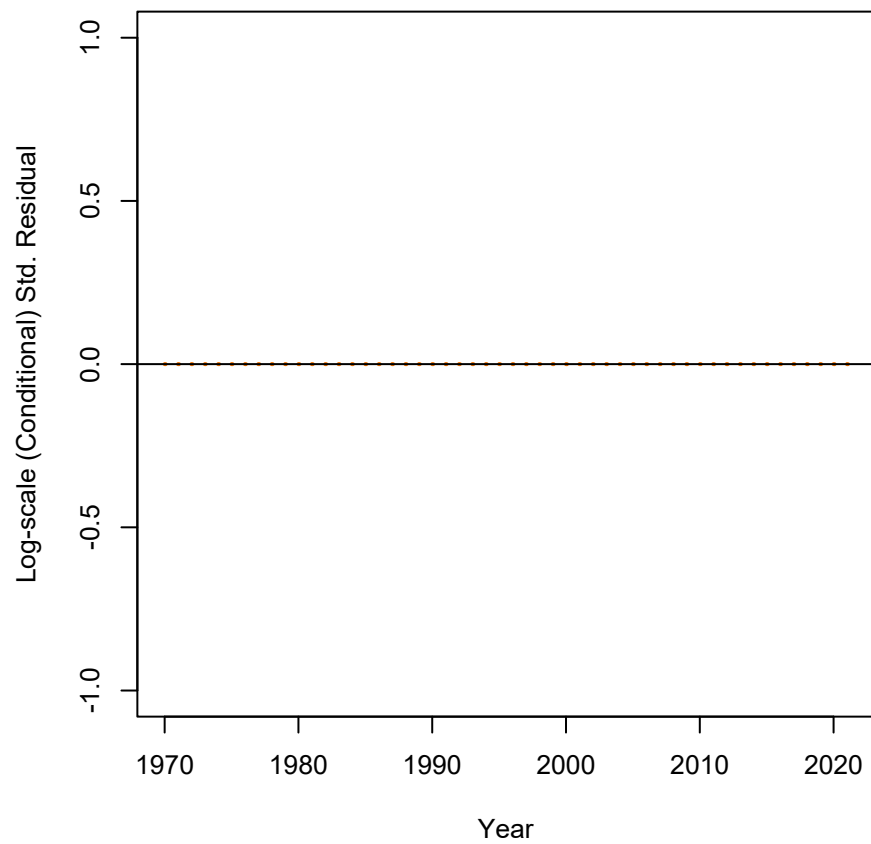
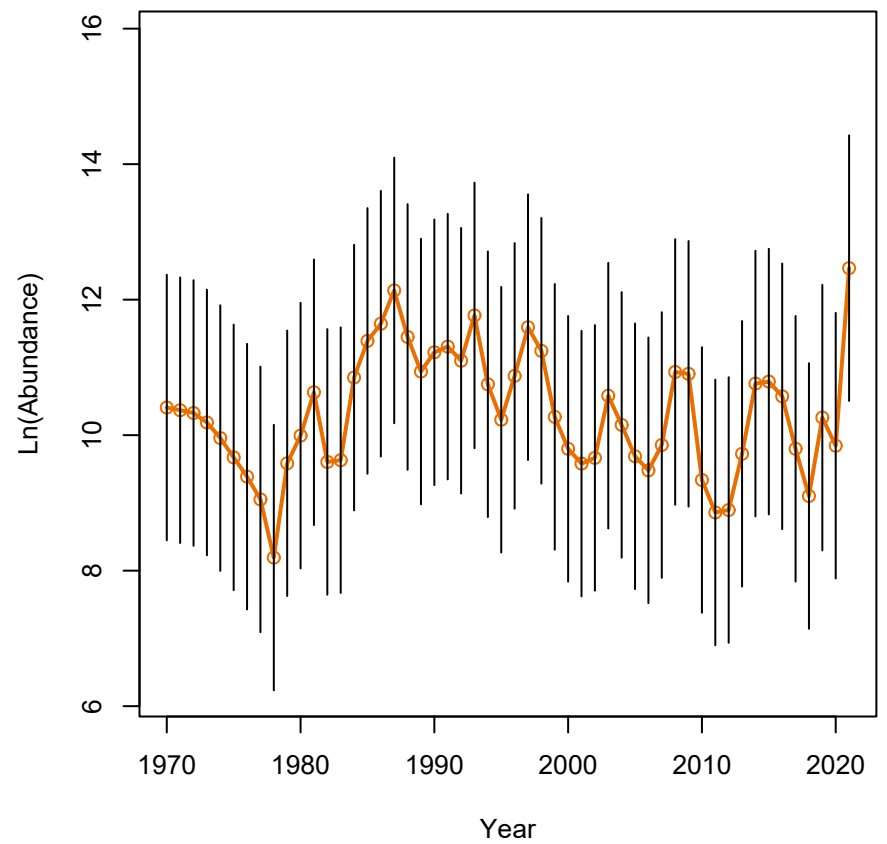
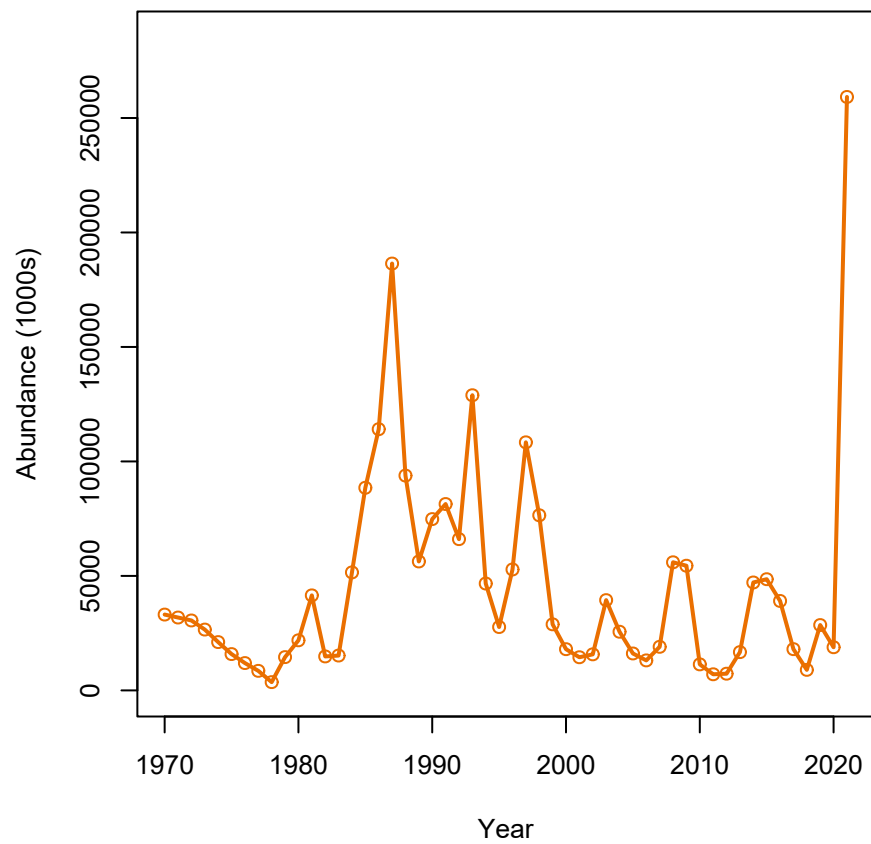




