

EBS pollock example

Model years: 1964-2020

Projection years: none

Number of fleets: 1

Fleet Age Comp Models: Multinomial

Number of indices: 1

Index Age Comp Models: Multinomial

Recruitment model: Random about mean

No Environmental covariates.

Number of Selectivity blocks: 2

Selectivity Block Types: Age-specific, Age-specific

Fleet 1 Selectivity Blocks: 1

Index 1 Selectivity Blocks: 2

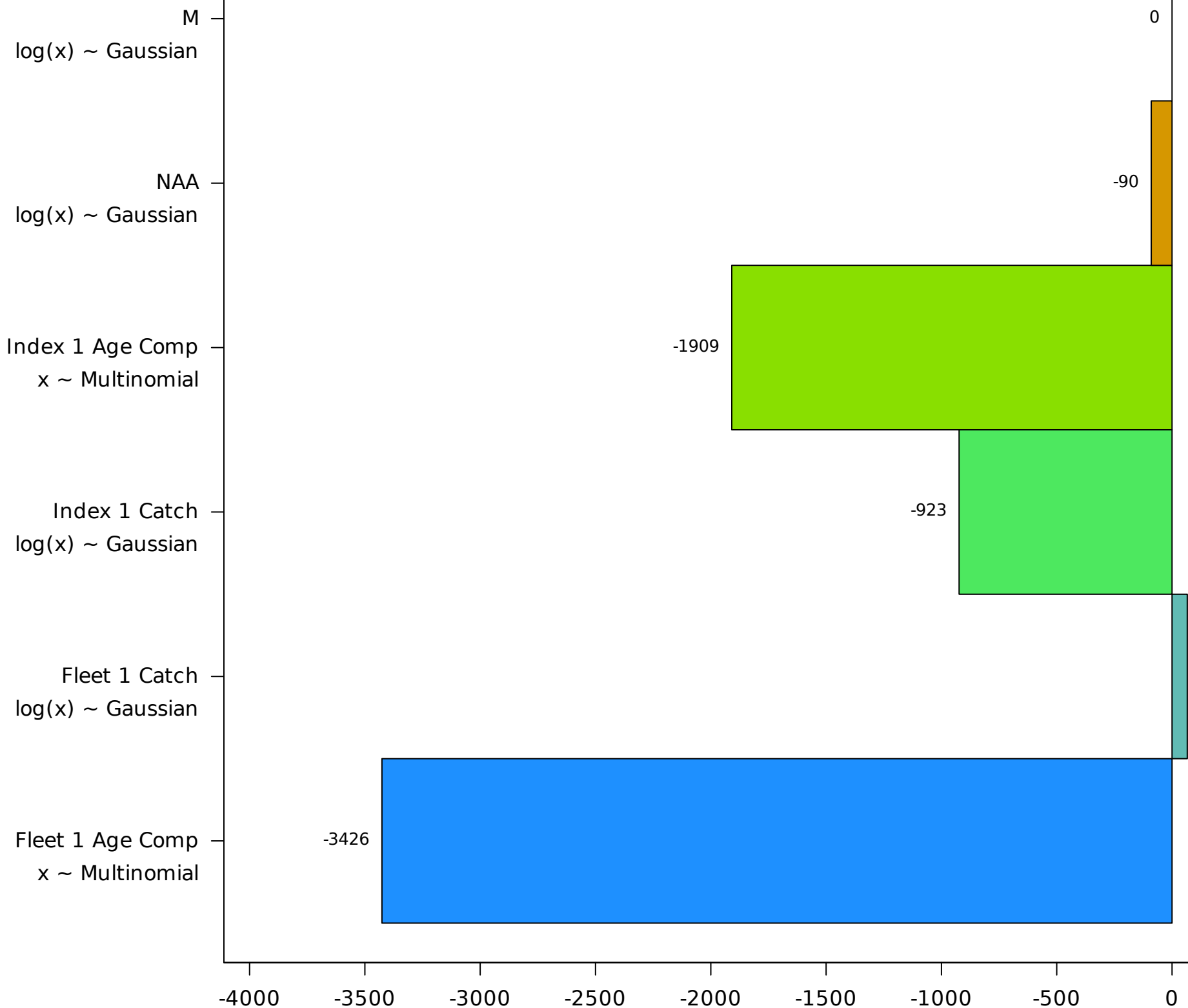
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Run directory: /Users/jim/_mymods/ebswp/model_alts/wham

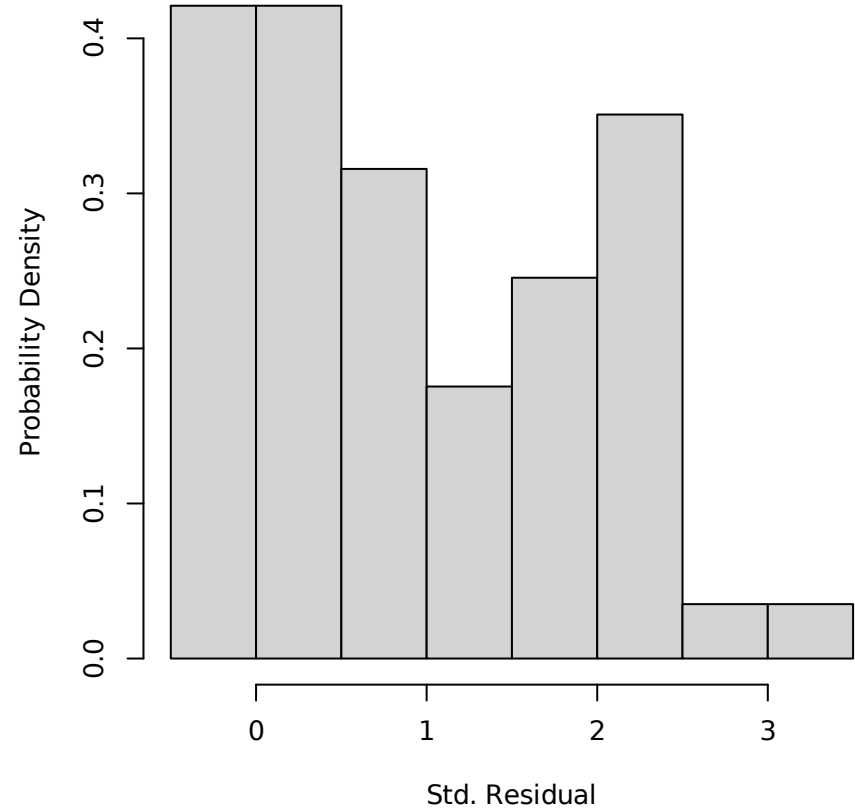
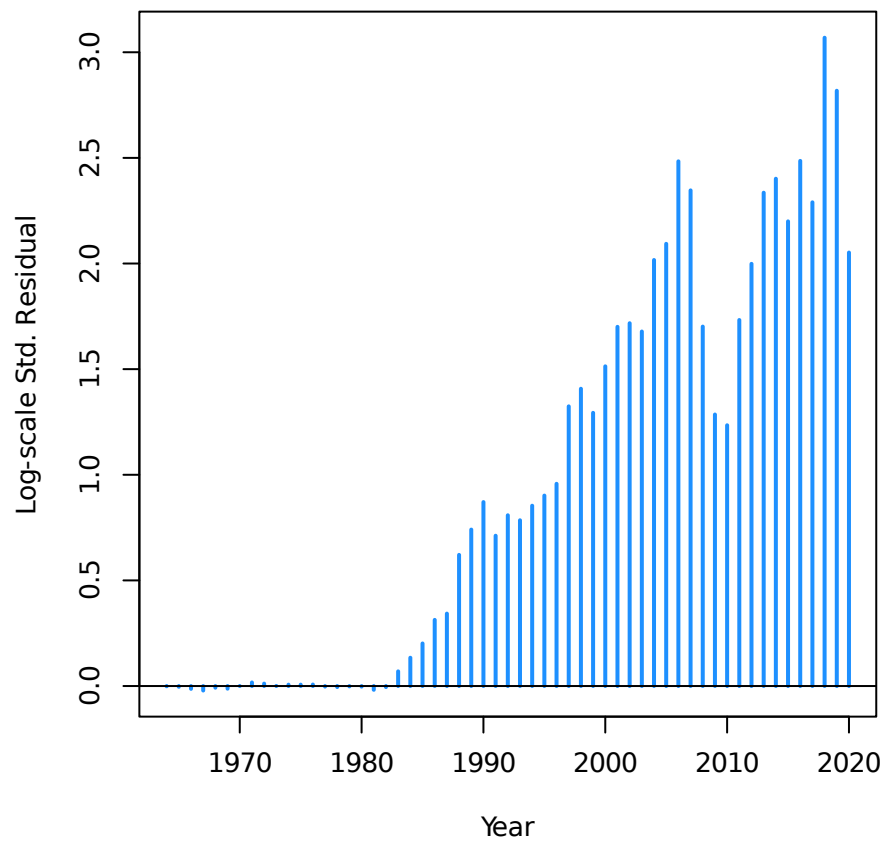
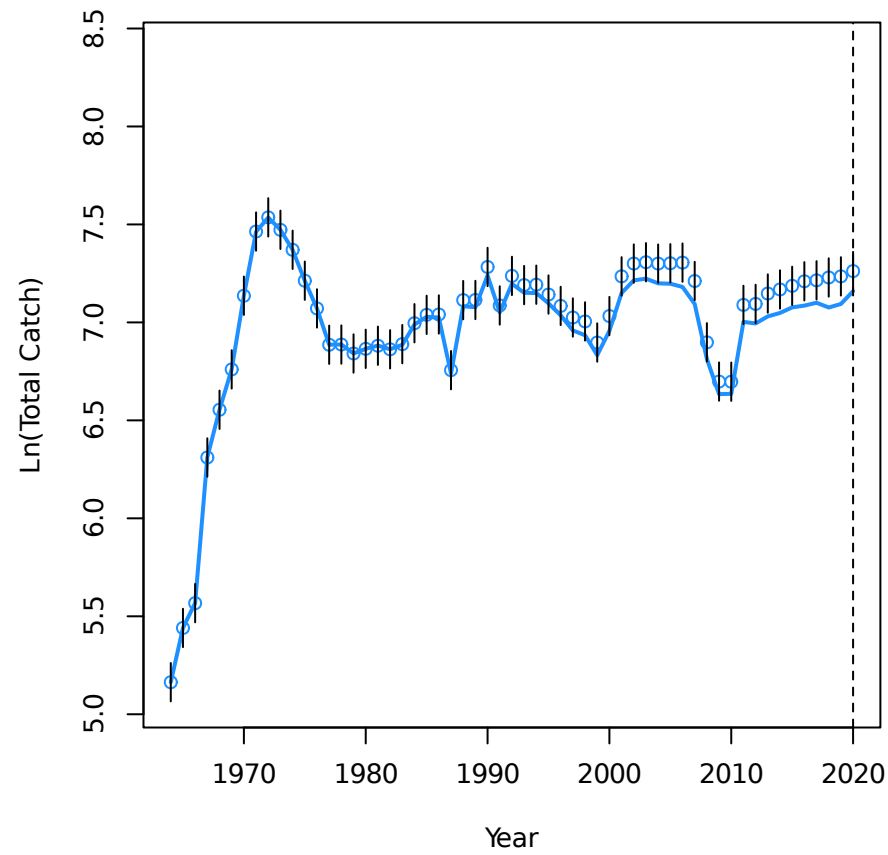
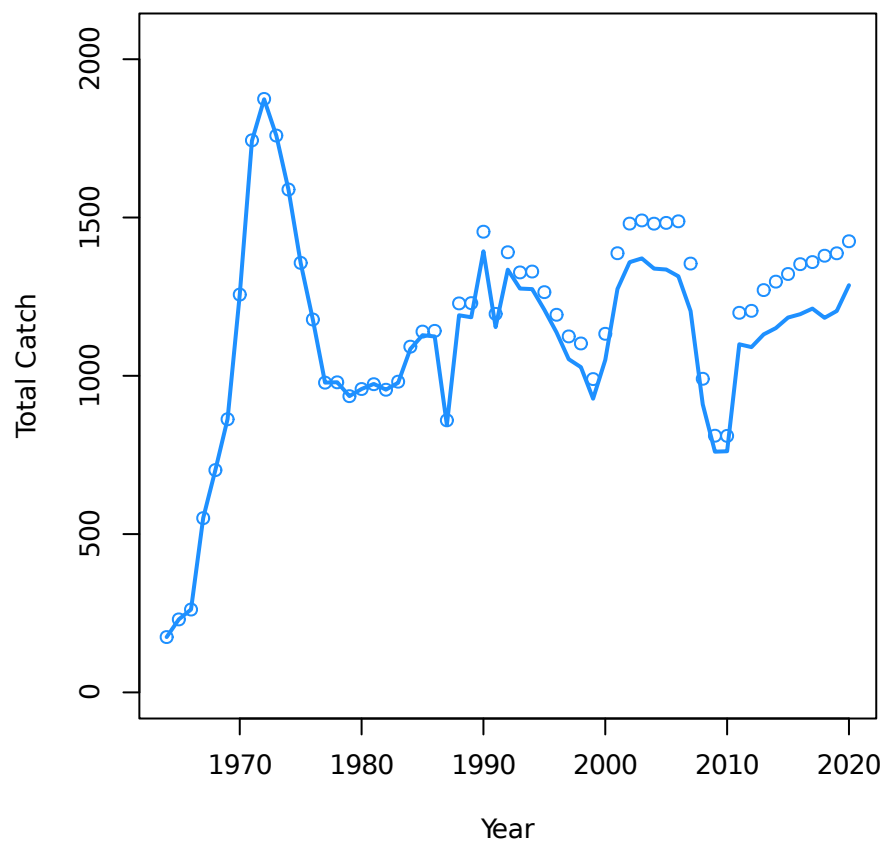
l version: 1.0.7.9000 / Github (timjmillier/wham@df030fc1445811b5fab009211855e40b85377e2)

MB version: 1.9.4 / Github (kaskr/adcomp@38b469aed7bd3b0089a77cfe15c88e8d4e938f11)

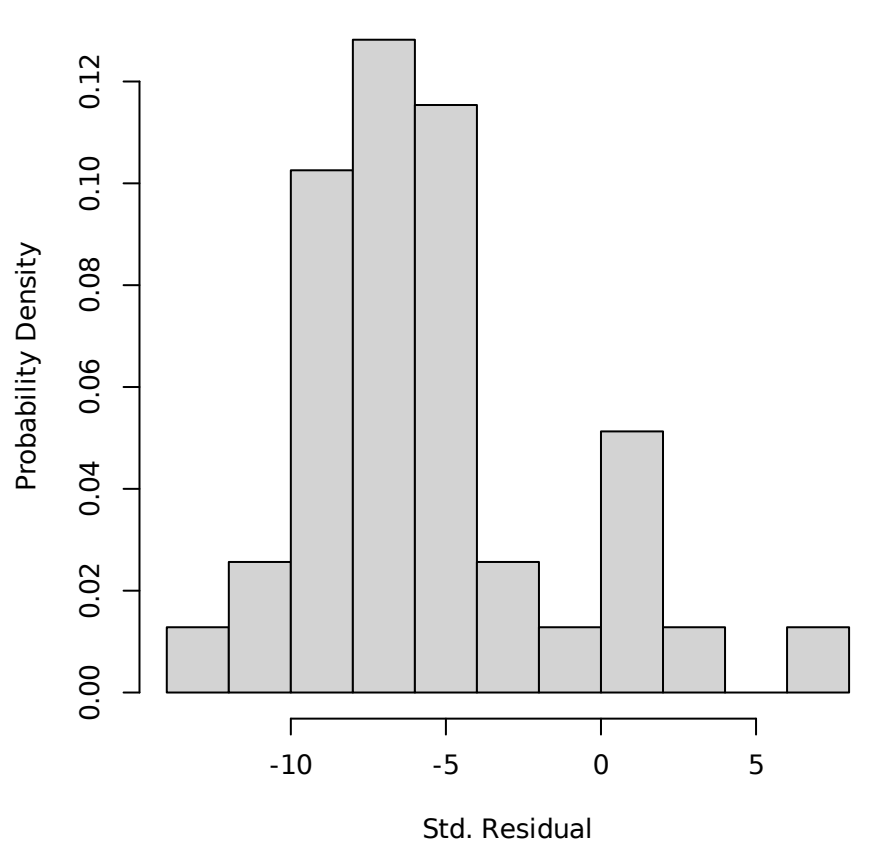
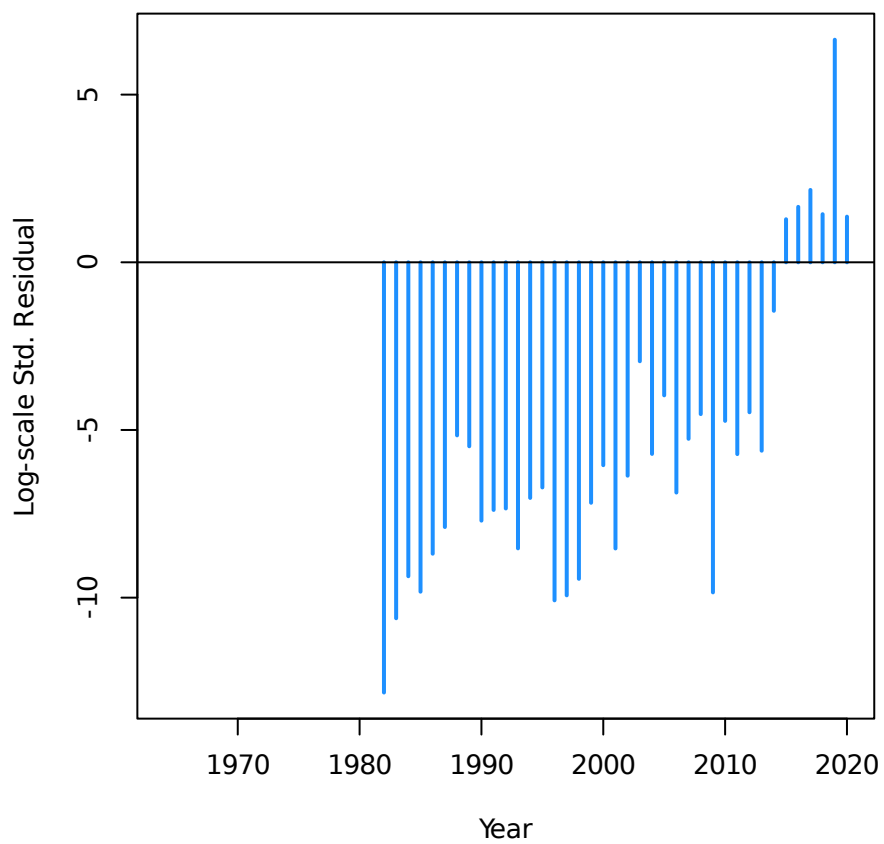
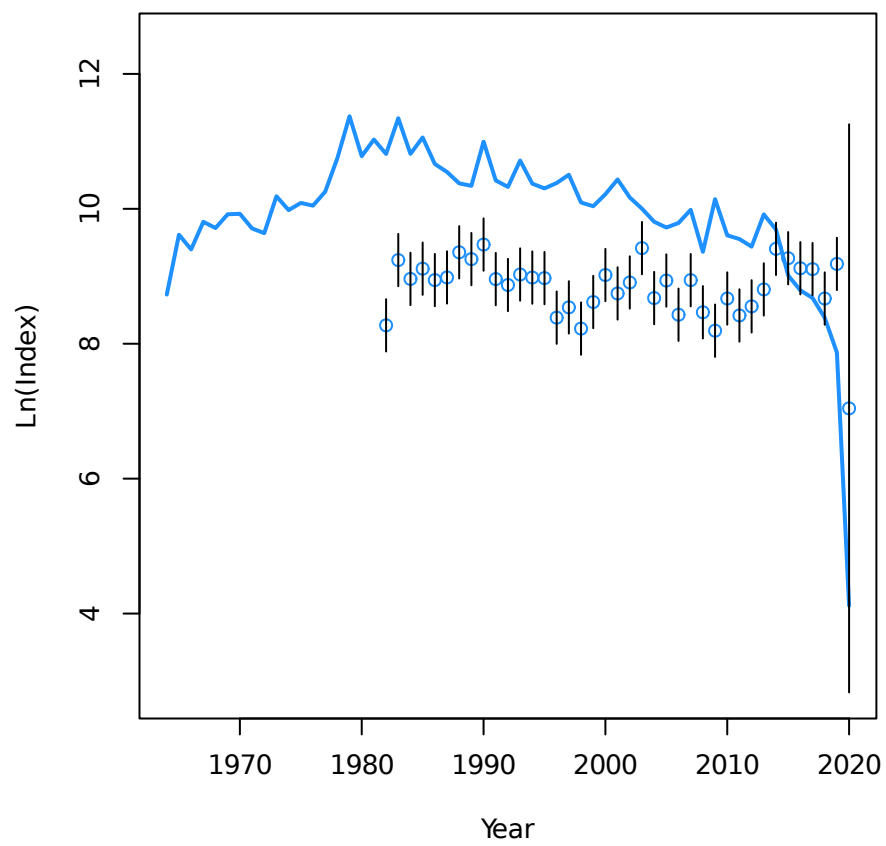
sdreport() performed with all variance estimates provided.



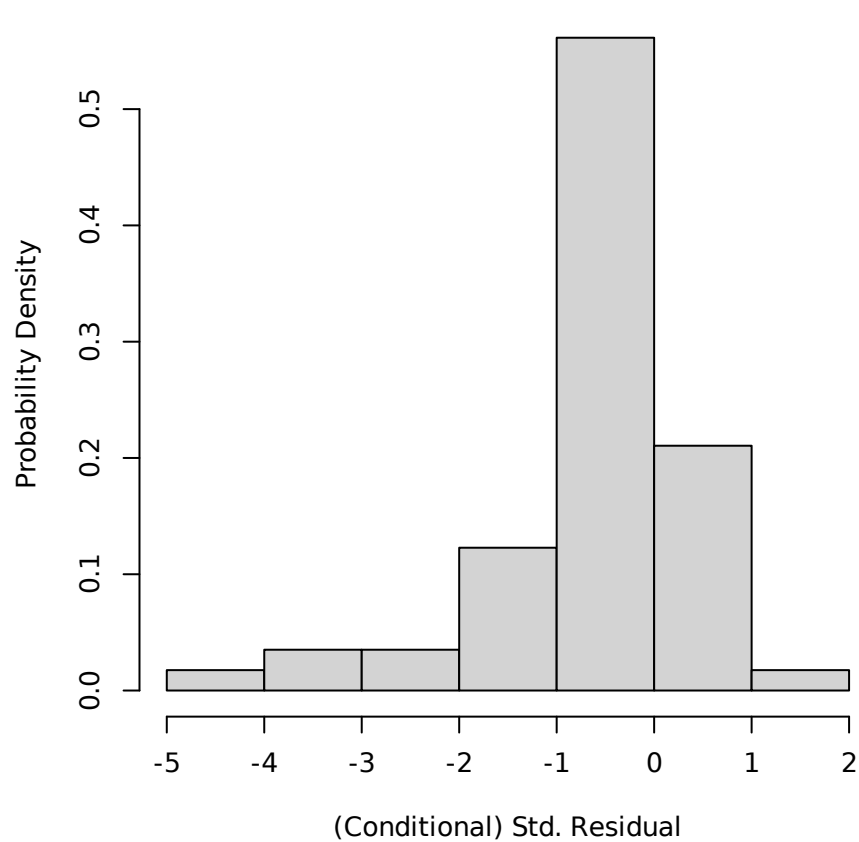
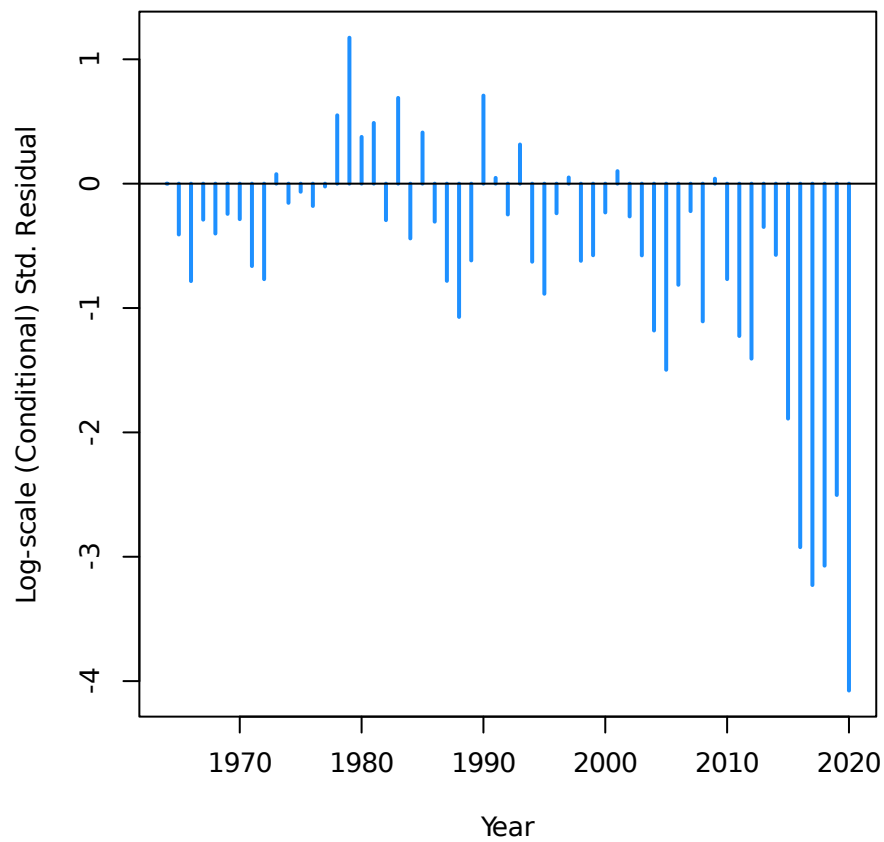
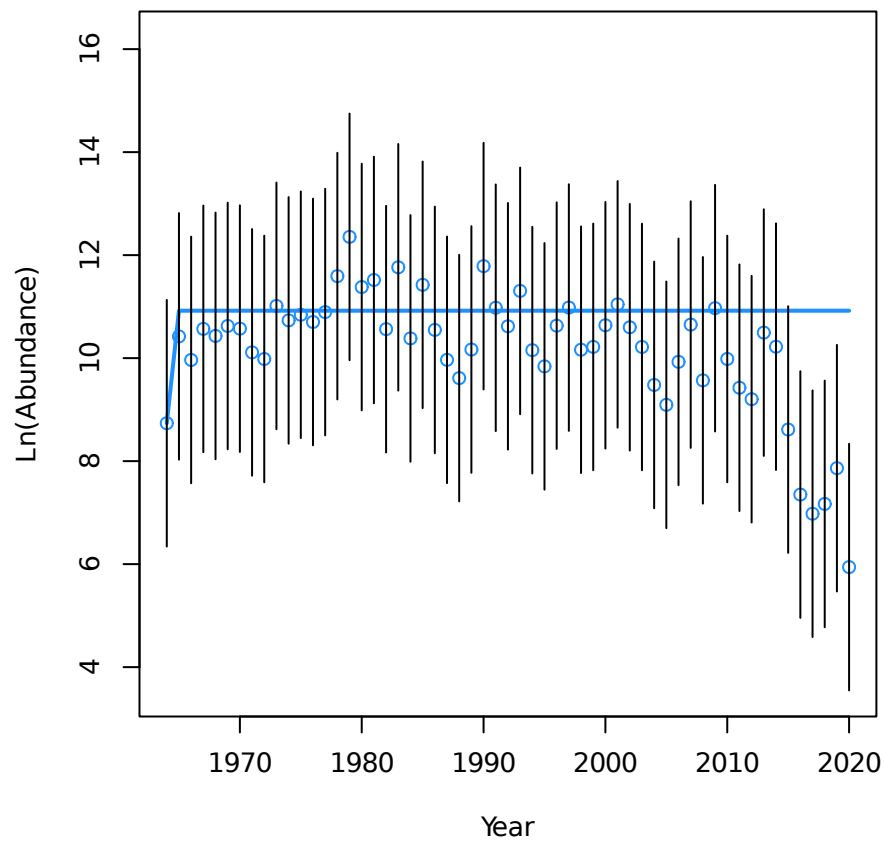
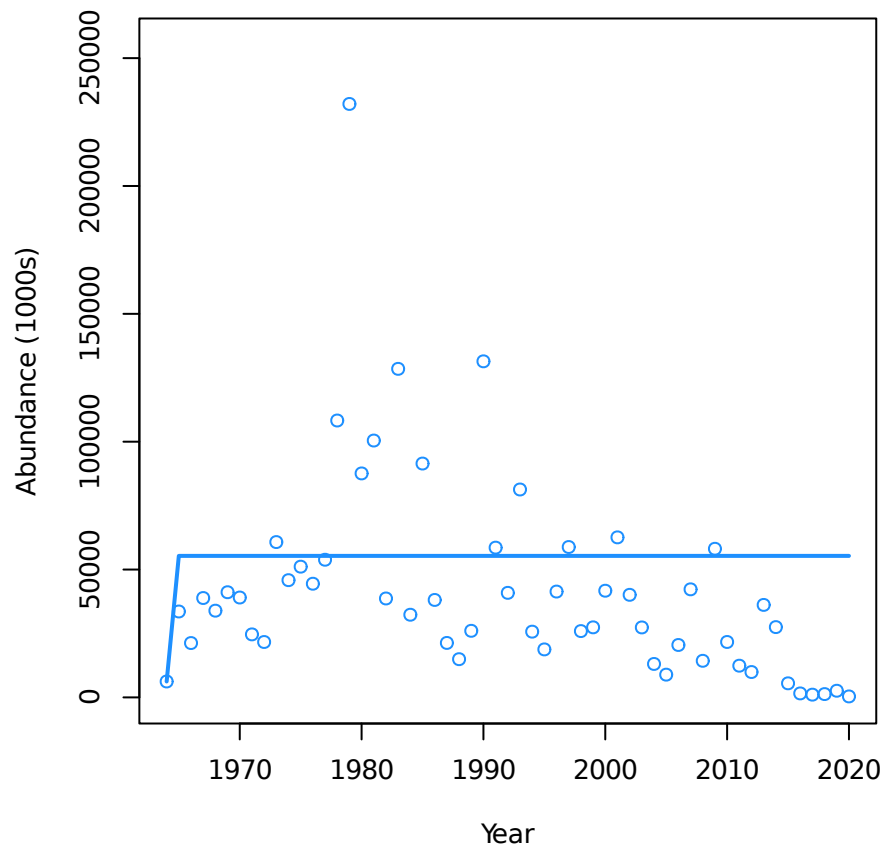
Fleet 1 Catch



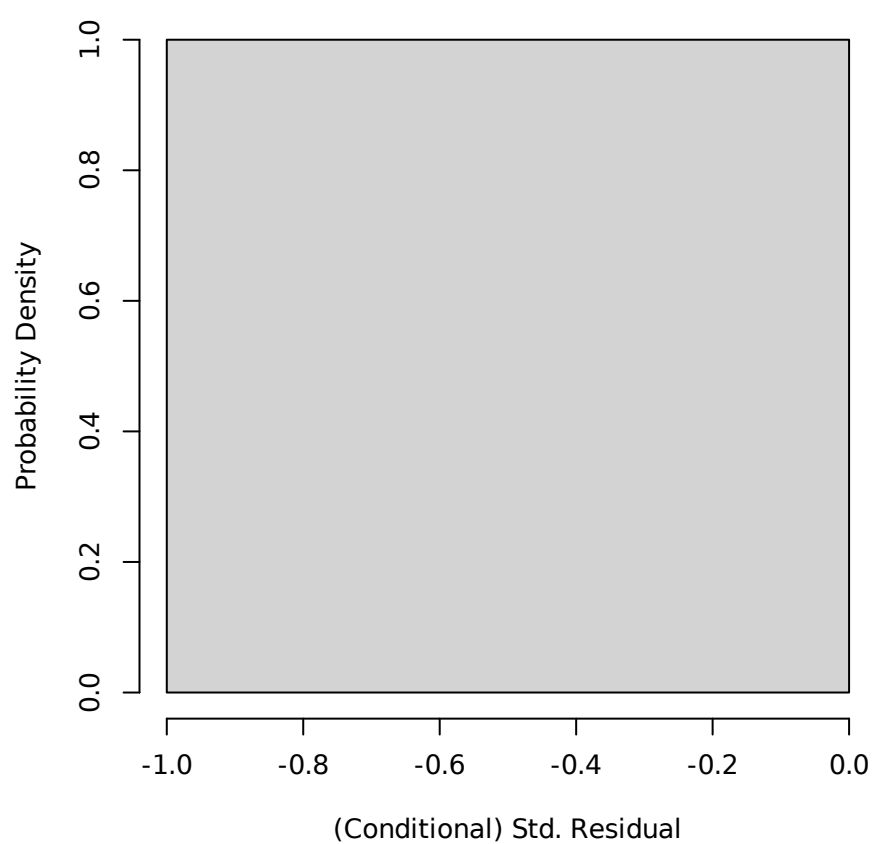
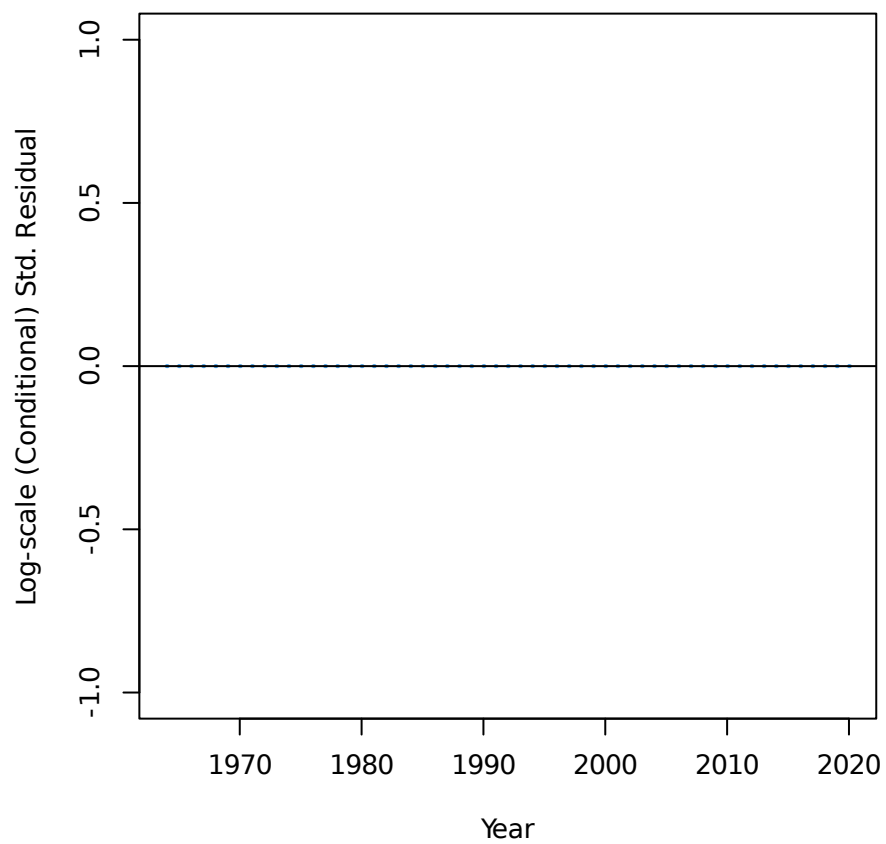
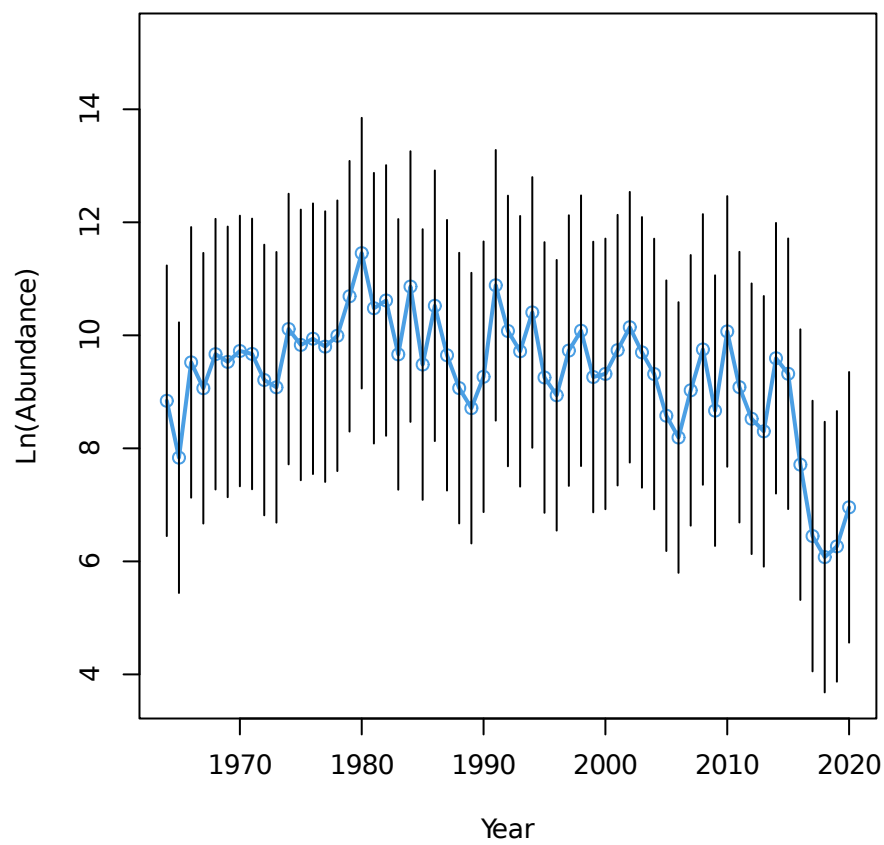
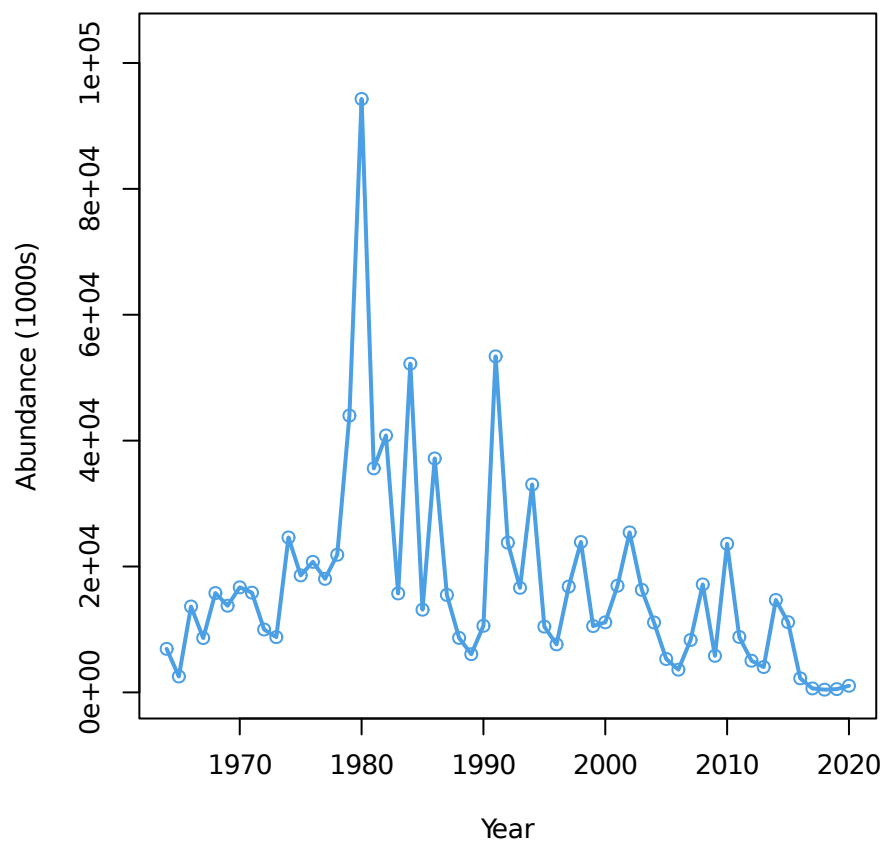
Index 1