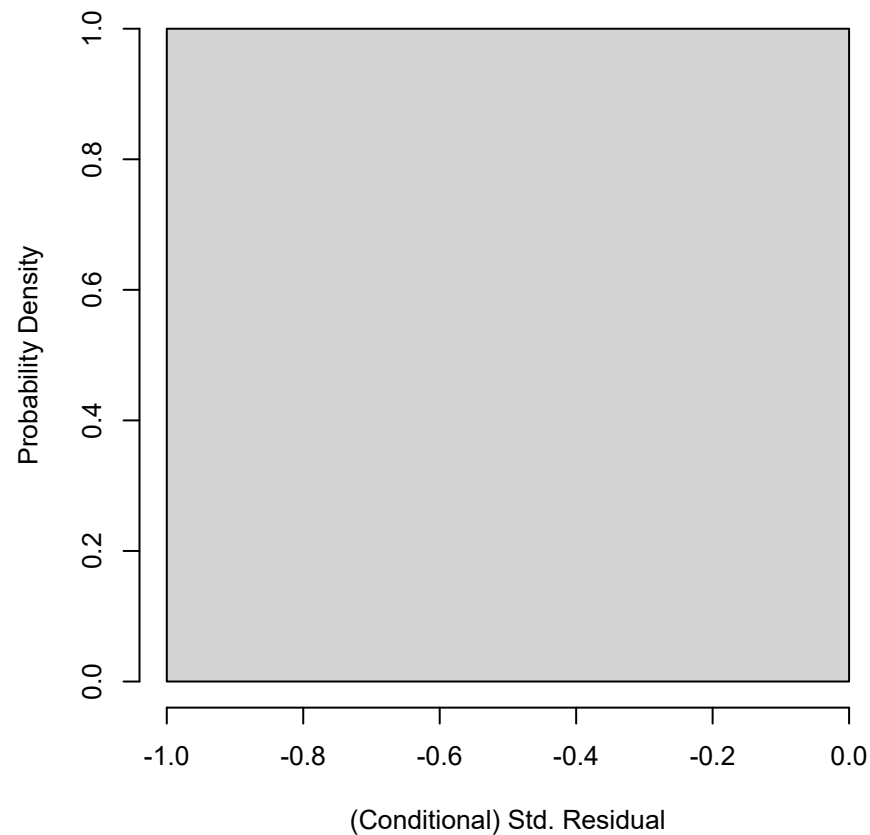
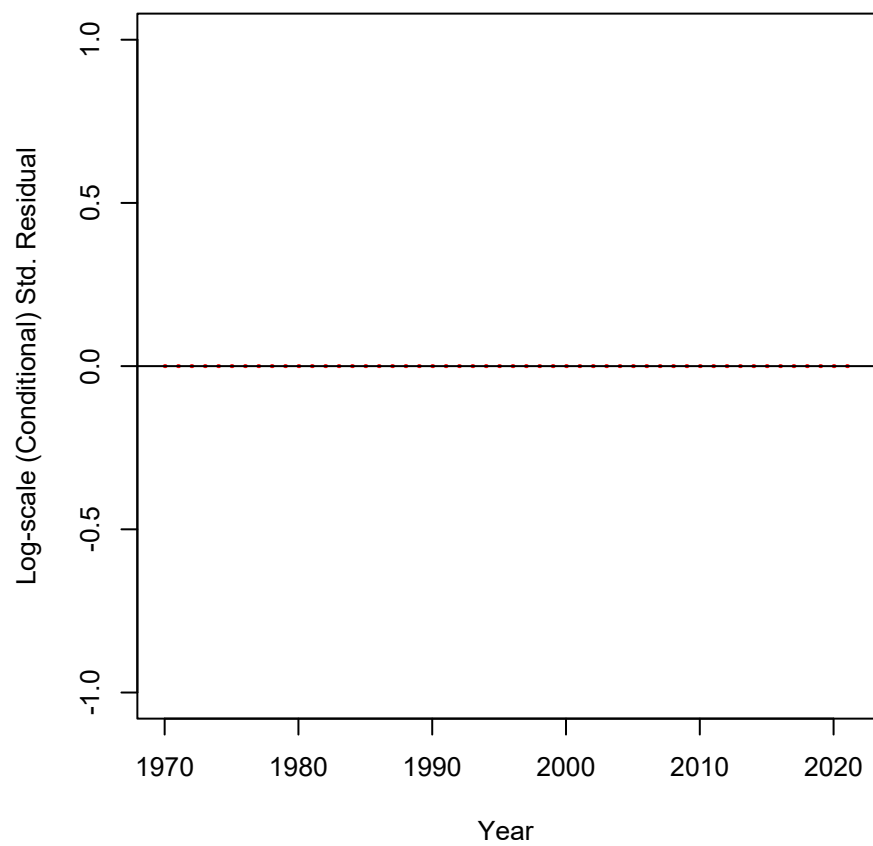
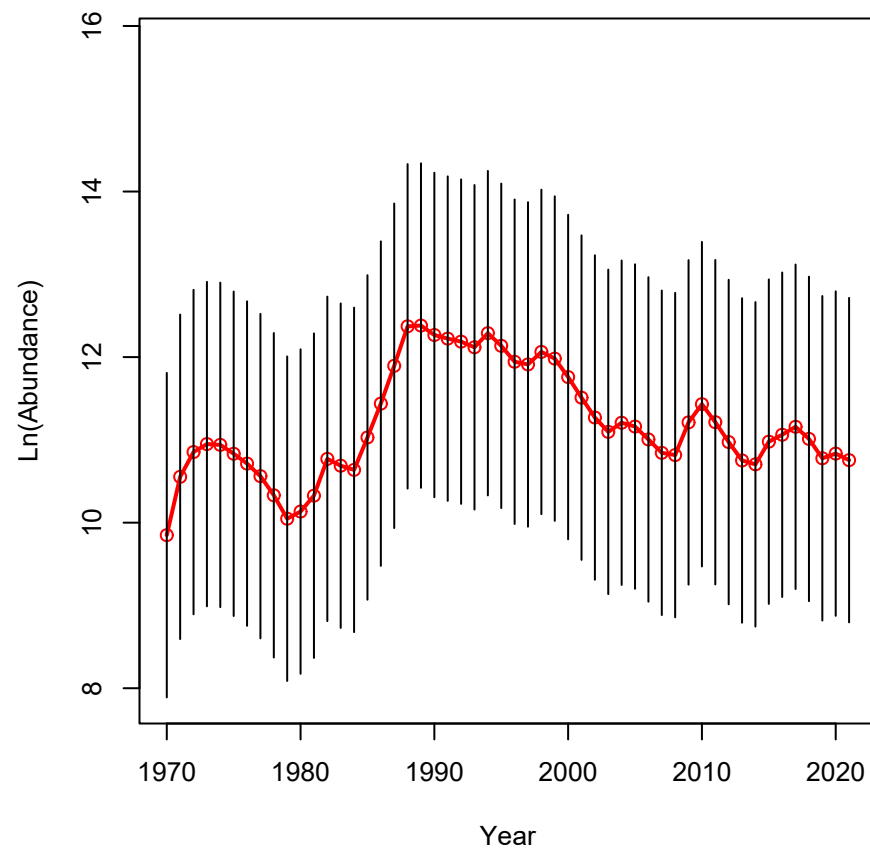
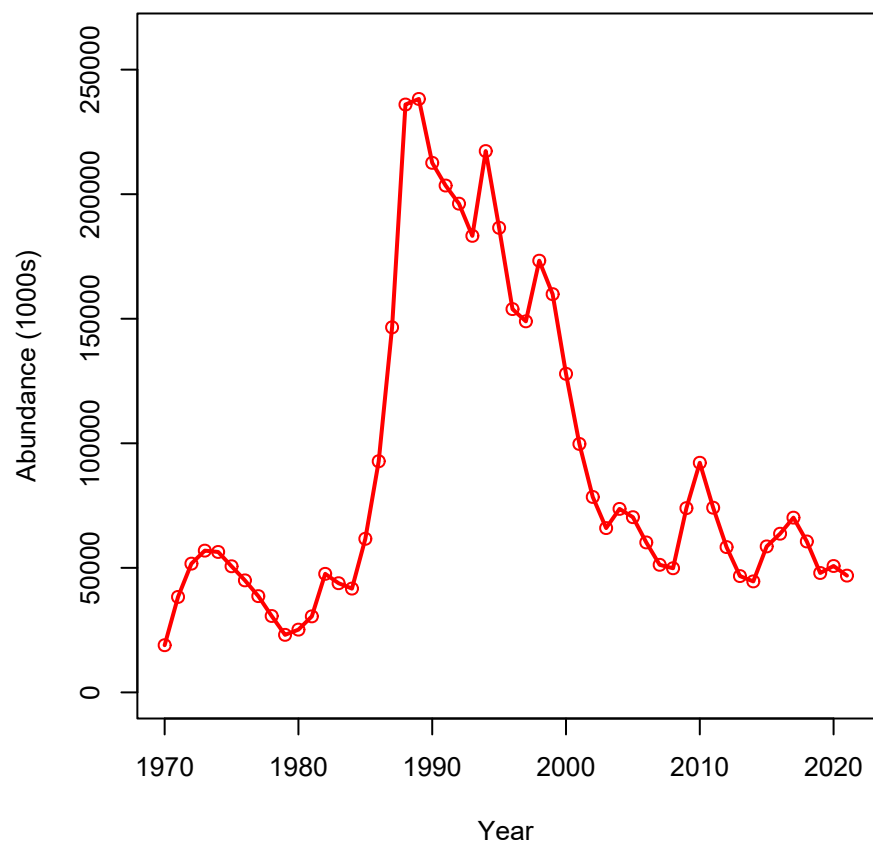
Conditional Expected and Posterior Estimates of Age 8 Abundance



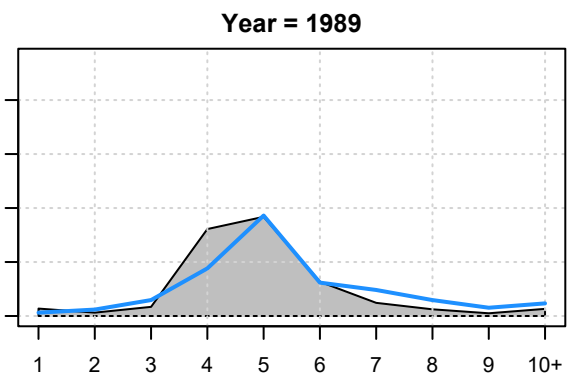
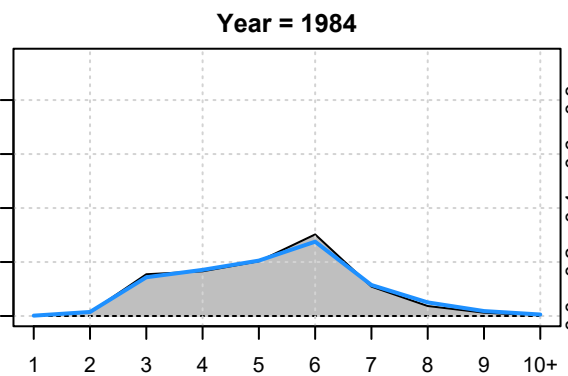
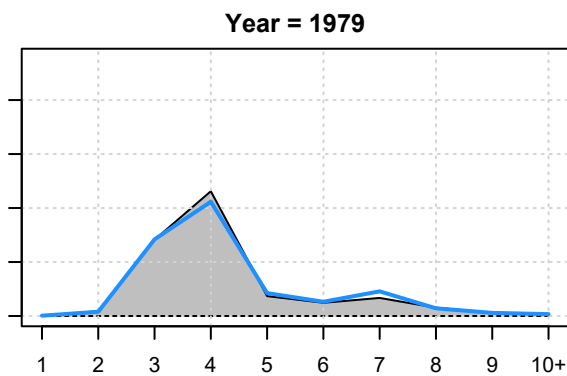
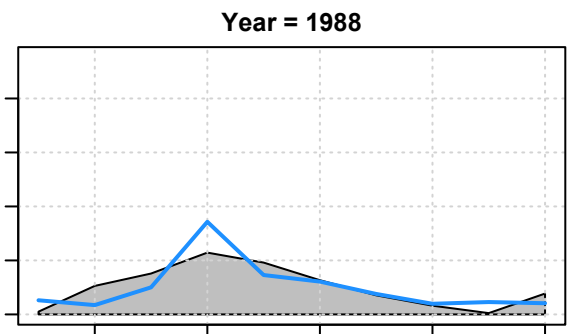
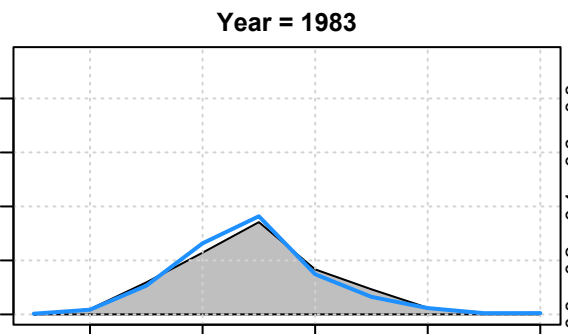
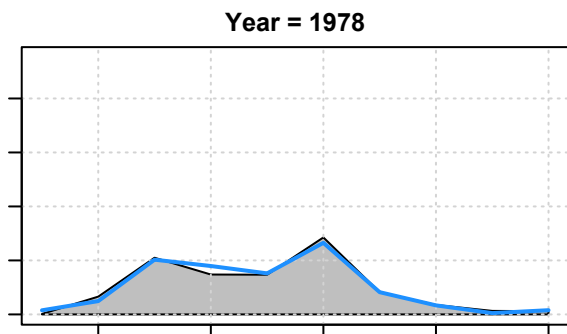