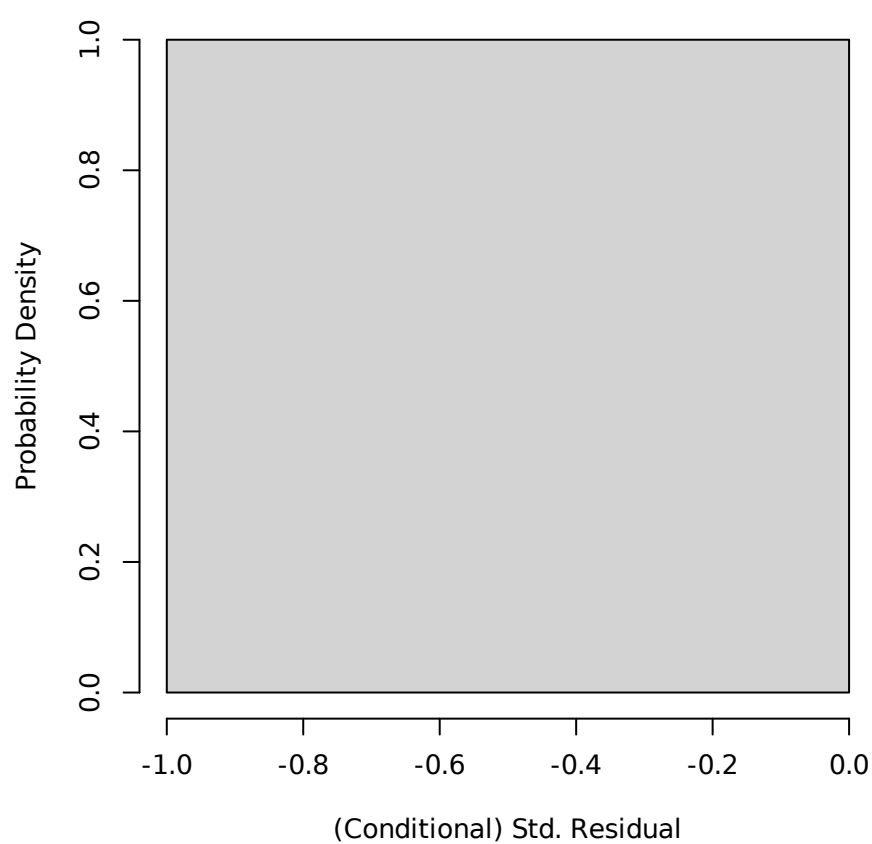
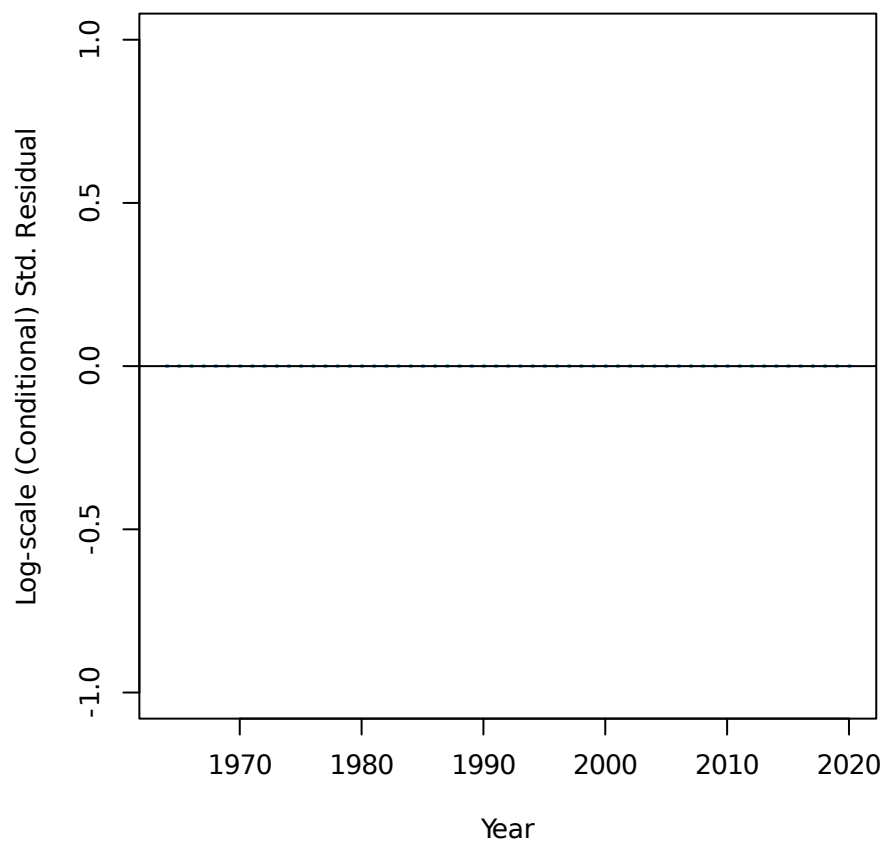
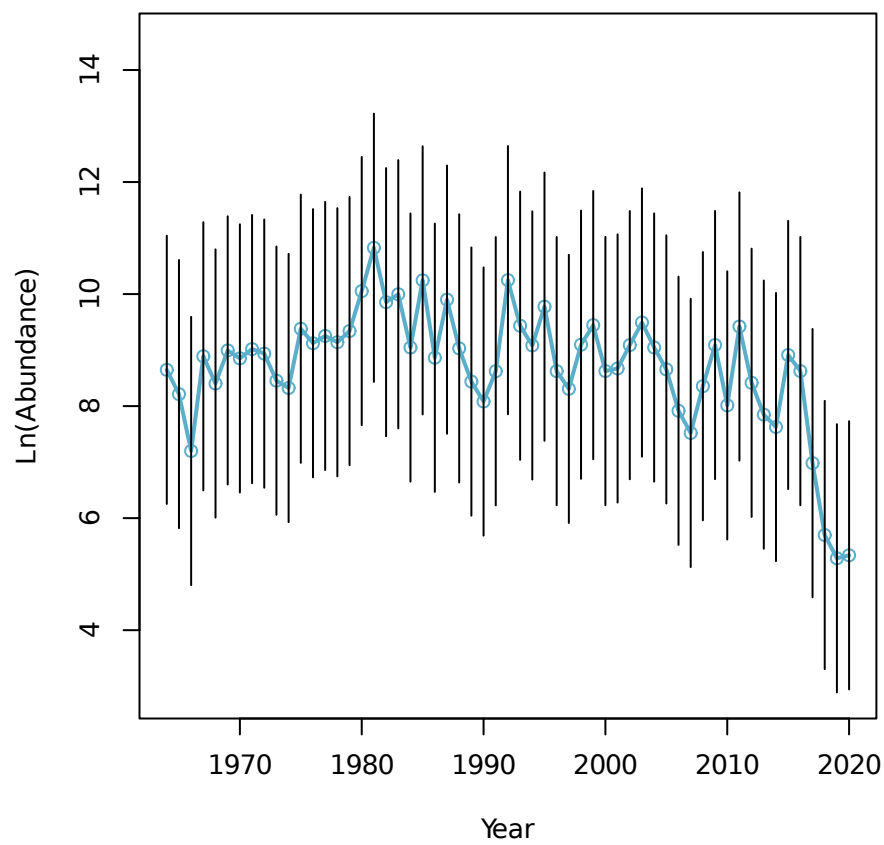
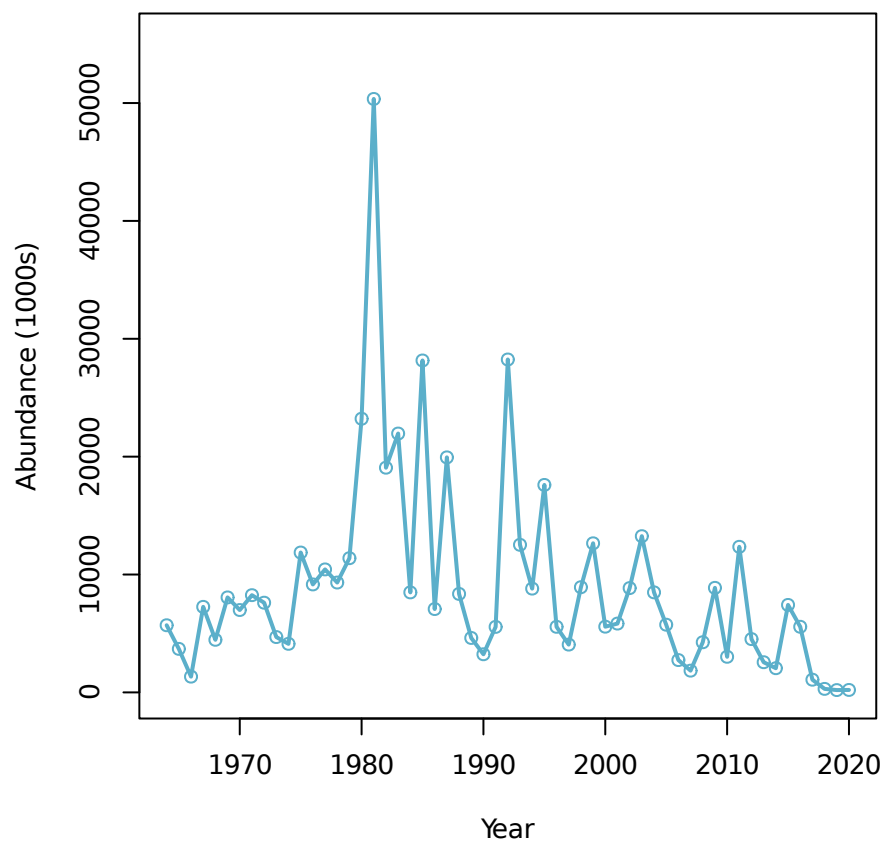
Conditional Expected and Posterior Estimates of Age 1 Abundance



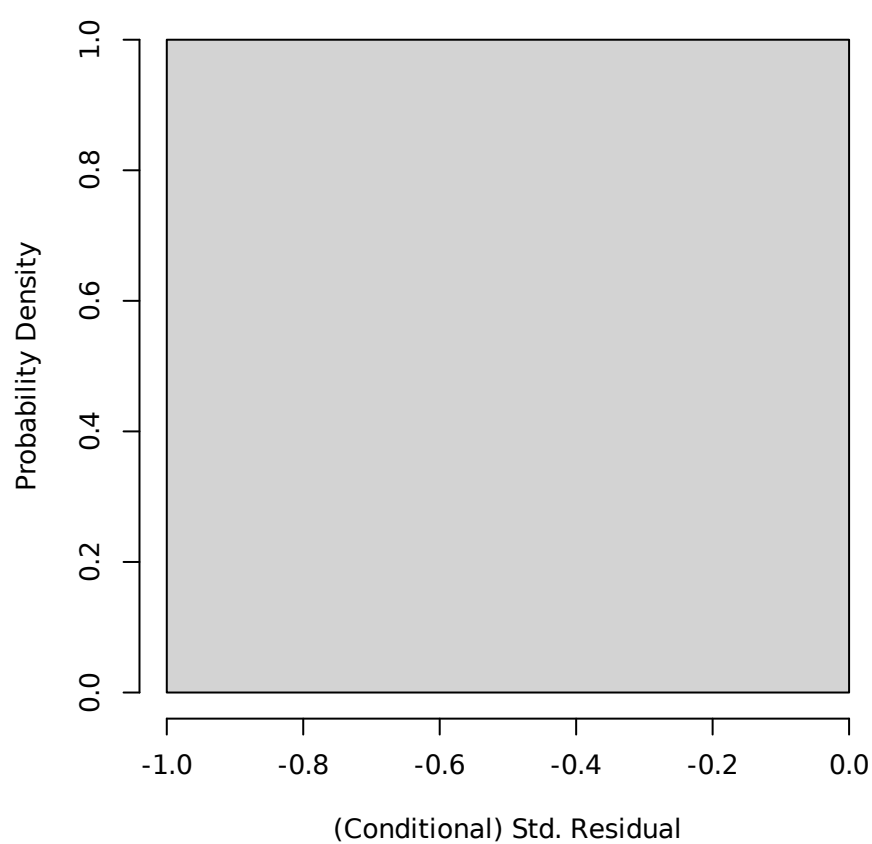
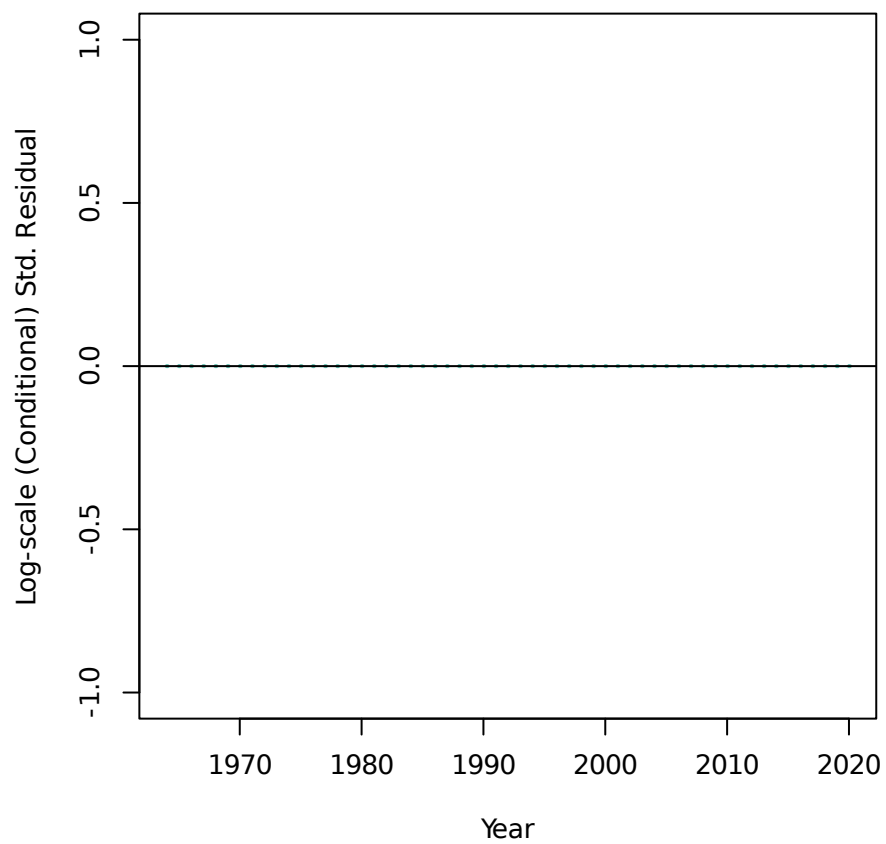
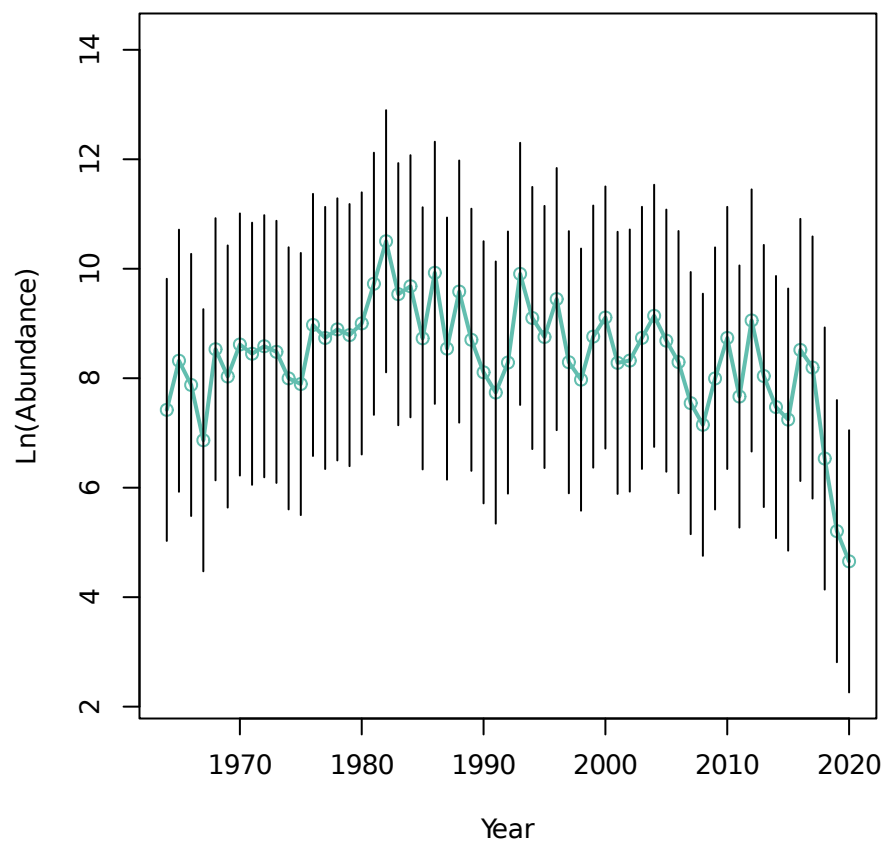
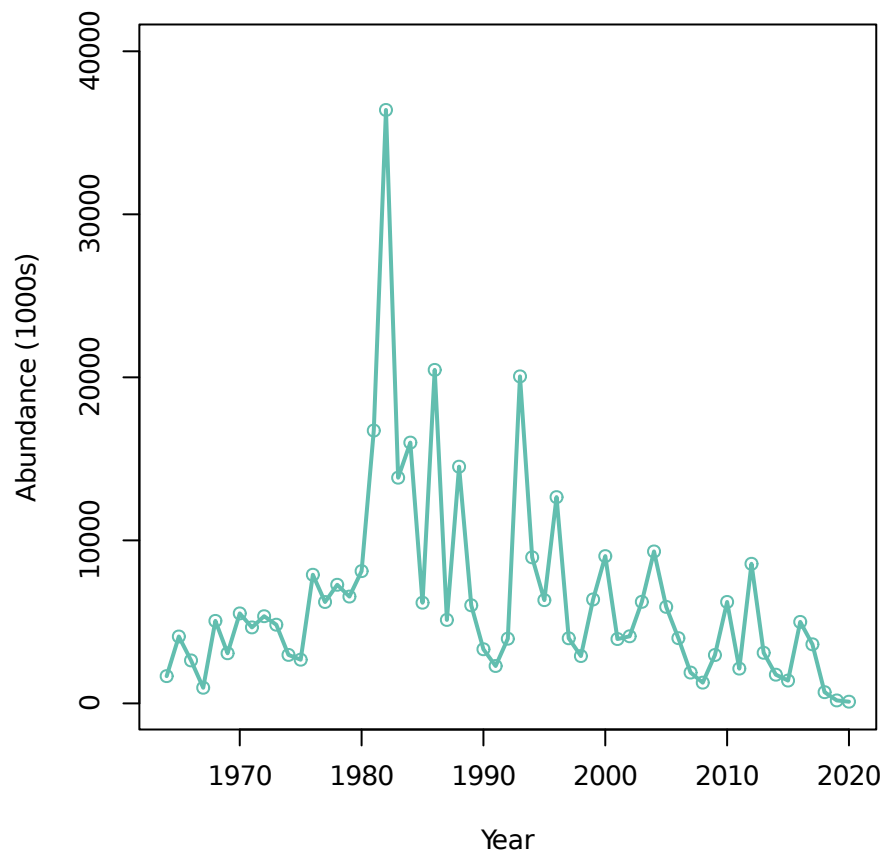
Conditional Expected and Posterior Estimates of Age 2 Abundance



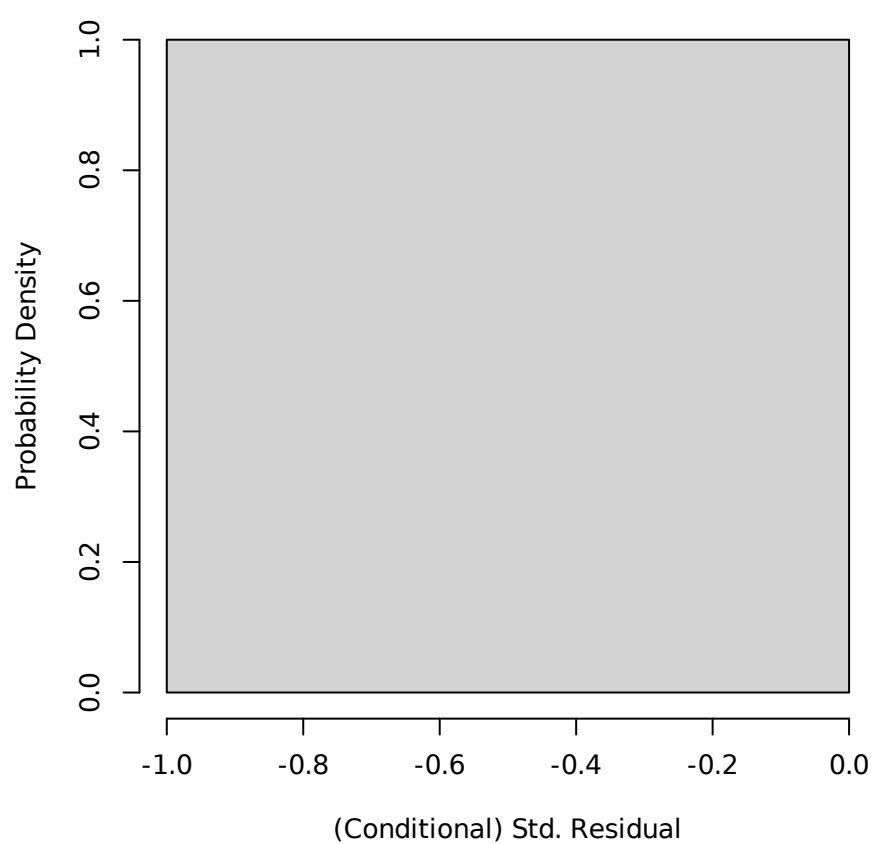
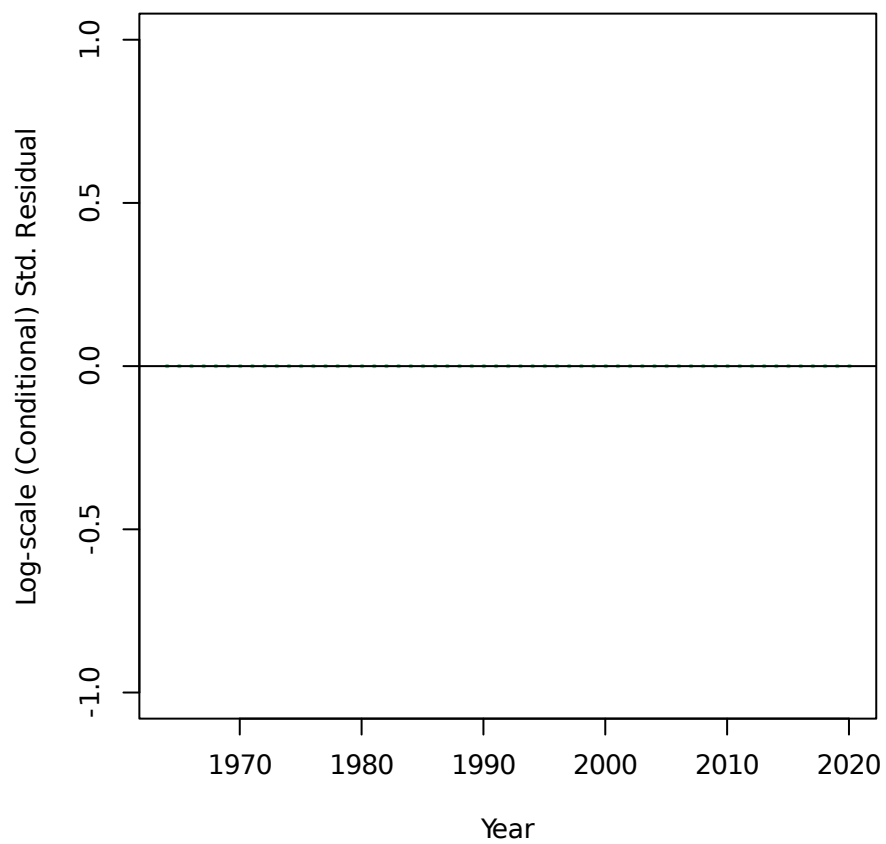
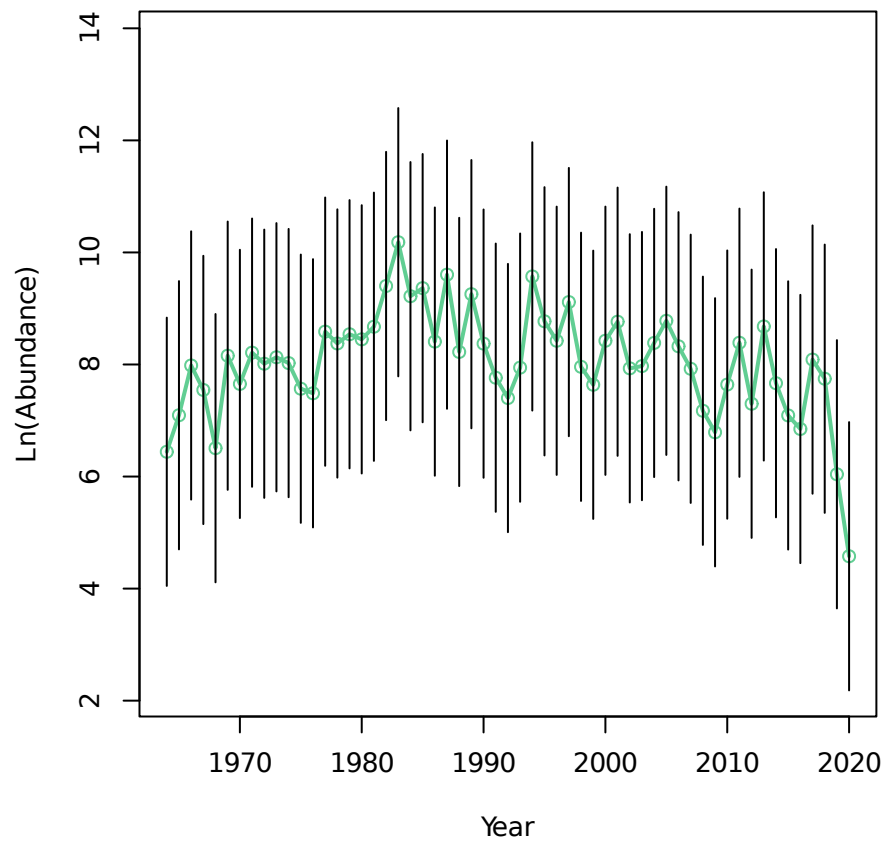
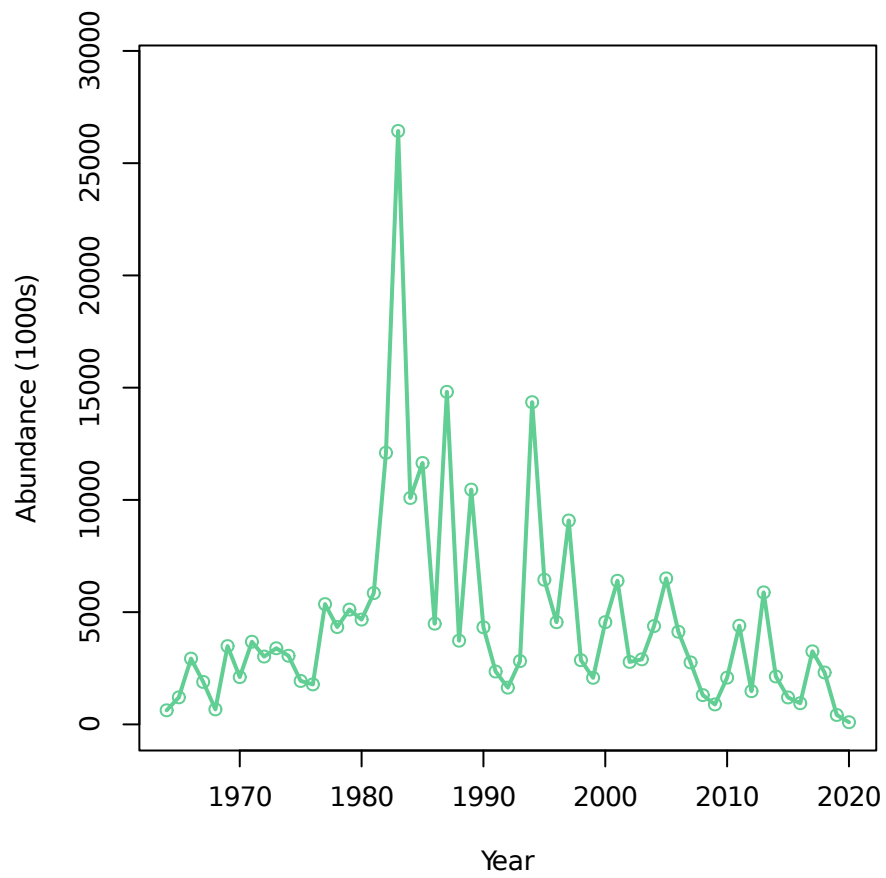
Conditional Expected and Posterior Estimates of Age 3 Abundance