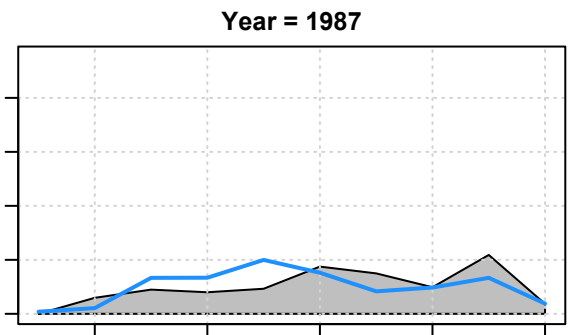
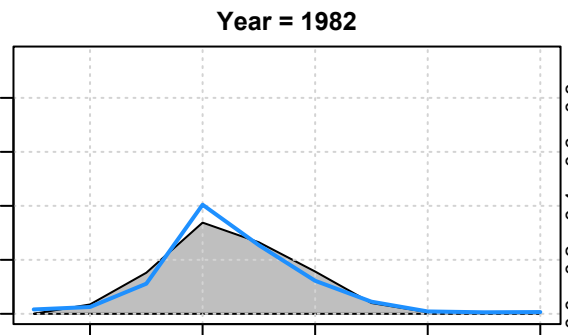
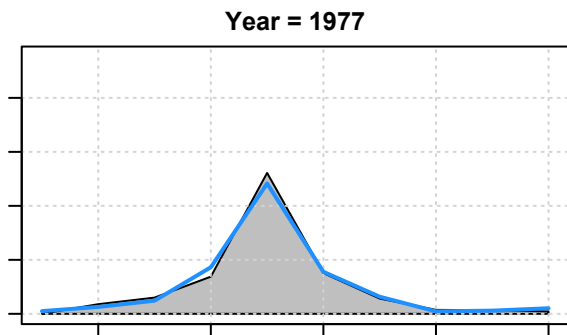
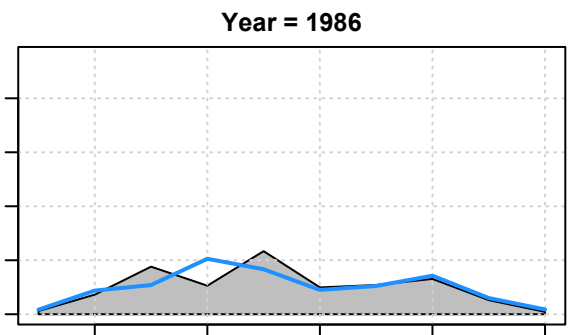
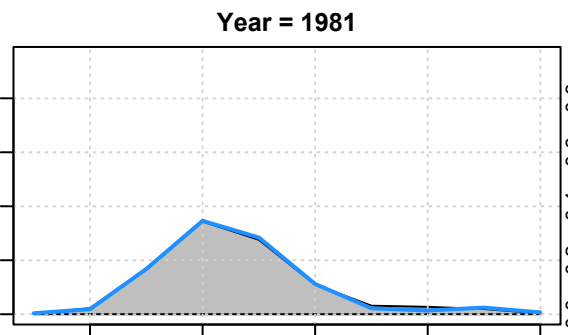
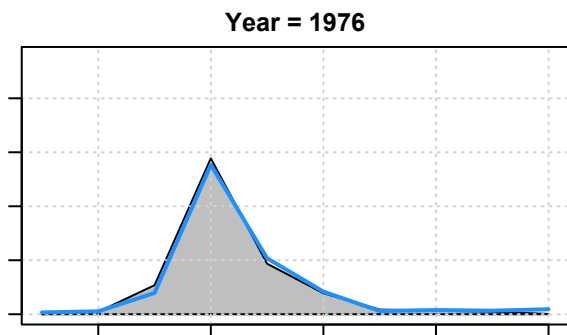
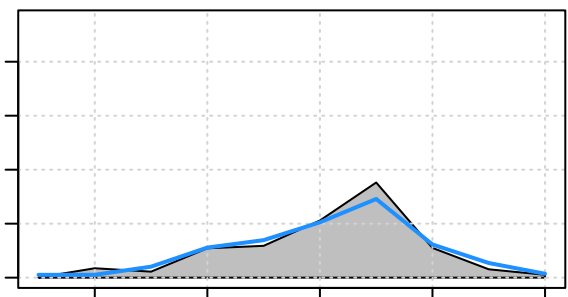
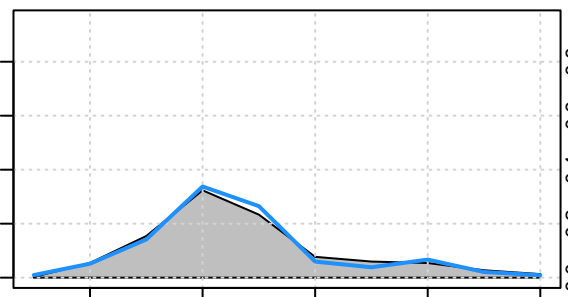
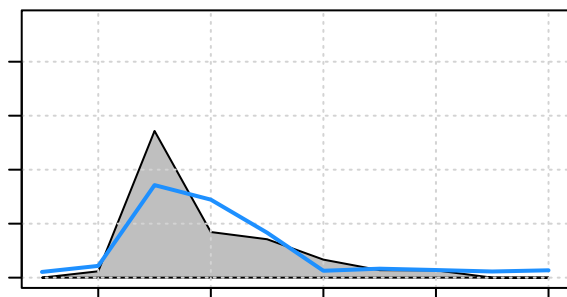
# Conditional Expected and Posterior Estimates of Age 9 Abundance