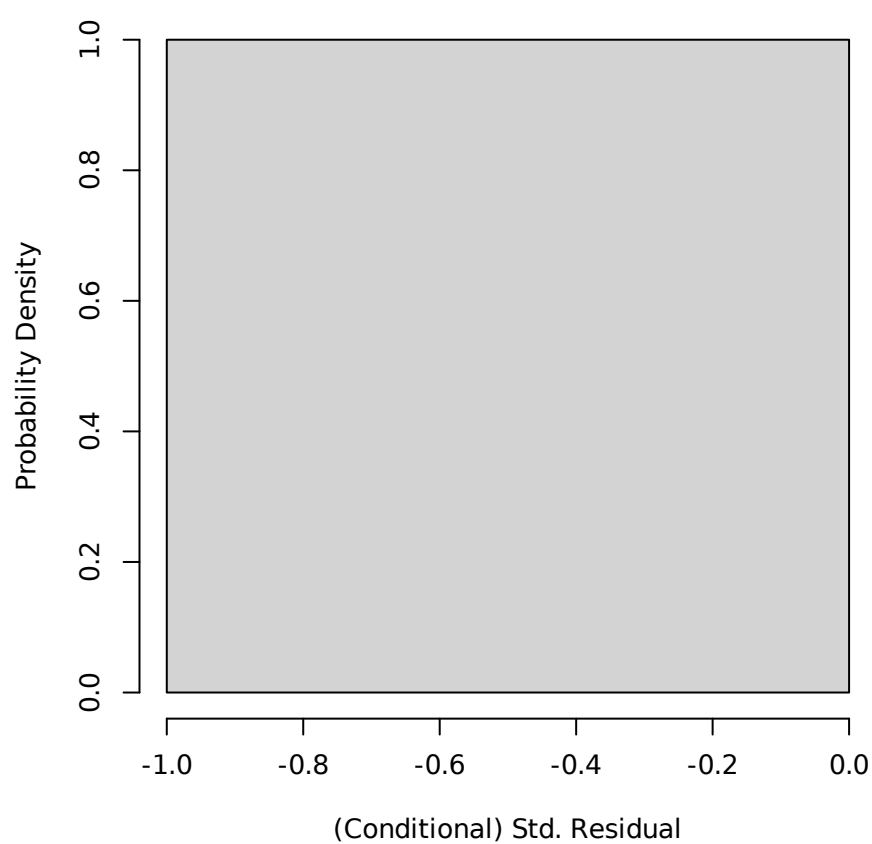
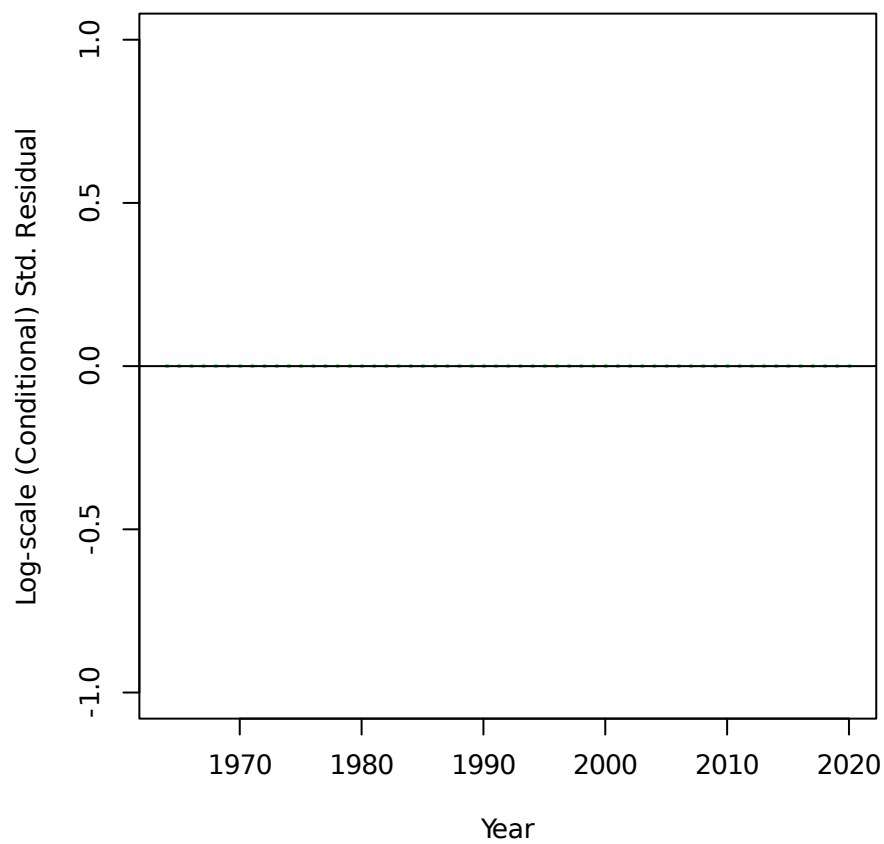
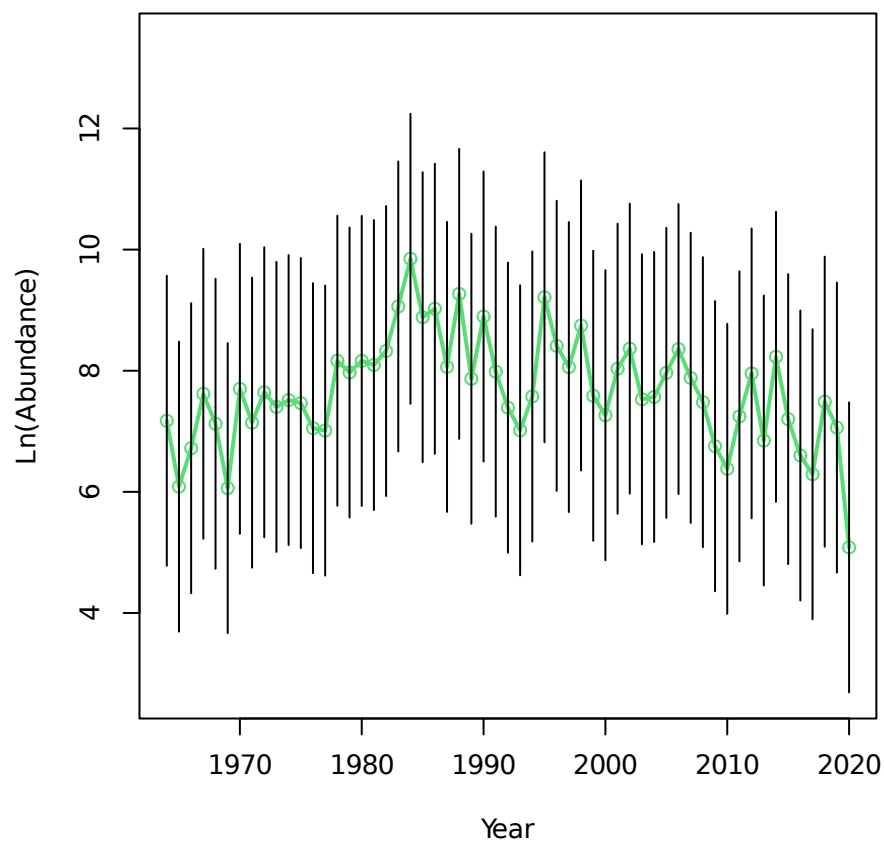
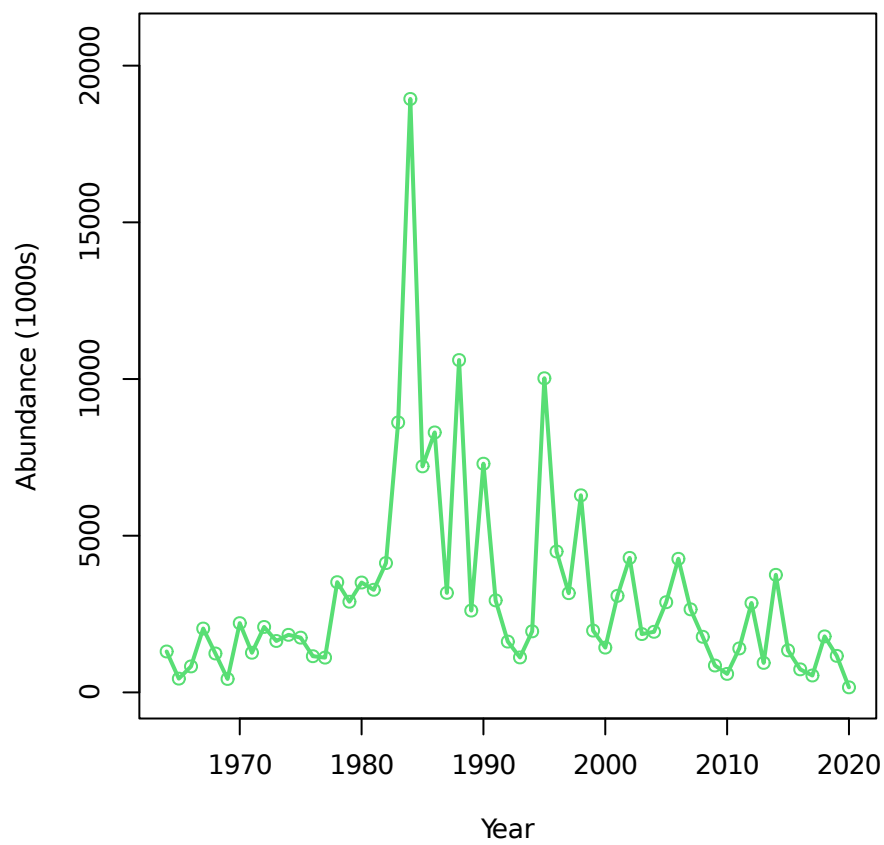
Conditional Expected and Posterior Estimates of Age 4 Abundance



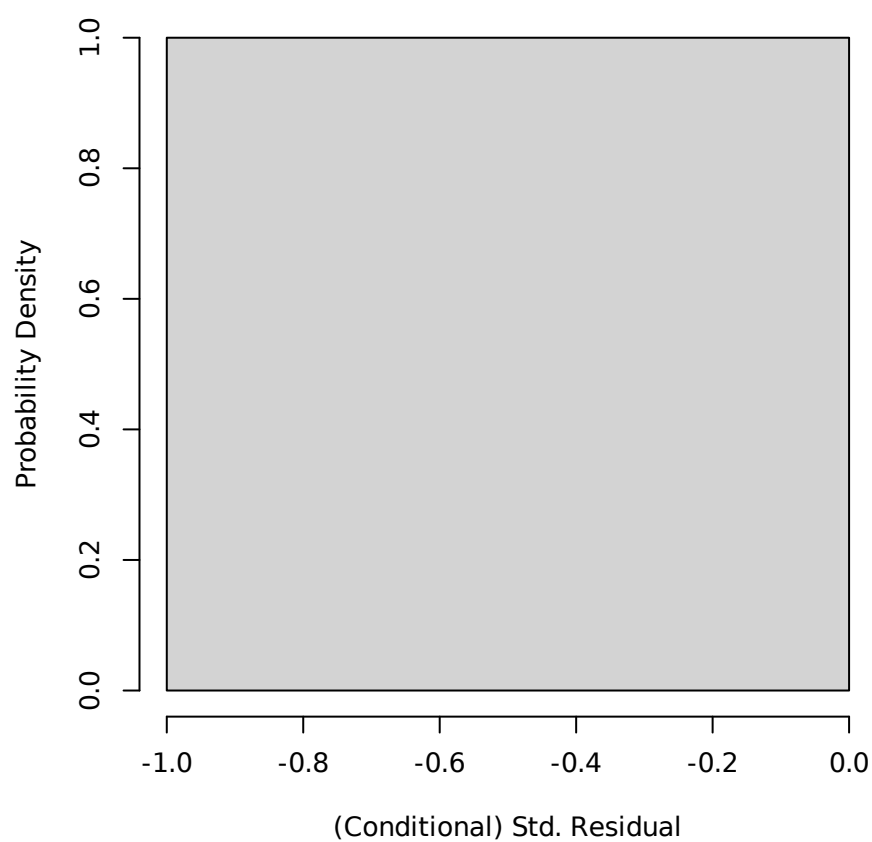
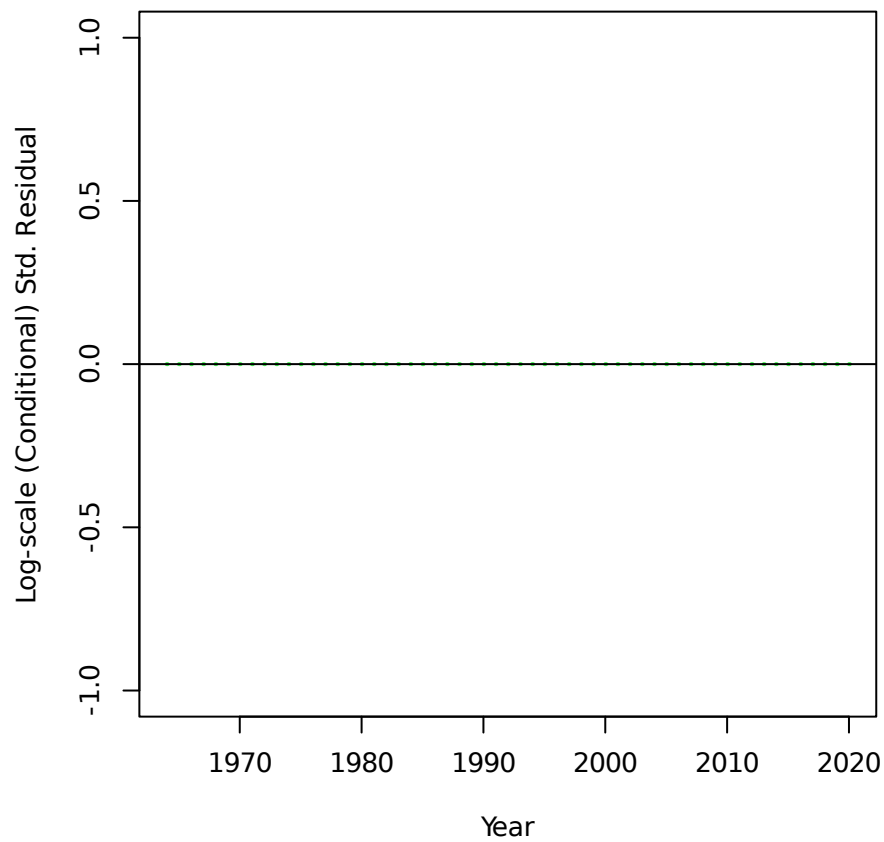
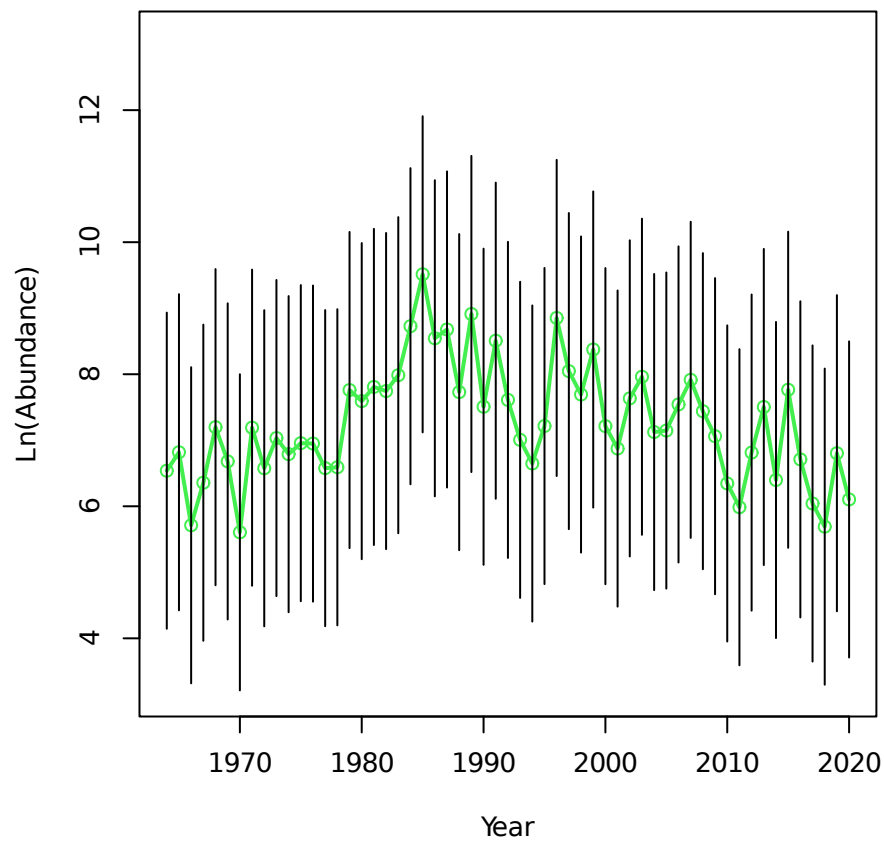
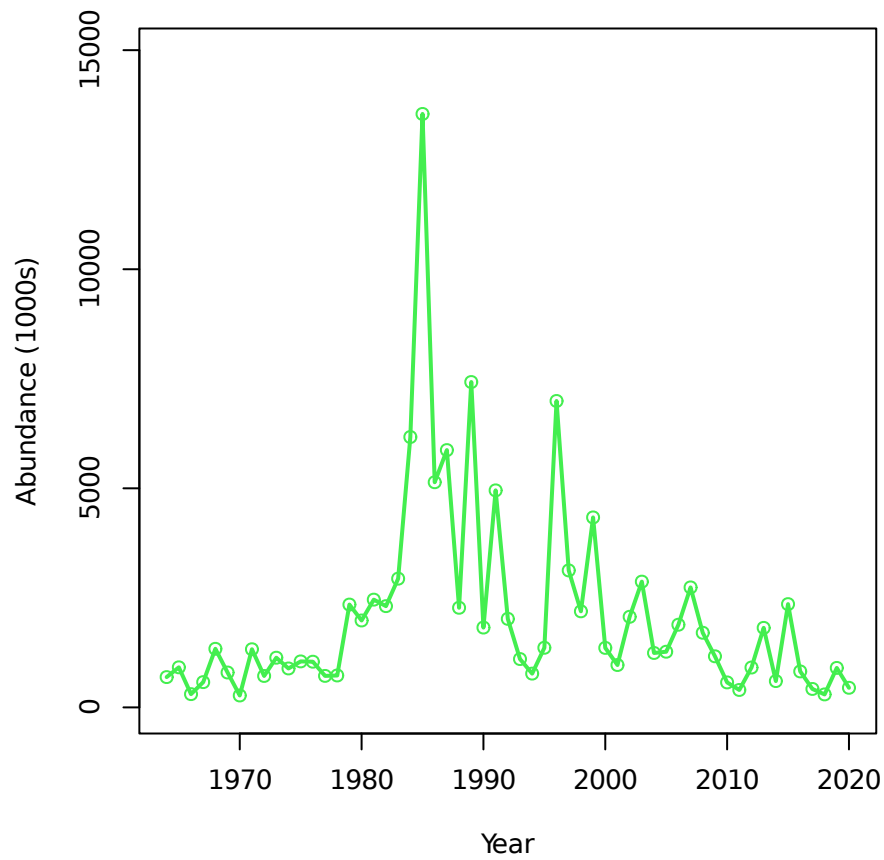
Conditional Expected and Posterior Estimates of Age 5 Abundance