Conditional Expected and Posterior Estimates of Age 10 Abundance



**Fleet 1**  
**Year = 1980**



Proportion

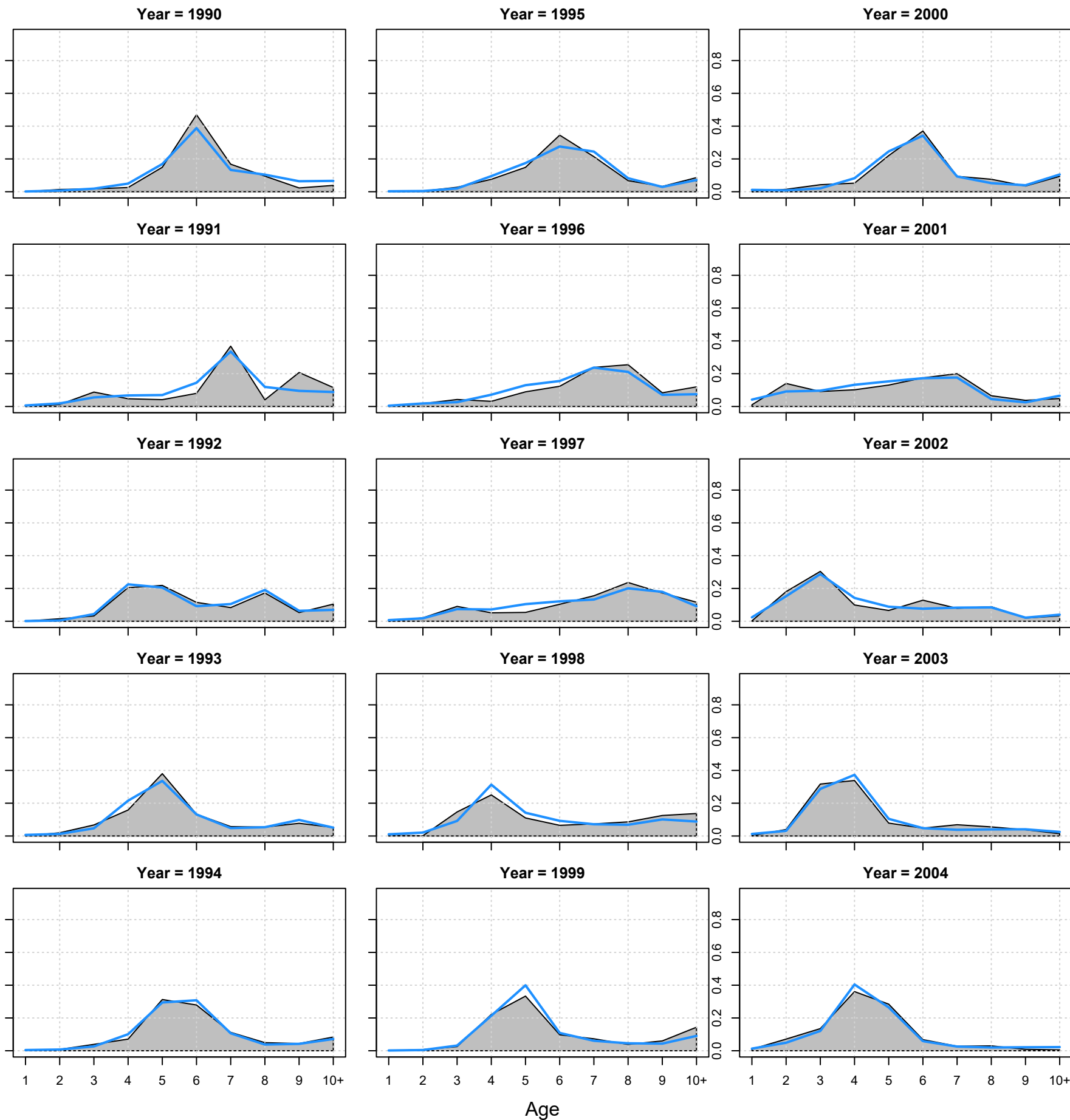
1 2 3 4 5 6 7 8 9 10+

1 2 3 4 5 6 7 8 9 10+

1 2 3 4 5 6 7 8 9 10+

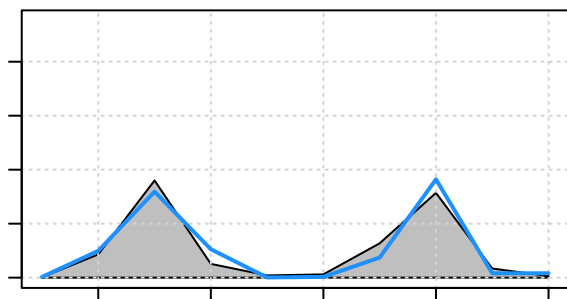
Age

**Fleet 1**  
**Year = 1995**

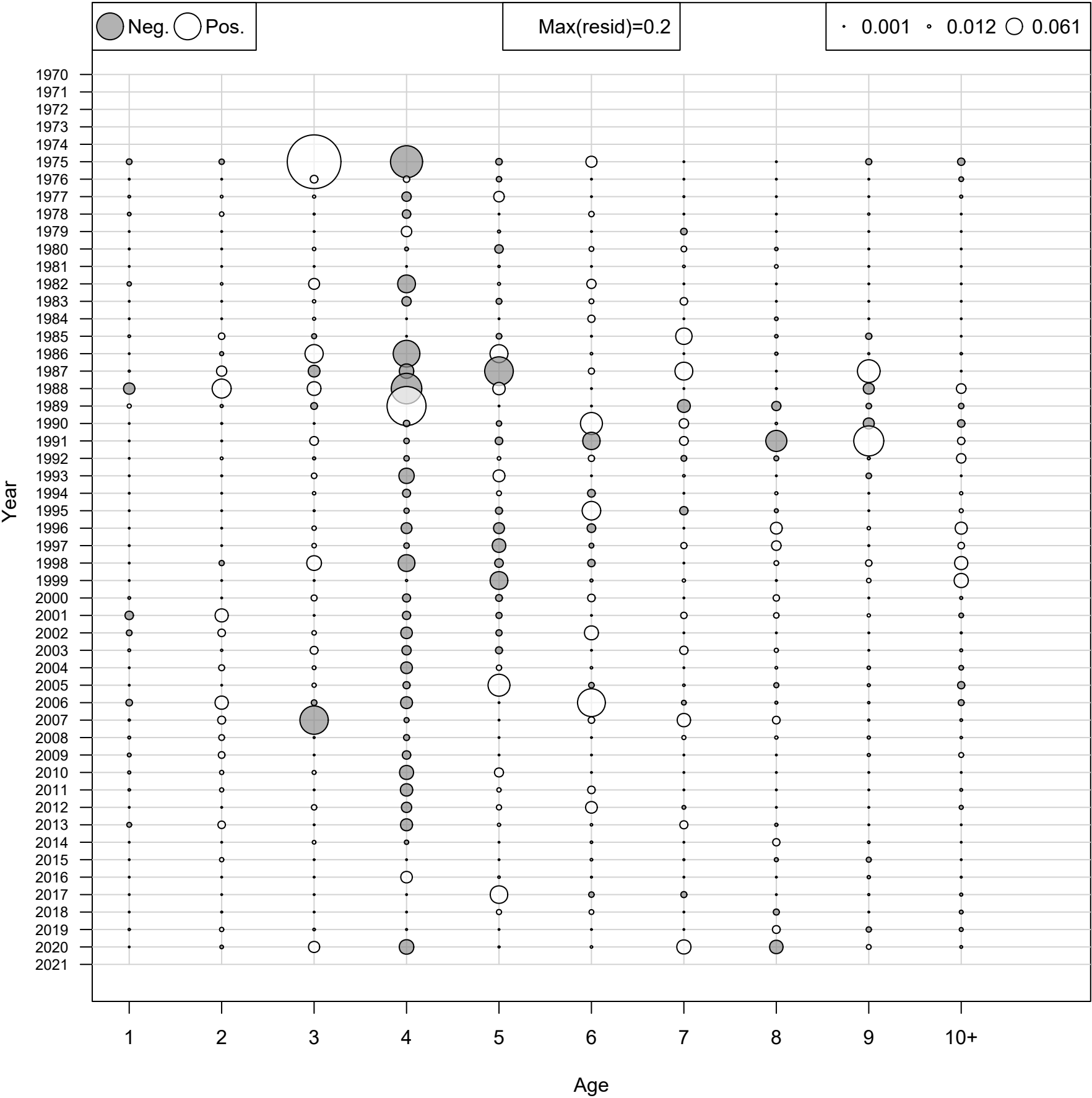




Year = 2020

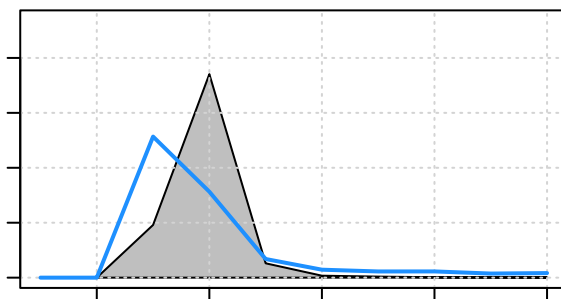
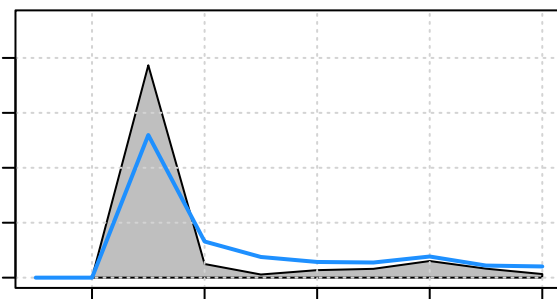
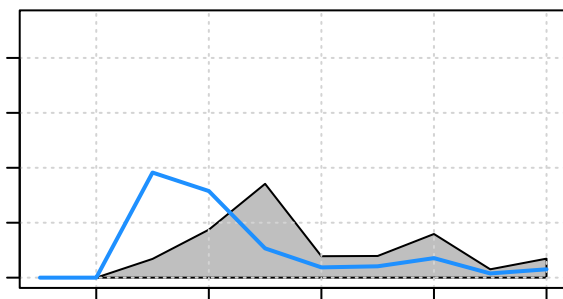


Age Comp Residuals (Observed-Predicted) for Fleet 1

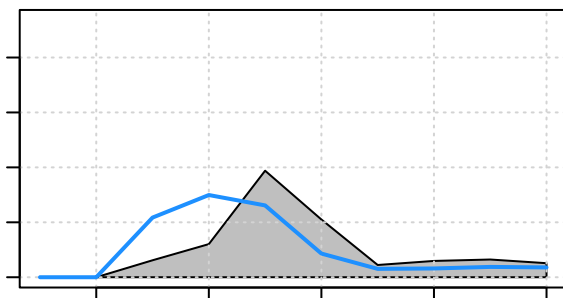




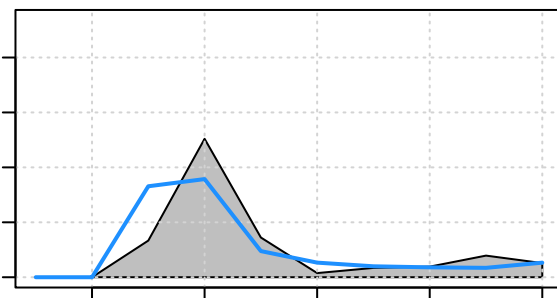
Index 1  
Year = 1997



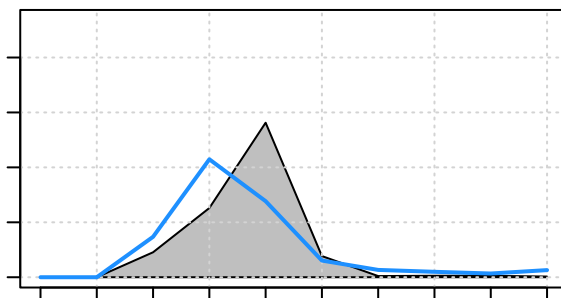
Year = 1993



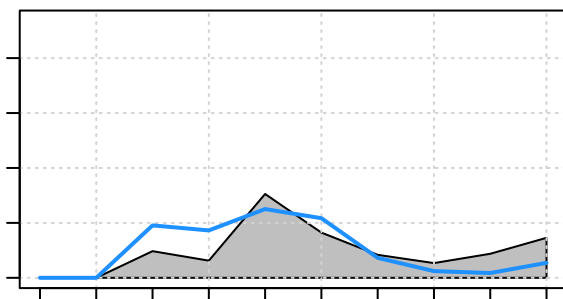
Year = 1998



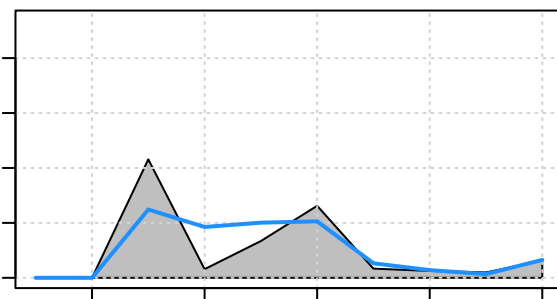
Year = 2004



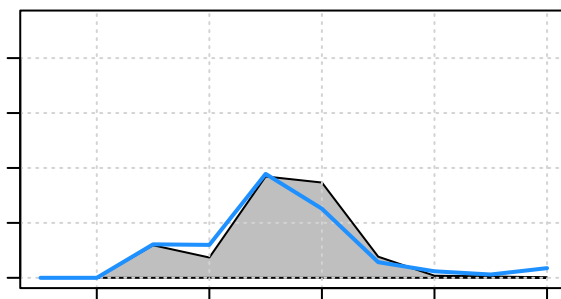
Year = 1994



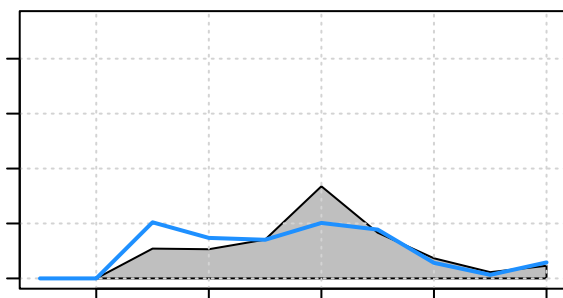
Year = 2000



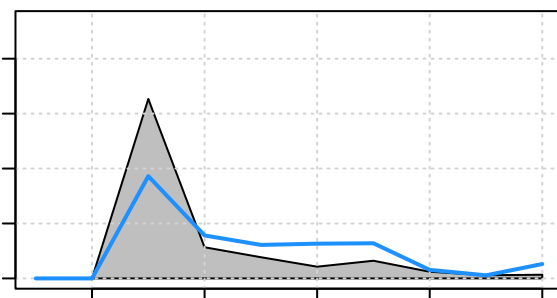
Year = 2005



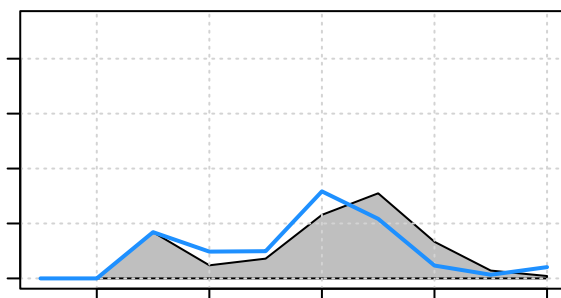
Year = 1995



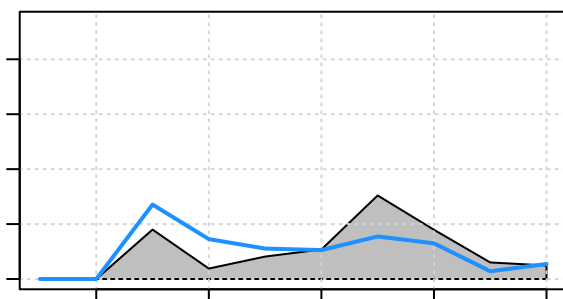
Year = 2001



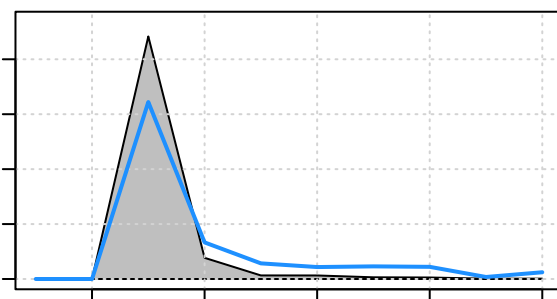
Year = 2006



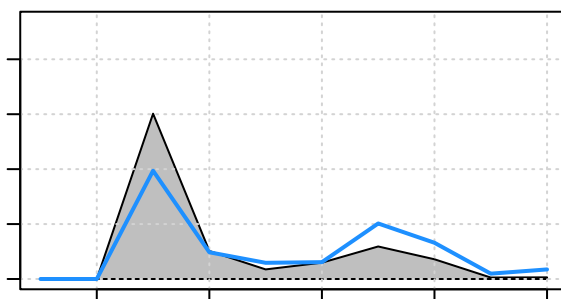
Year = 1996



Year = 2002



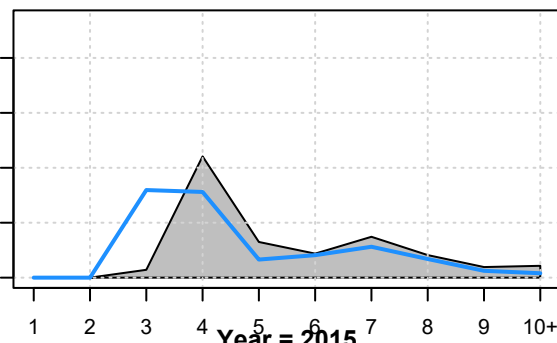
Year = 2007



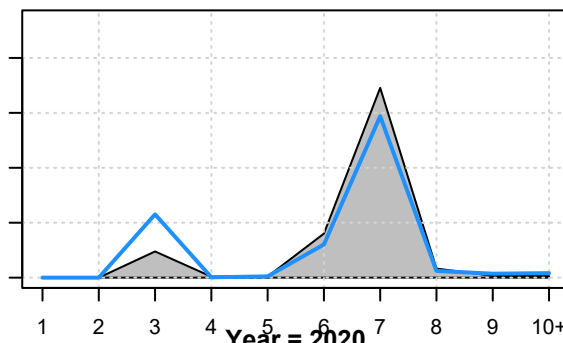
Age

Proportion

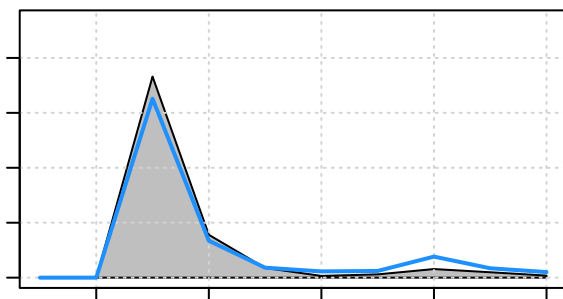
Index 1  
Year = 2014



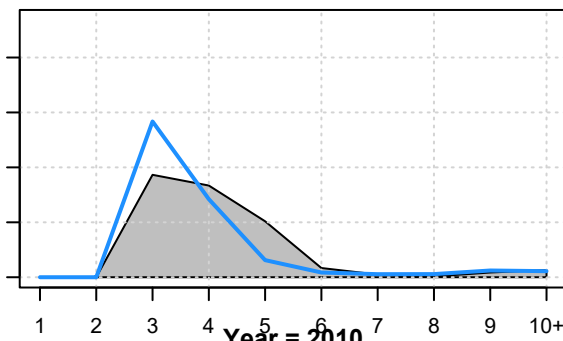
Year = 2019



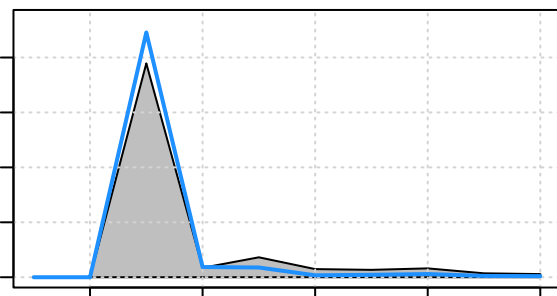
Year = 2008



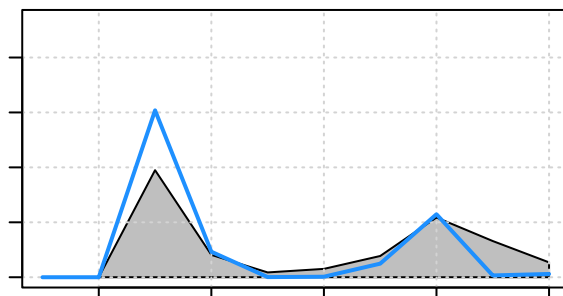
Year = 2009



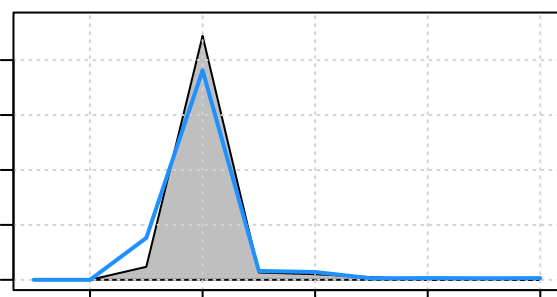
Year = 2015



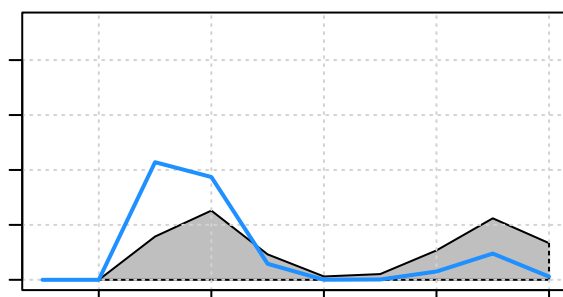
Year = 2020