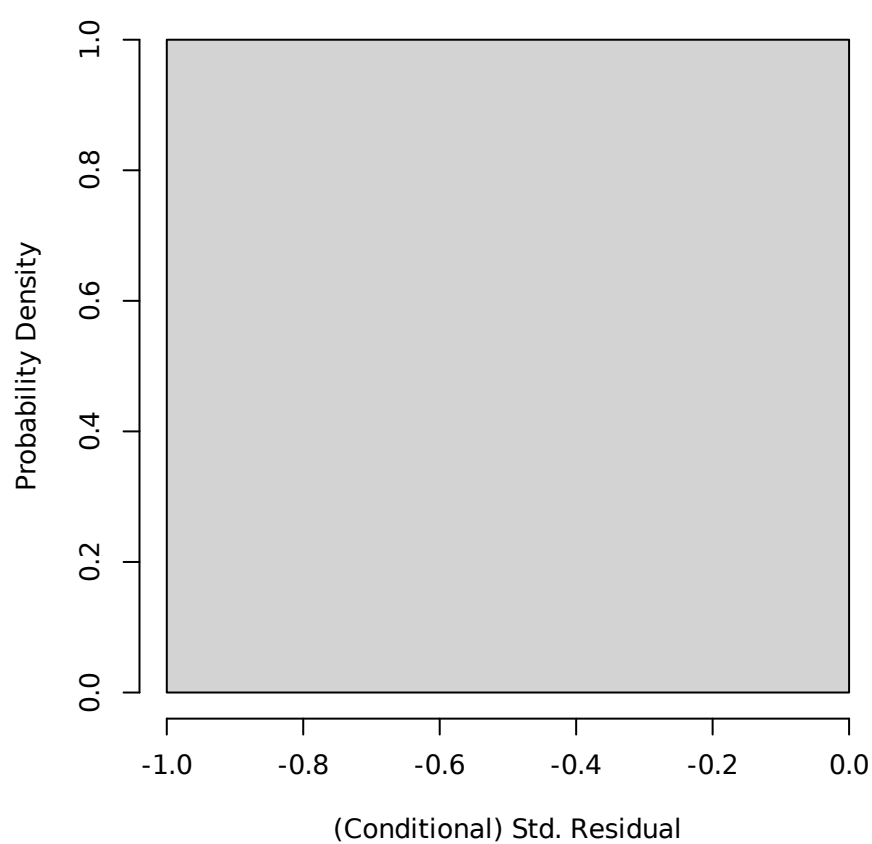
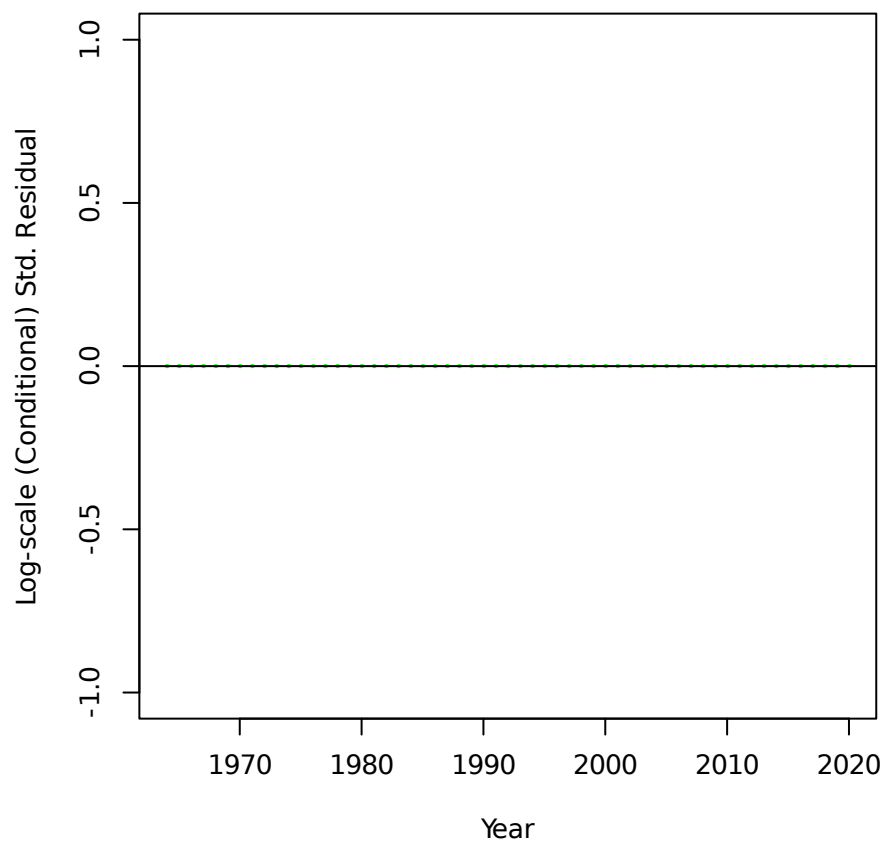
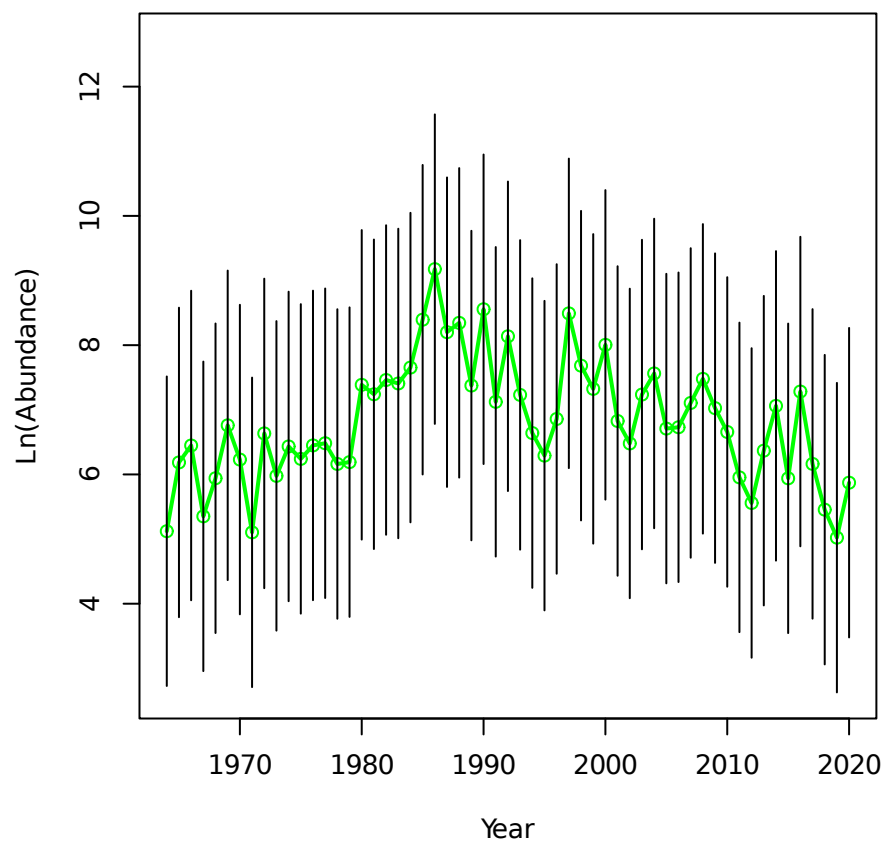
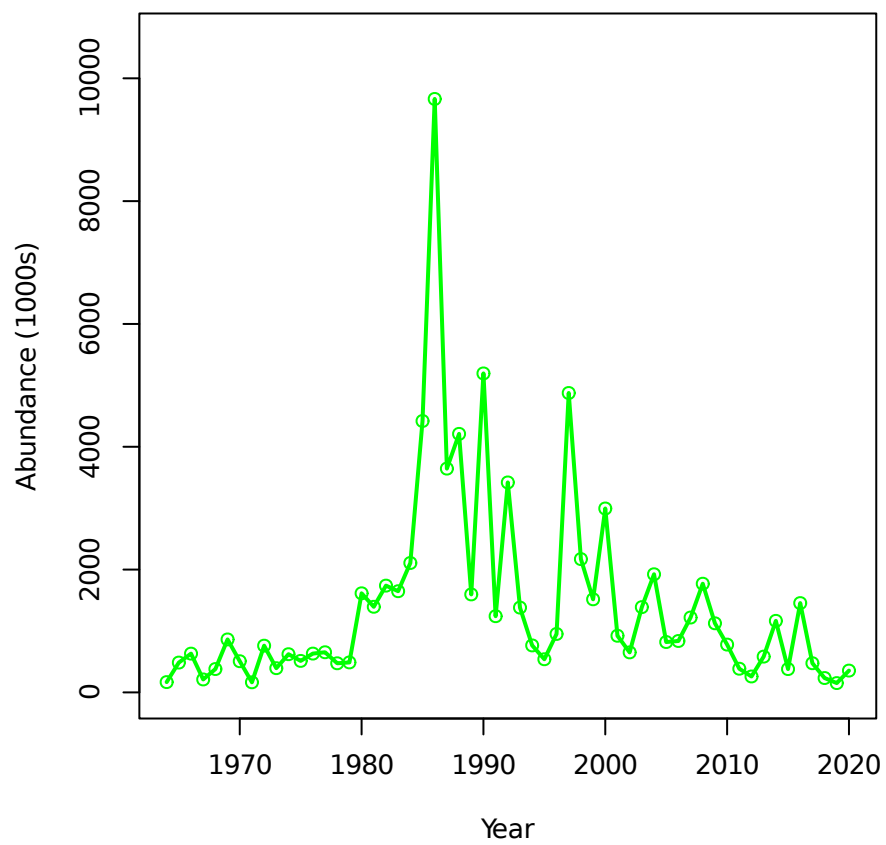
Conditional Expected and Posterior Estimates of Age 6 Abundance



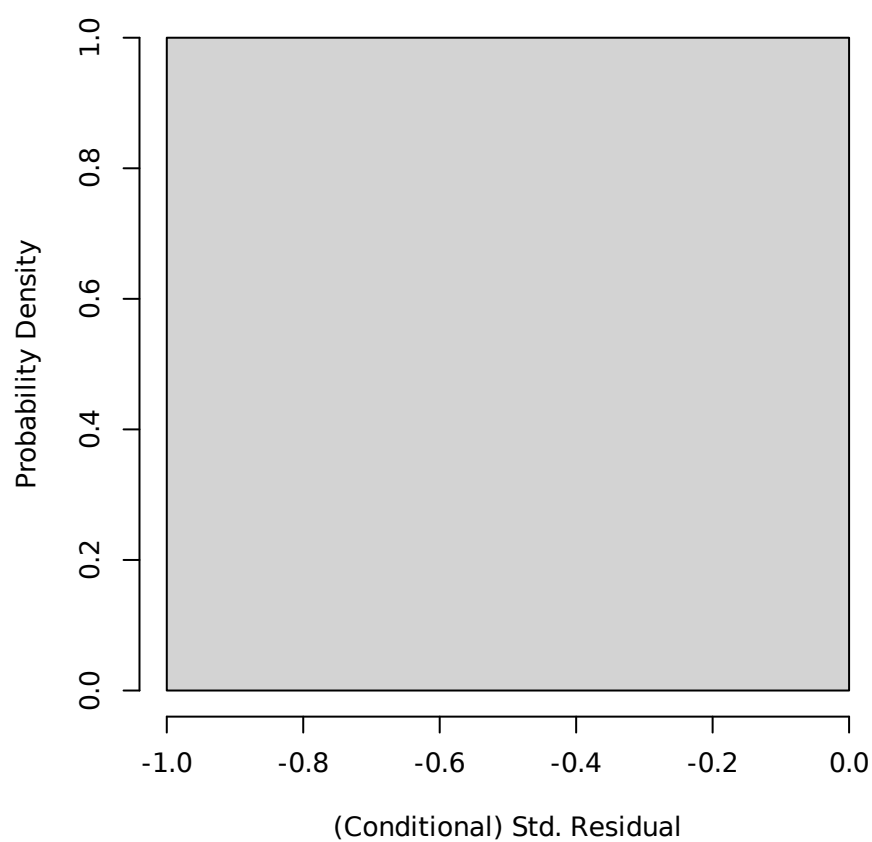
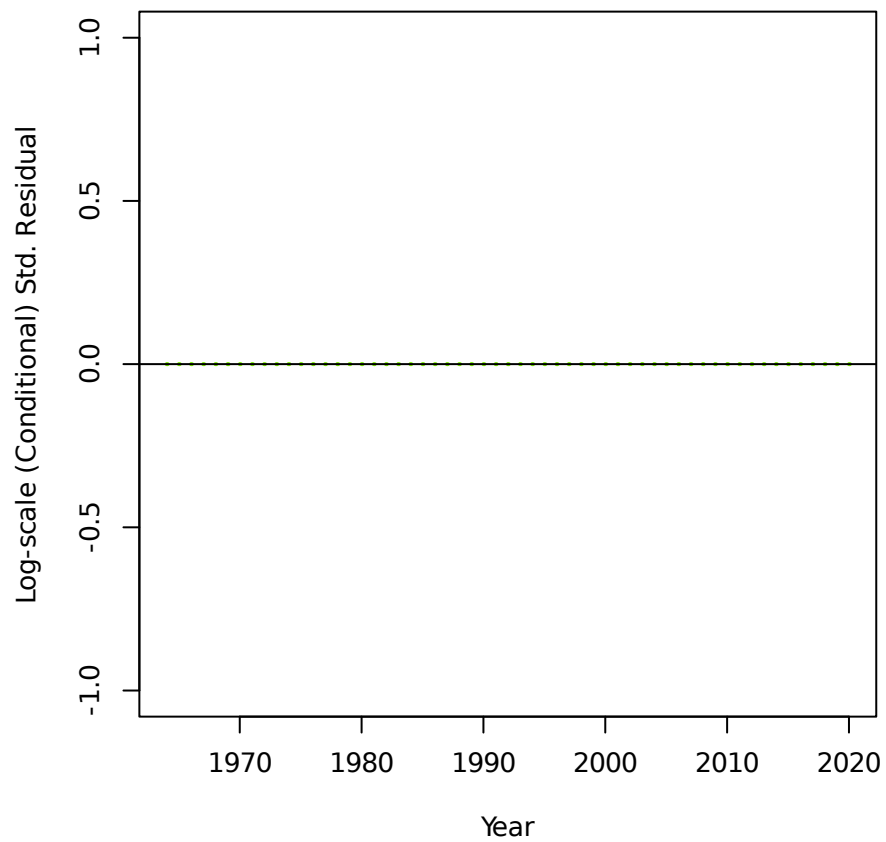
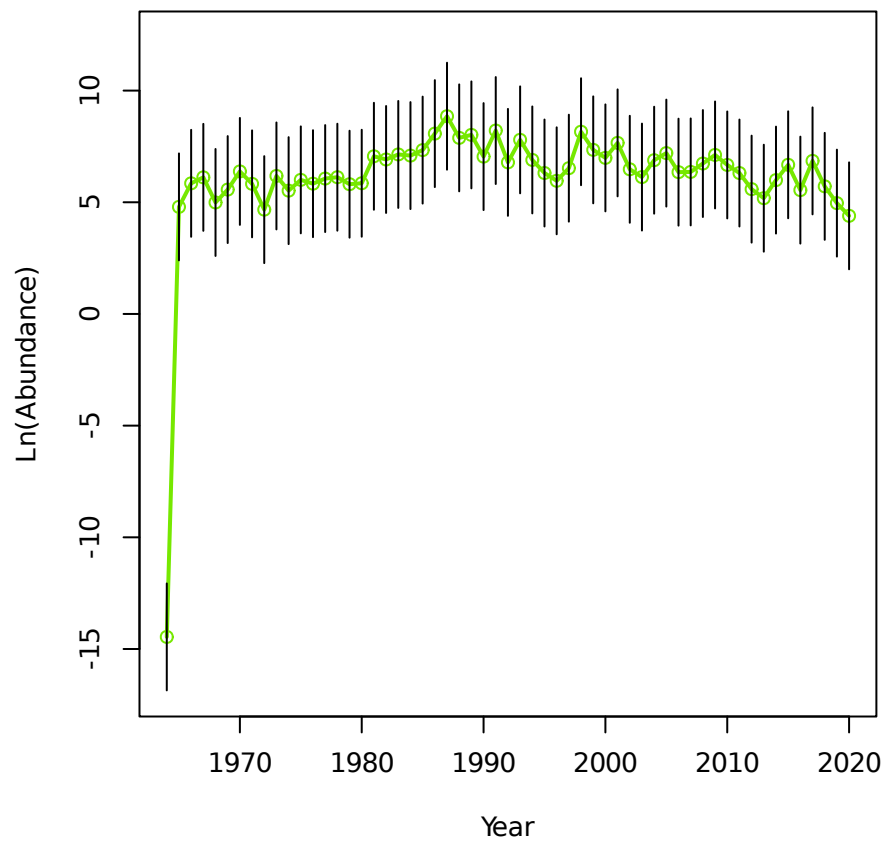
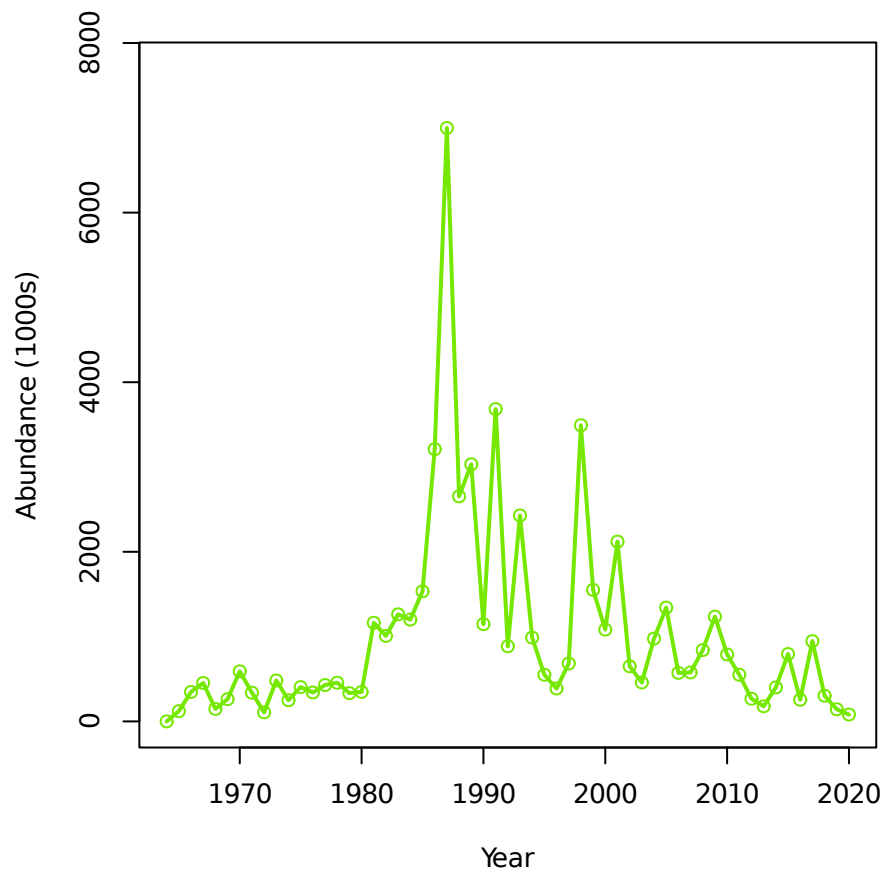
Conditional Expected and Posterior Estimates of Age 7 Abundance