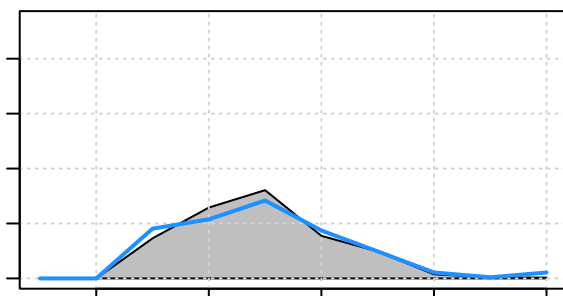
Year = 2016



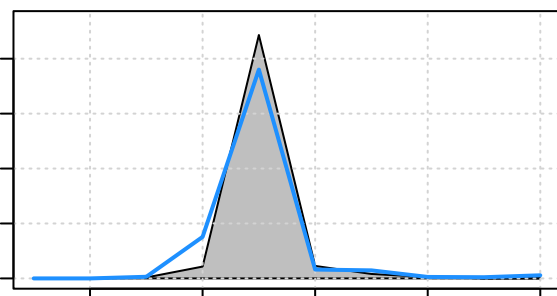
Year = 2021



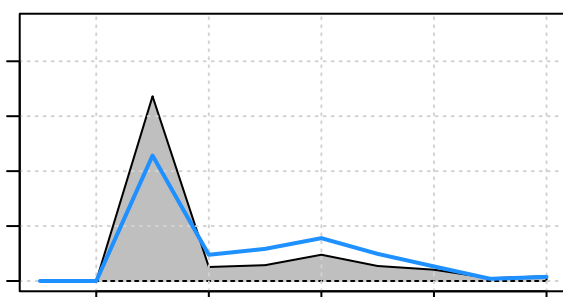
Year = 2012



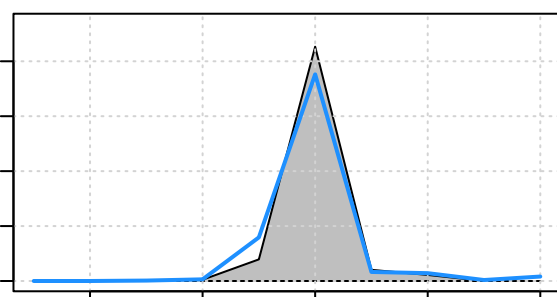
Year = 2017



Year = 2013



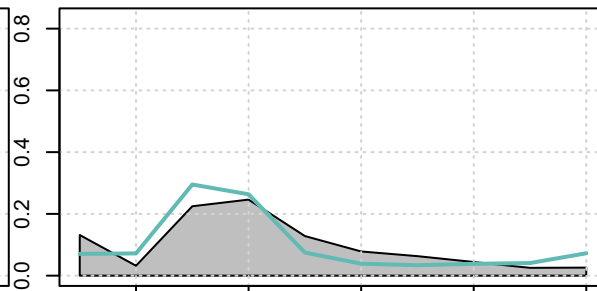
Year = 2018



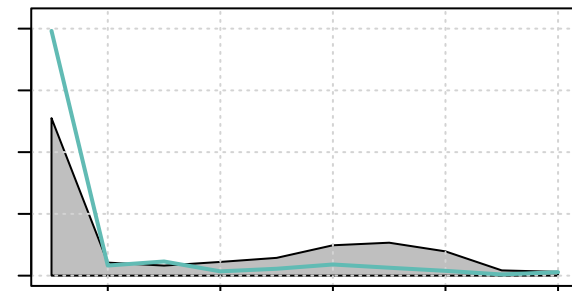
Age

Proportion

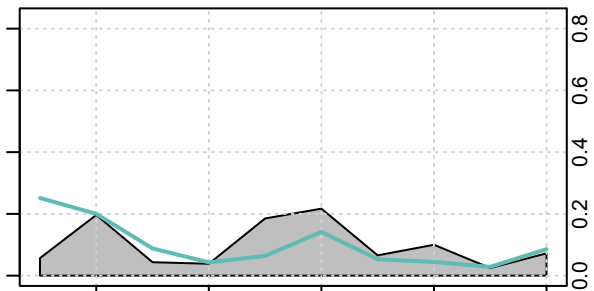
Index 2  
Year = 2003



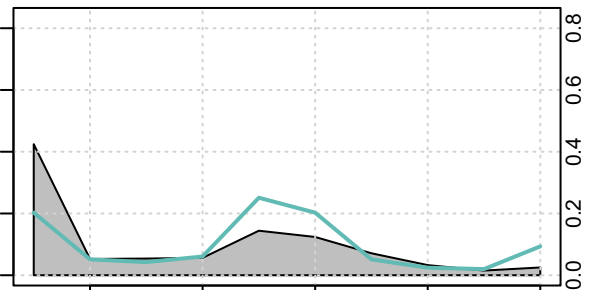
Year = 2013



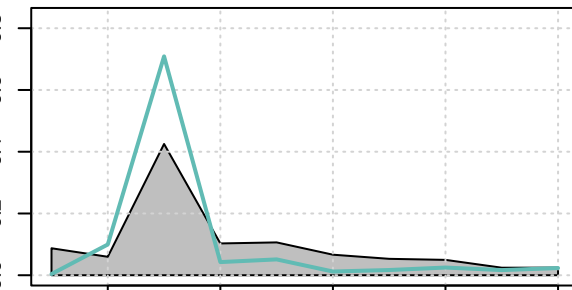
Year = 1990



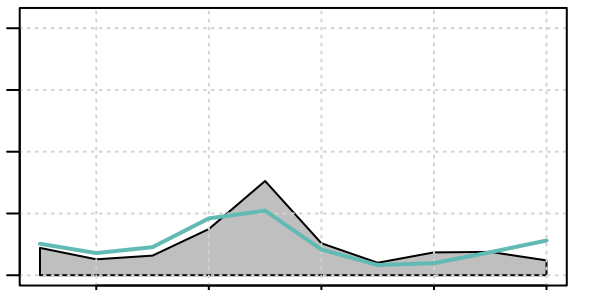
Year = 2005



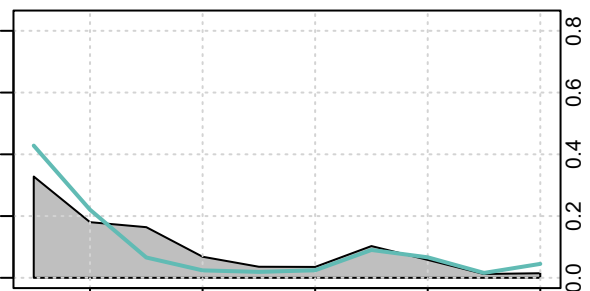
Year = 2015



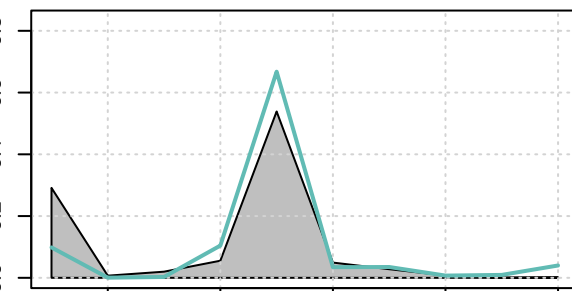
Year = 1993



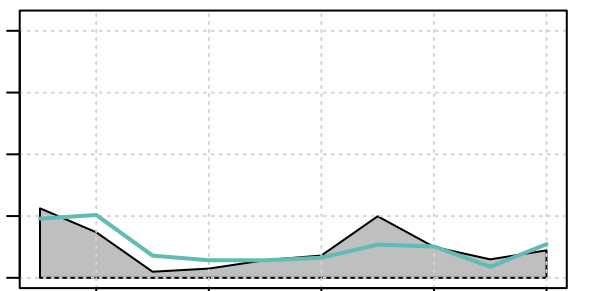
Year = 2007



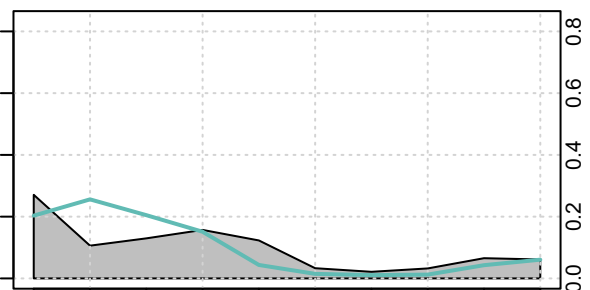
Year = 2017



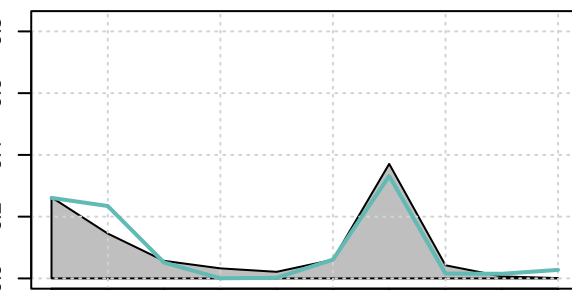
Year = 1996



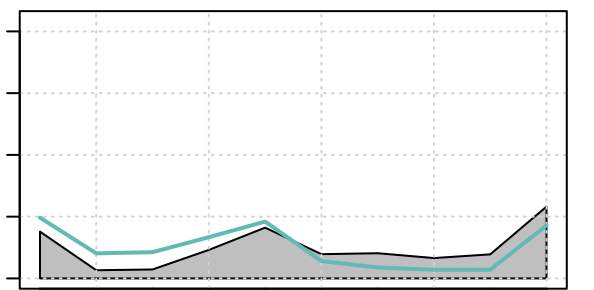
Year = 2009



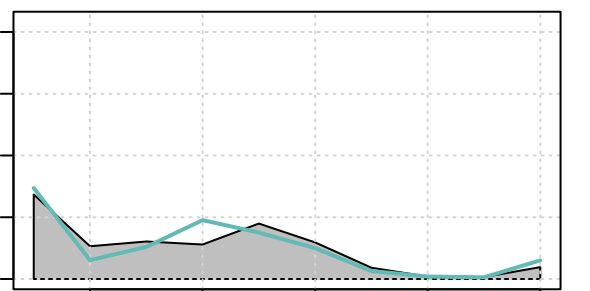
Year = 2019



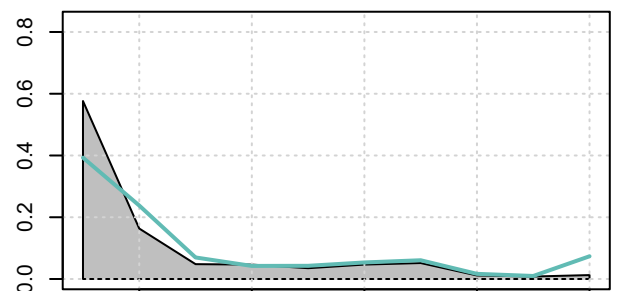
Year = 1999



Year = 2011



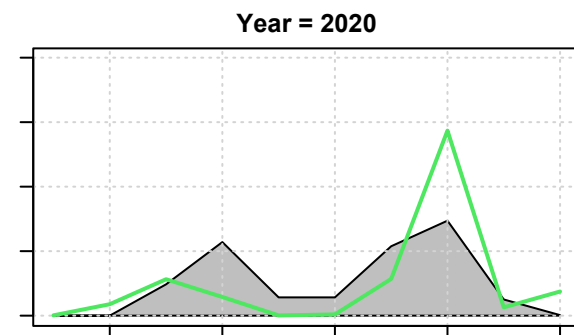
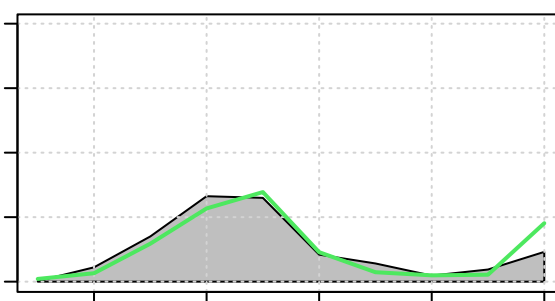
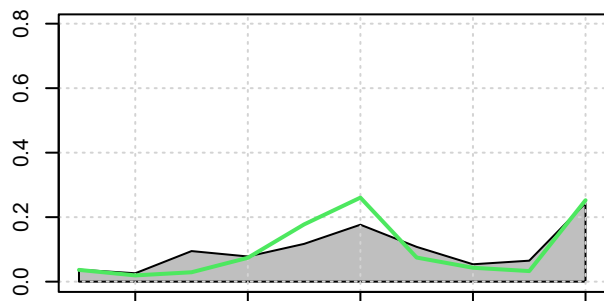
Year = 2001



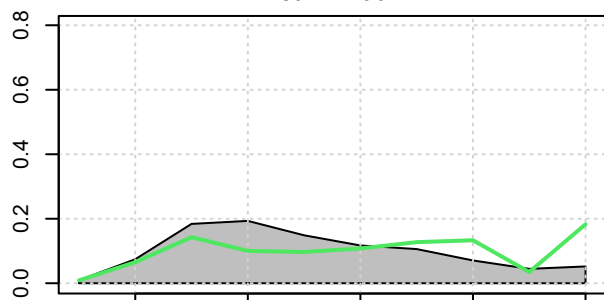
Age

Proportion

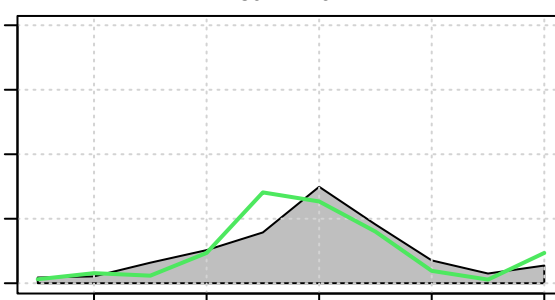
Index 3  
Year = 2010



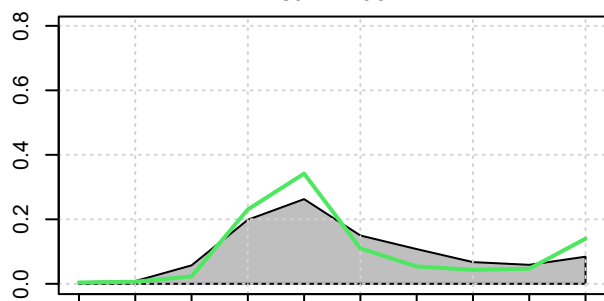
Year = 2002



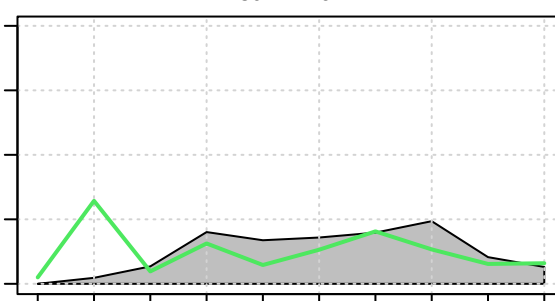
Year = 2012



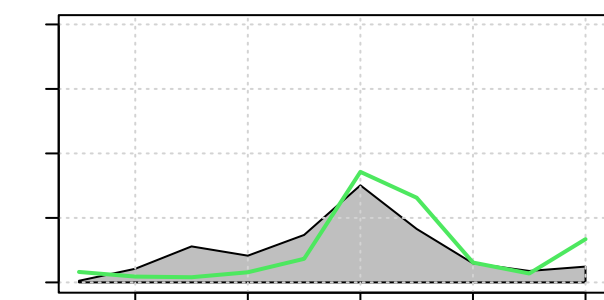
Year = 2004



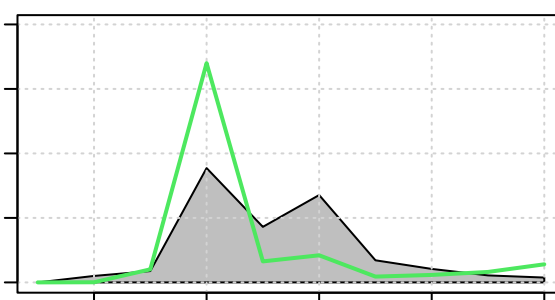
Year = 2014



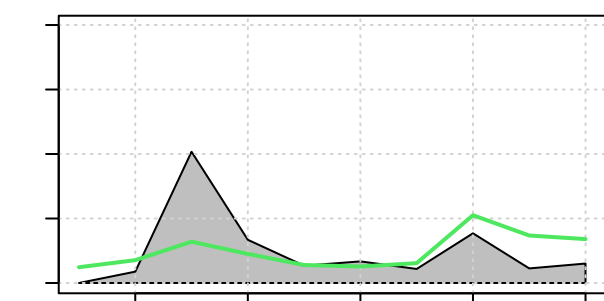
Year = 2006



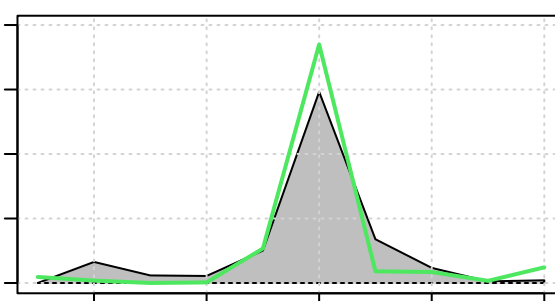
Year = 2016



Year = 2008

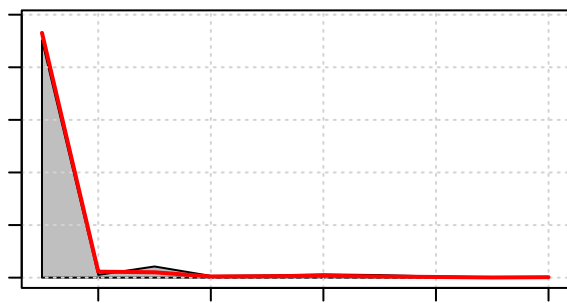


Year = 2018

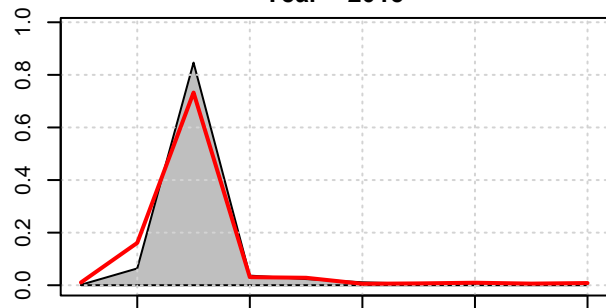


Age

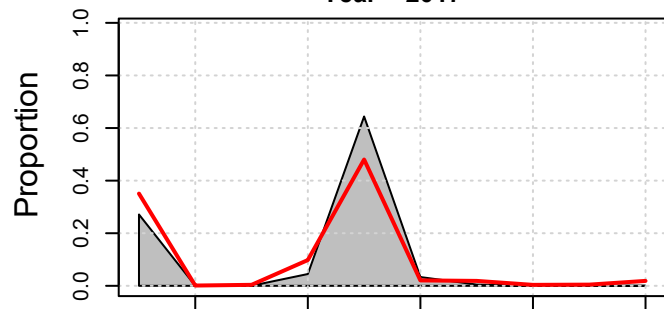