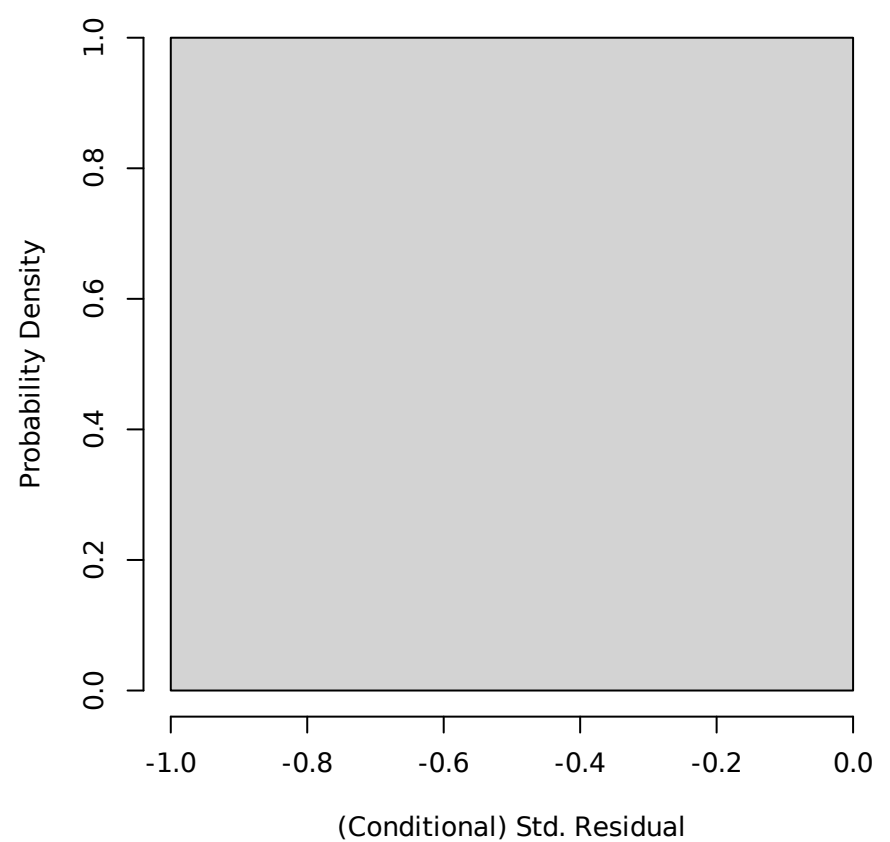
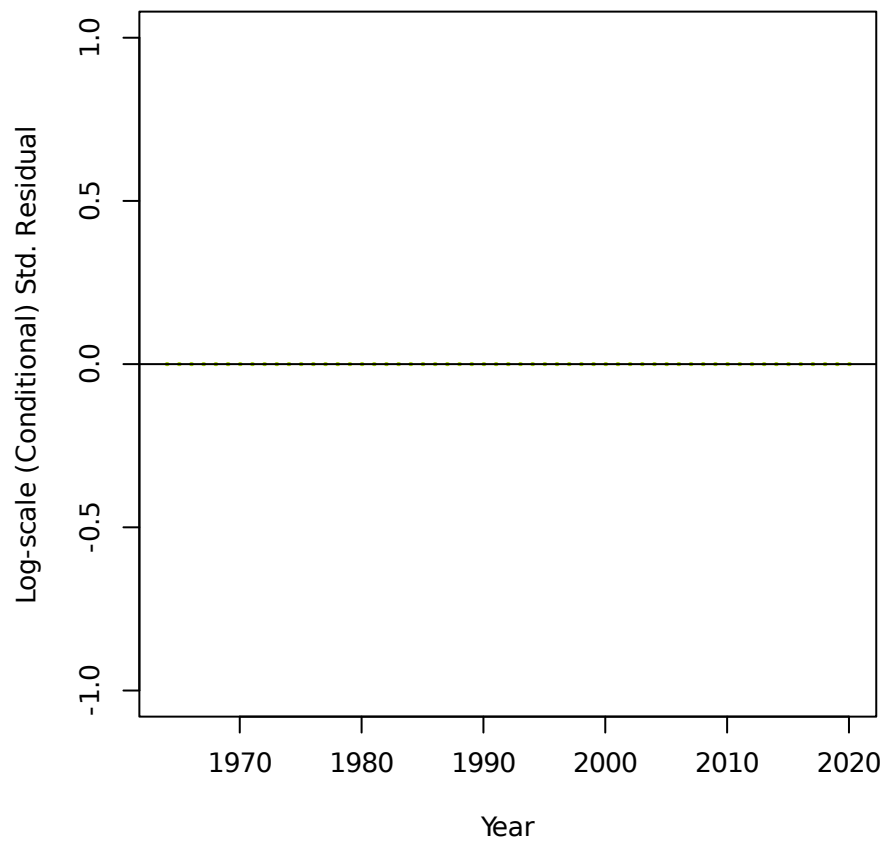
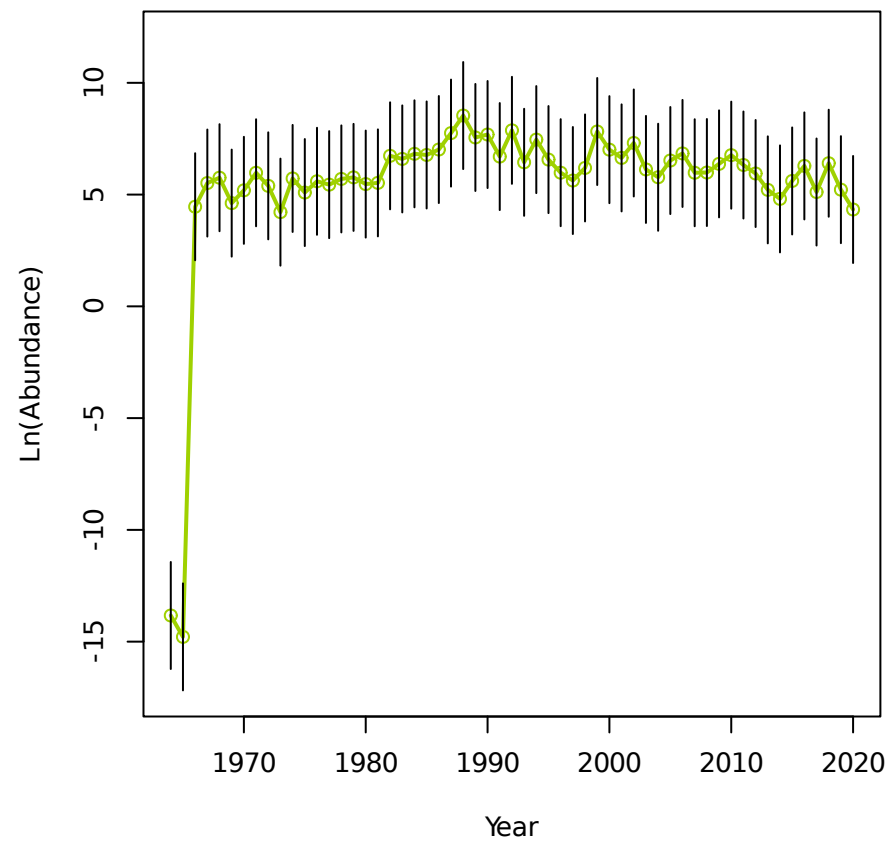
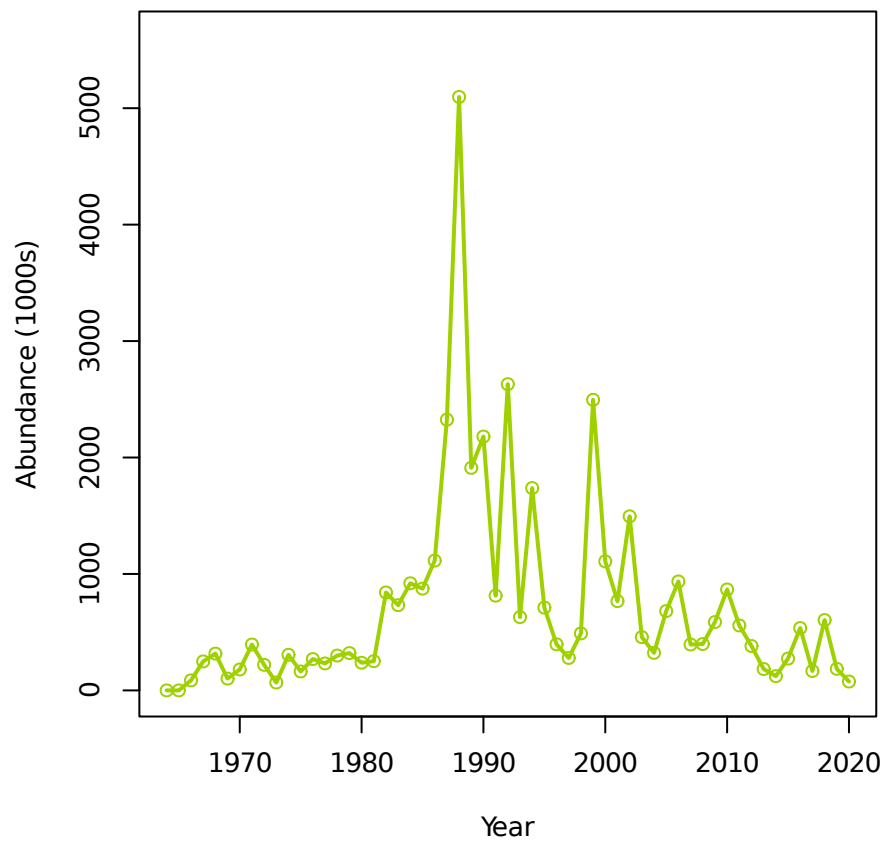
Conditional Expected and Posterior Estimates of Age 8 Abundance



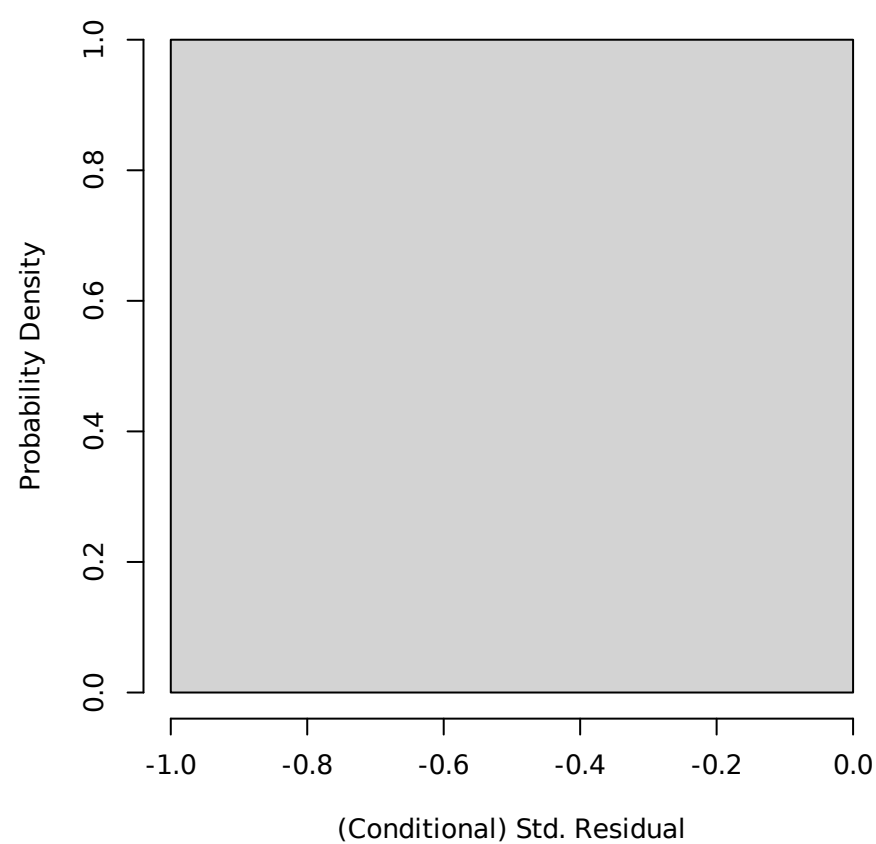
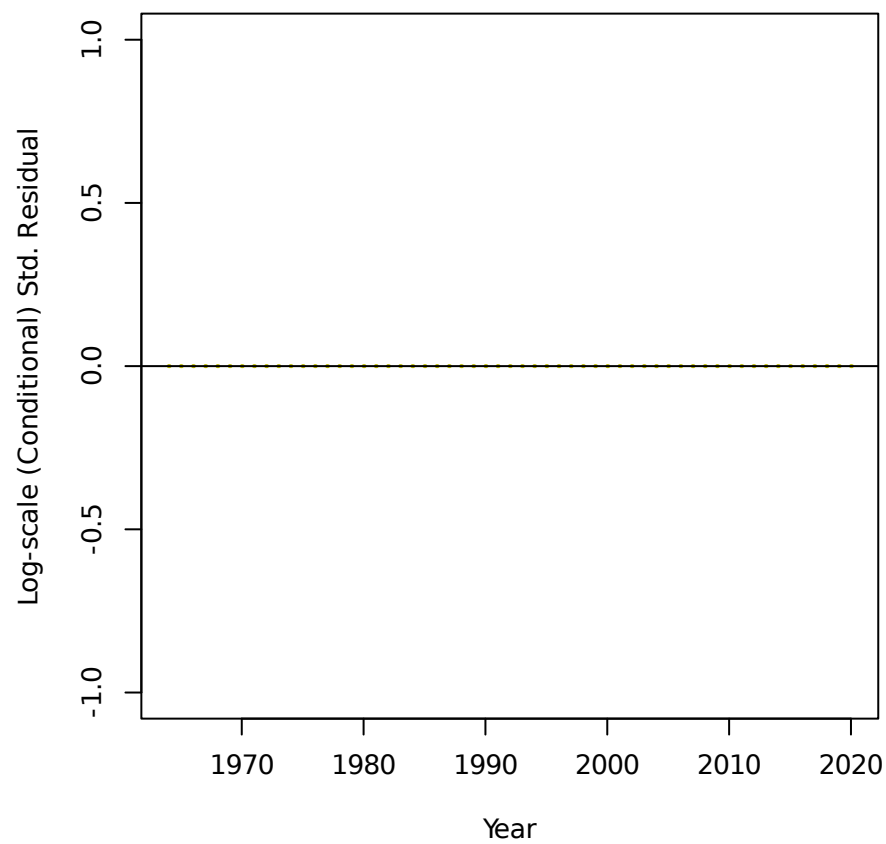
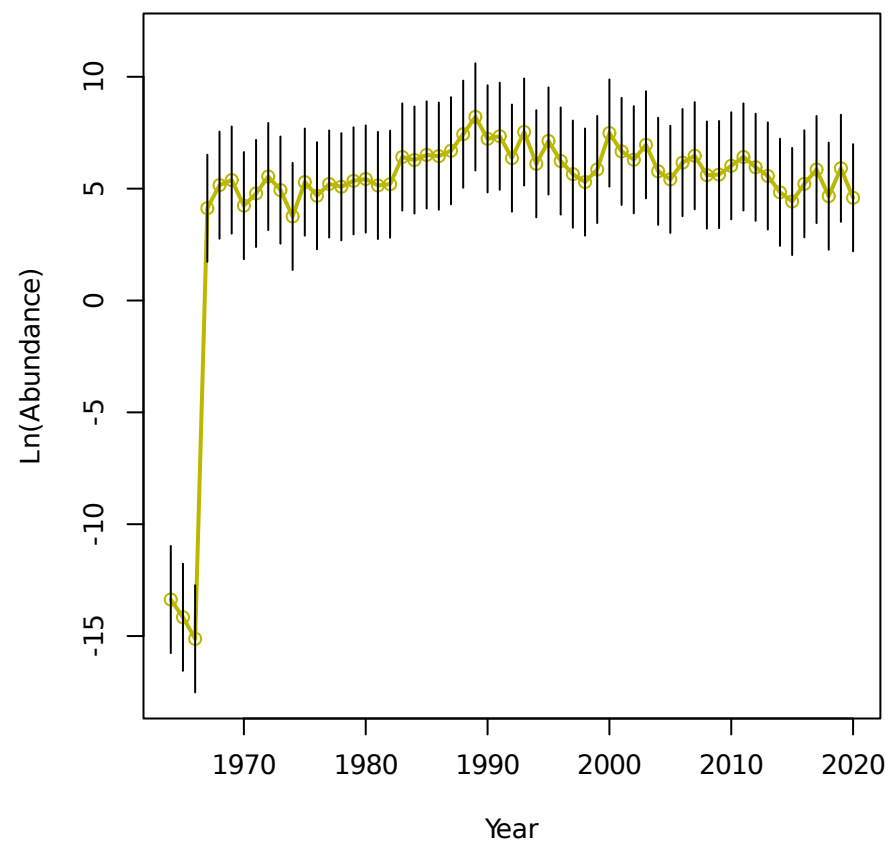
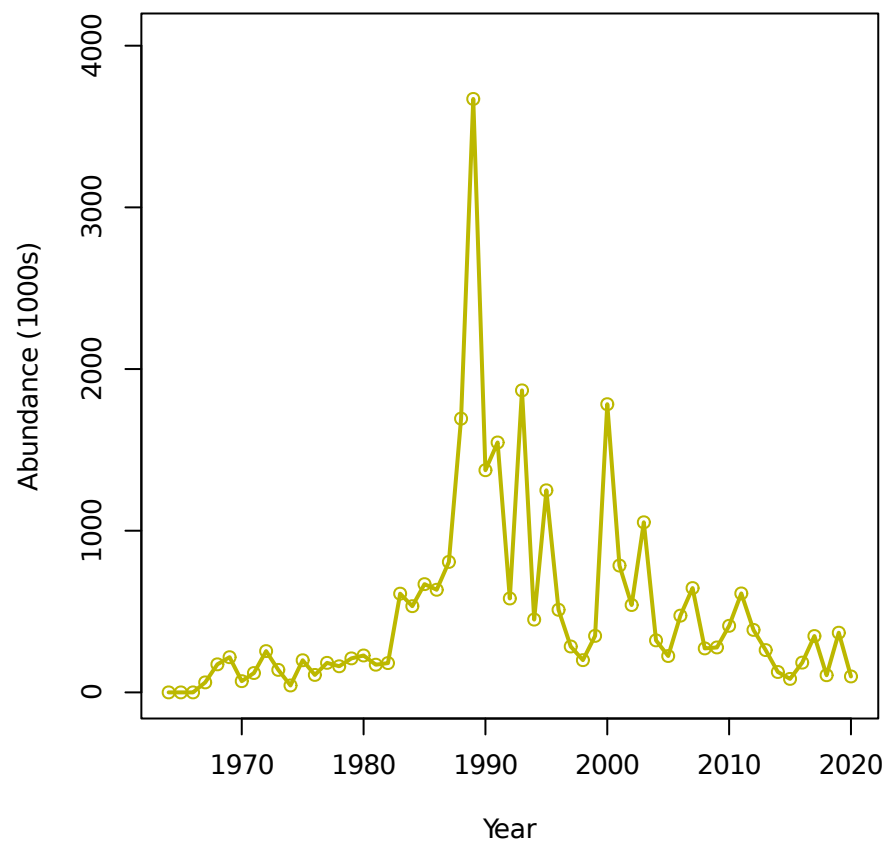
Conditional Expected and Posterior Estimates of Age 9 Abundance