Year = 2013



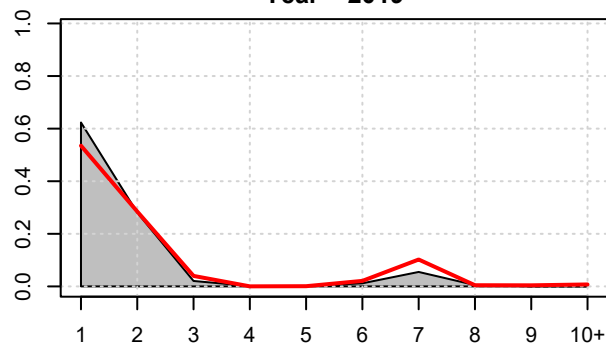
Year = 2015



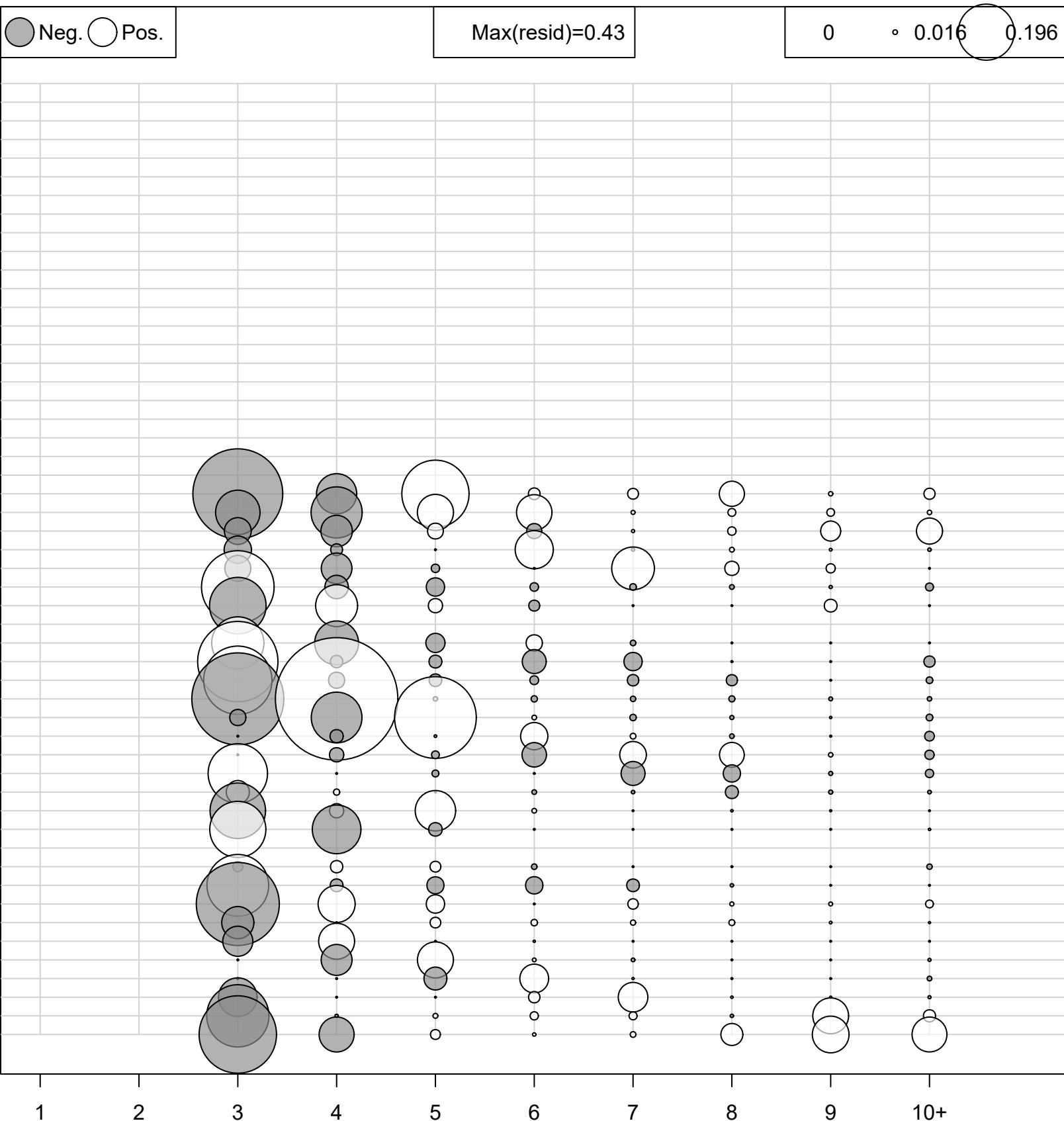
Year = 2017



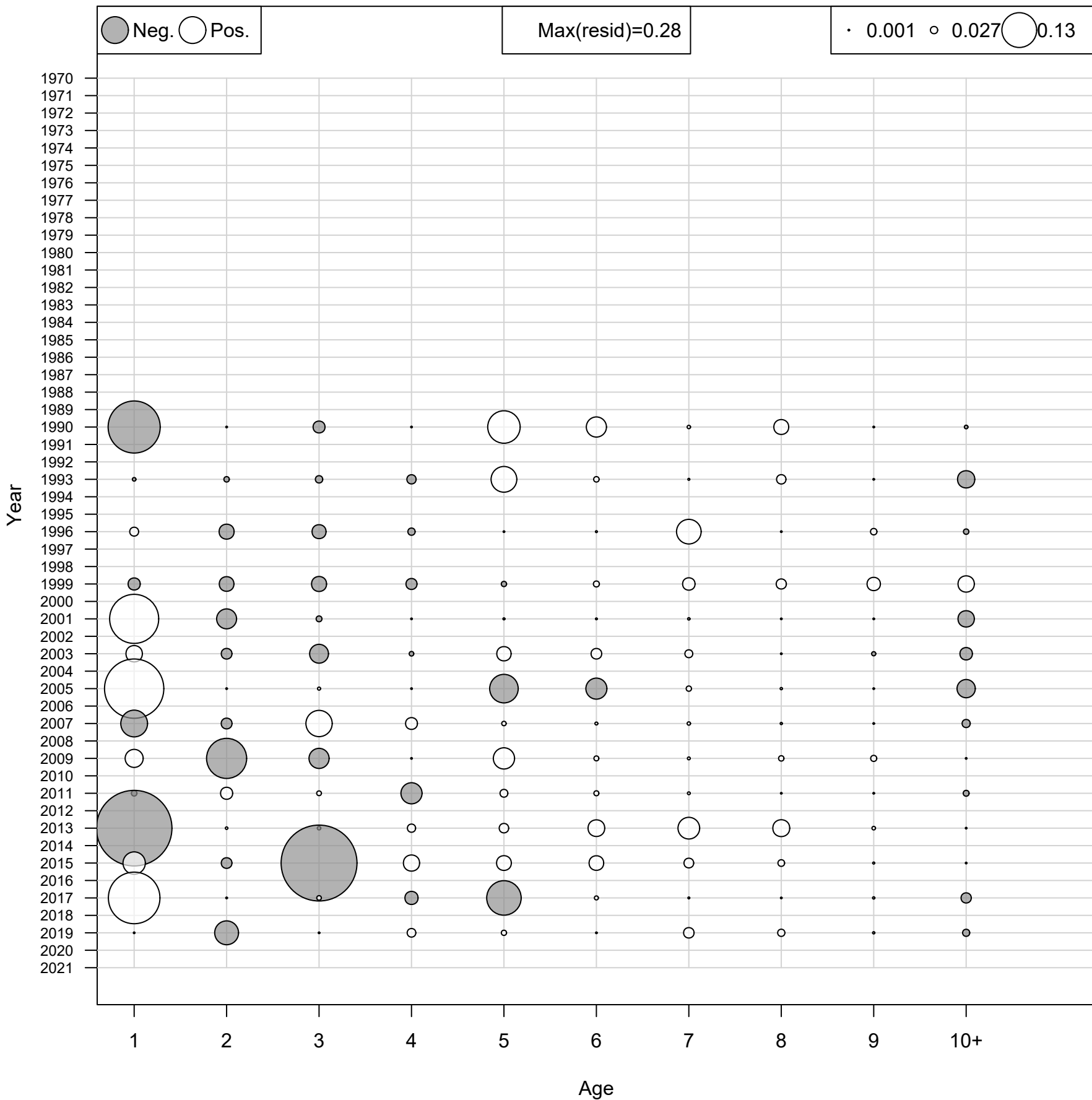
Year = 2019



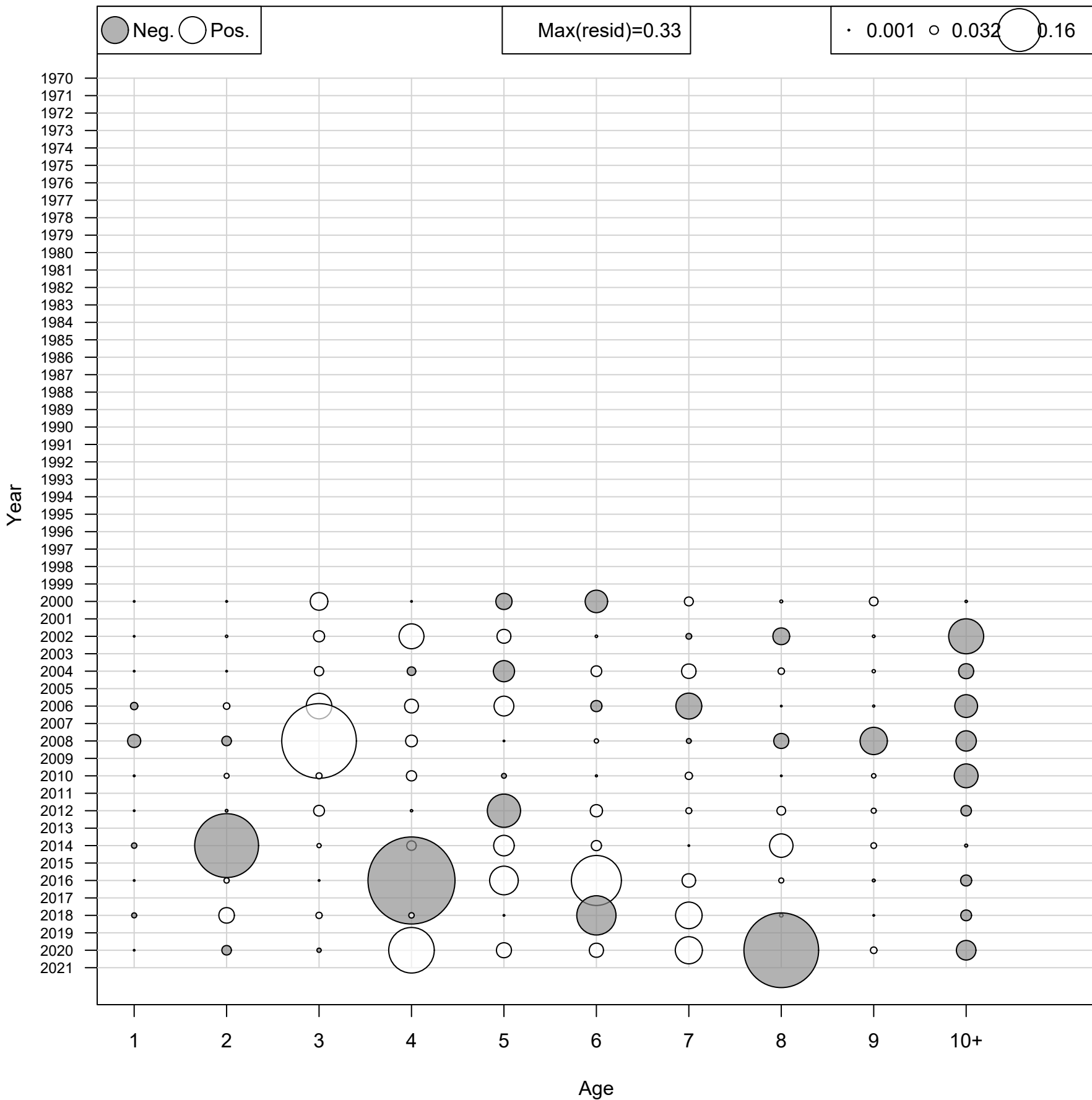
# Age Comp Residuals (Observed-Predicted) for Index 1



### Age Comp Residuals (Observed-Predicted) for Index 2

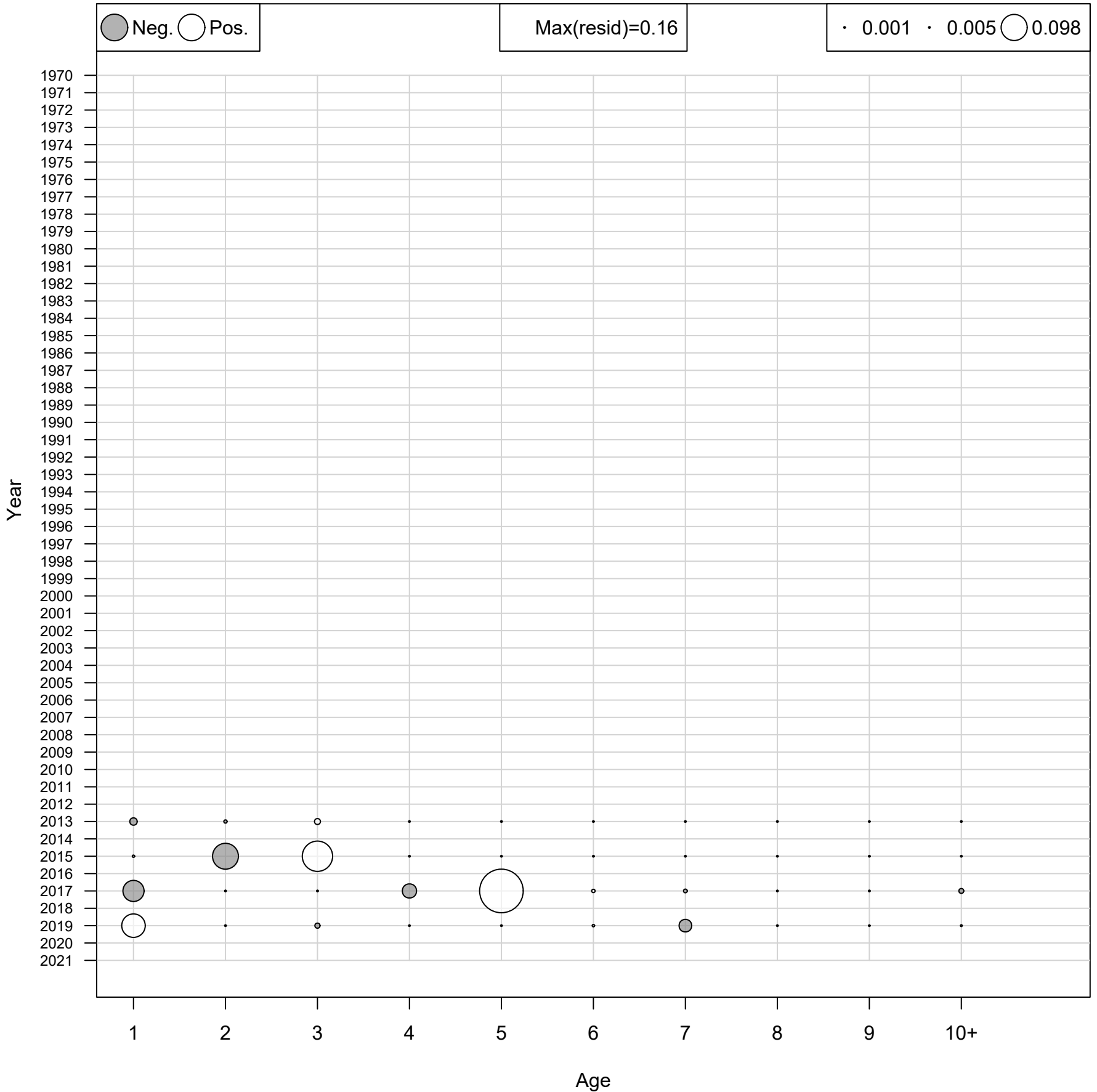


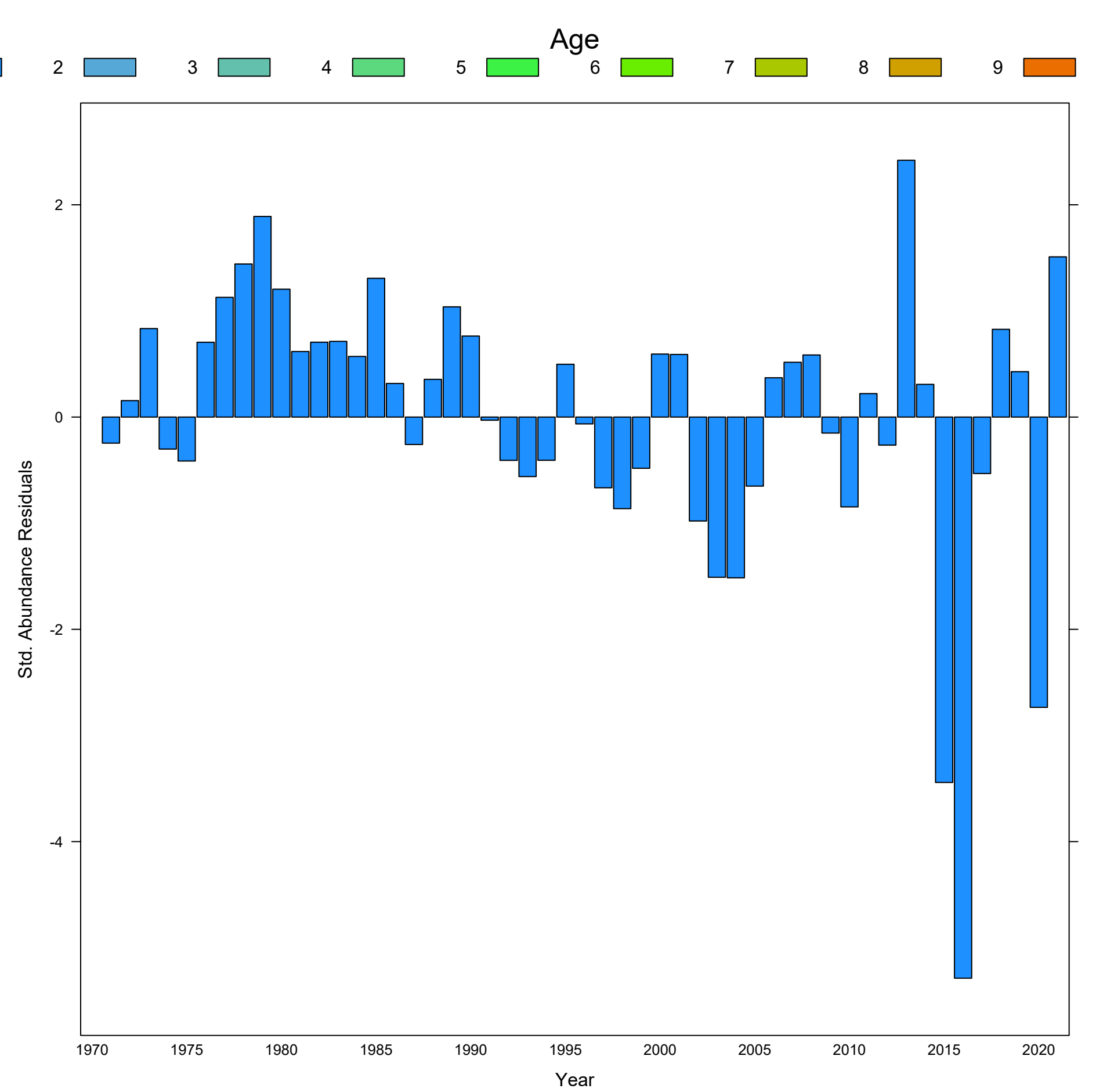
### Age Comp Residuals (Observed-Predicted) for Index 3





# Age Comp Residuals (Observed-Predicted) for Index 6





### Weight-at-age Residuals (Observed-Predicted) for Indices 1