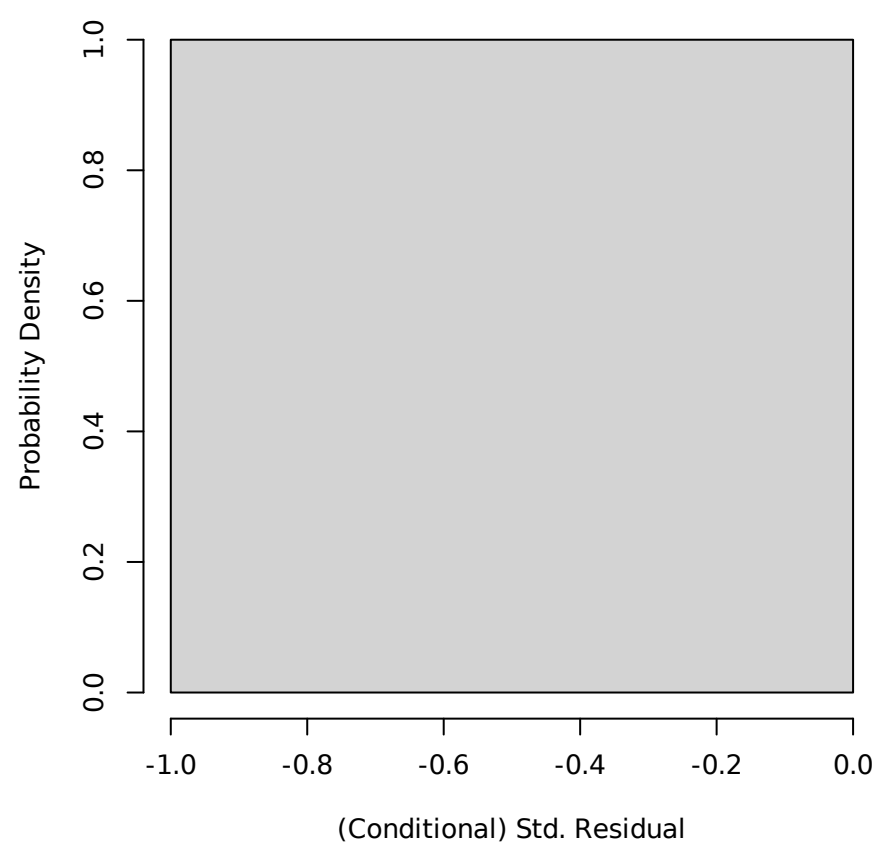
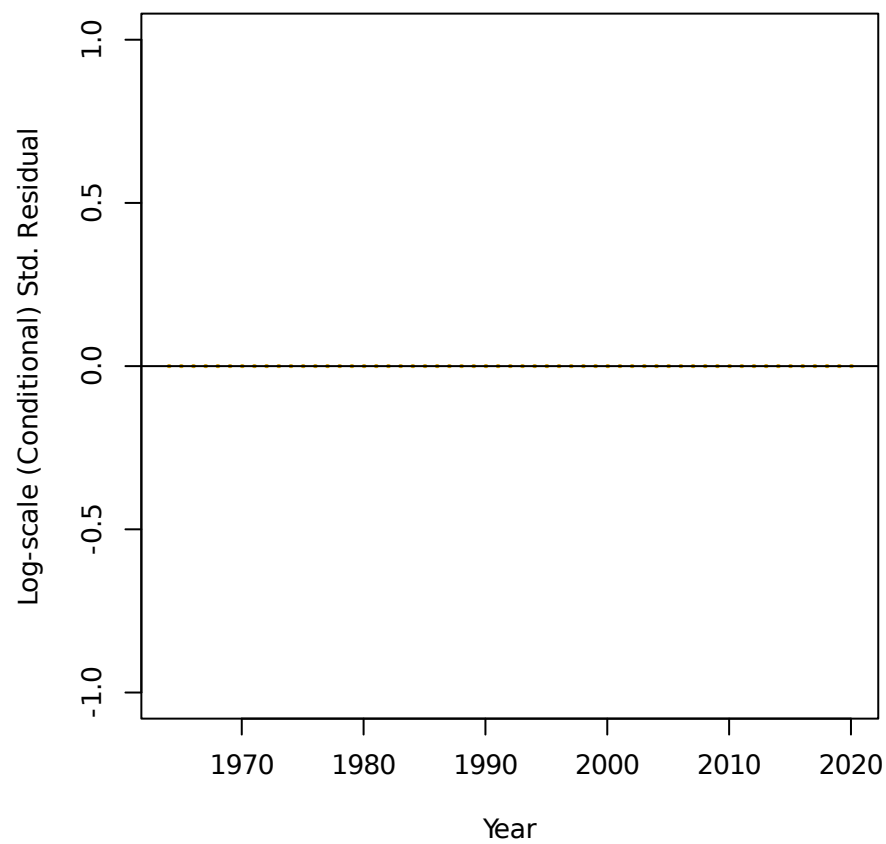
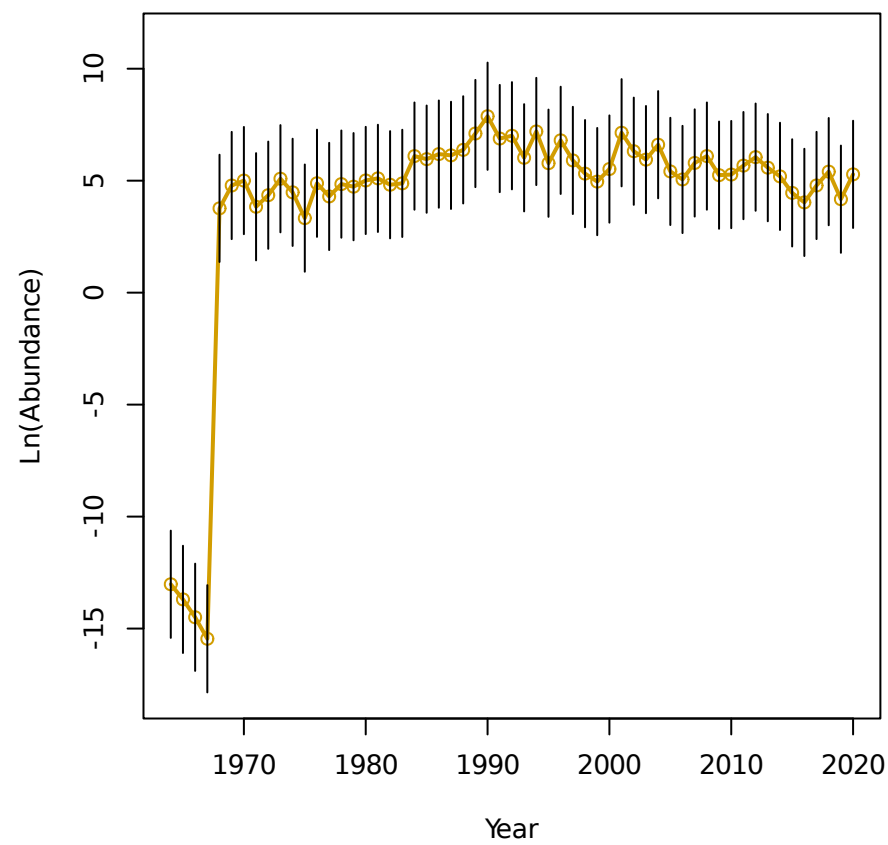
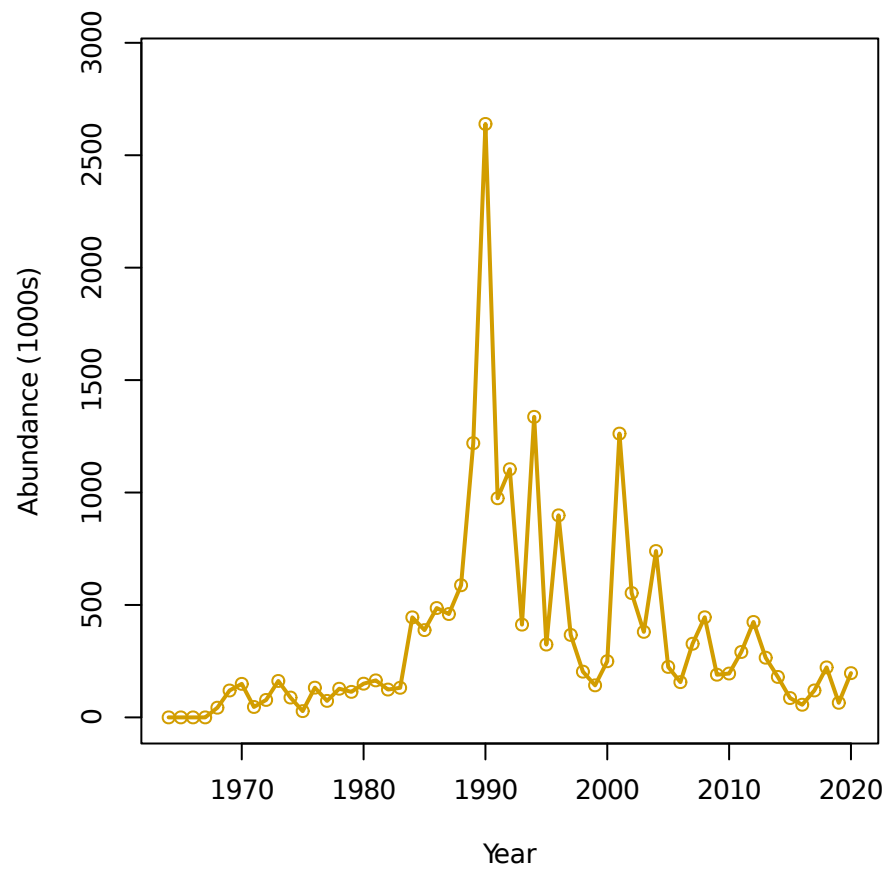
Conditional Expected and Posterior Estimates of Age 10 Abundance



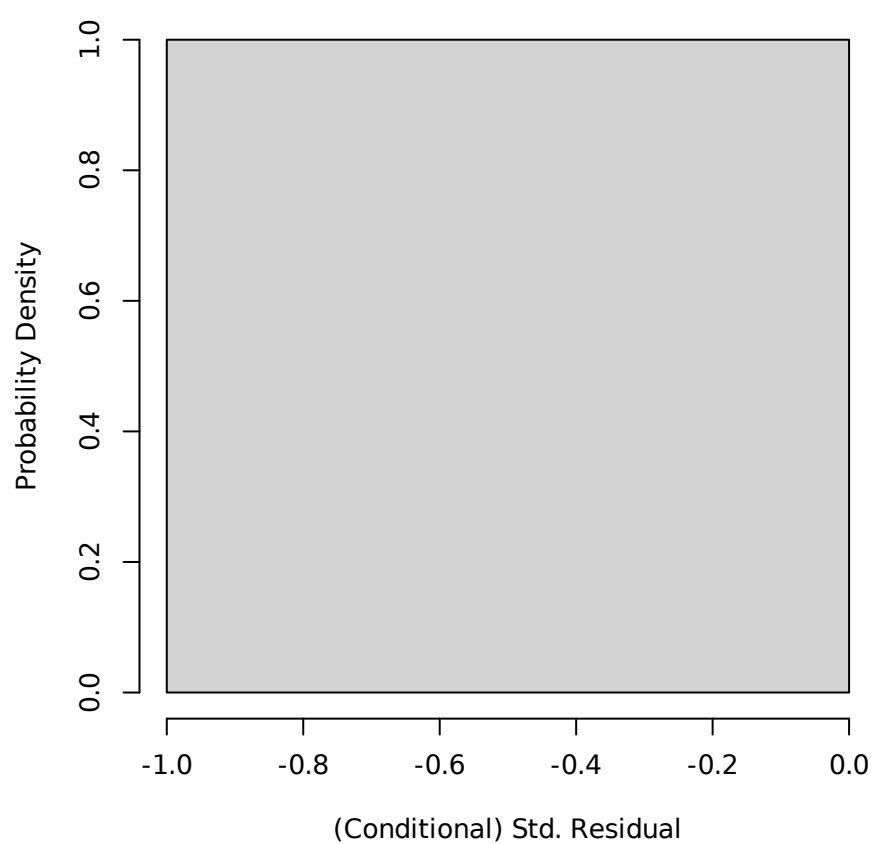
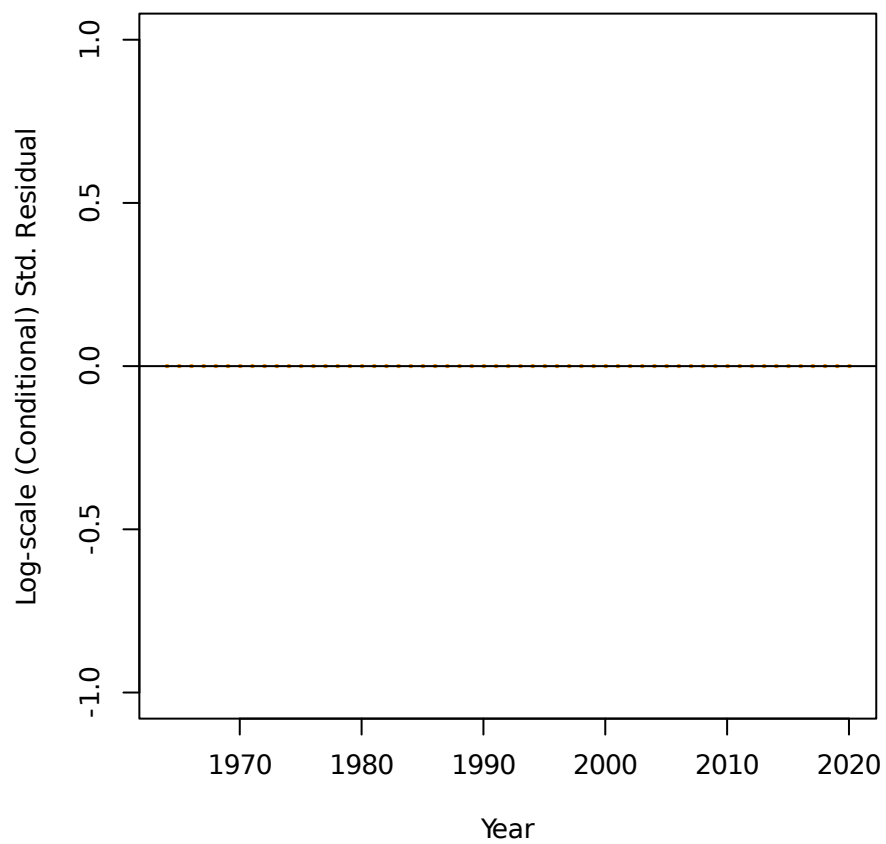
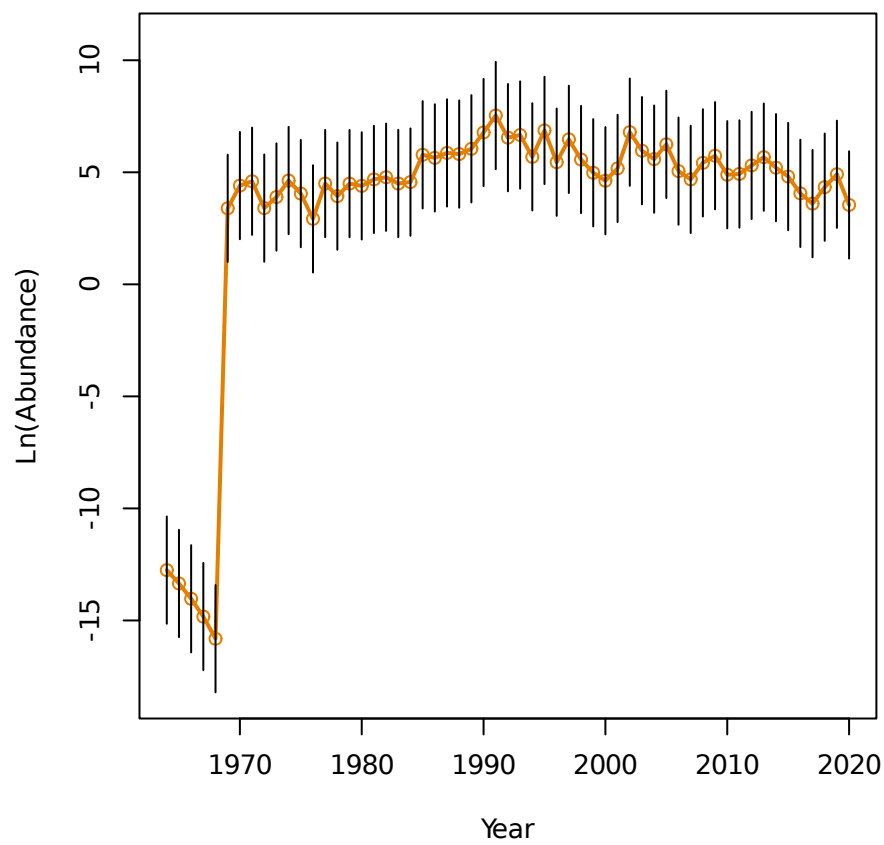
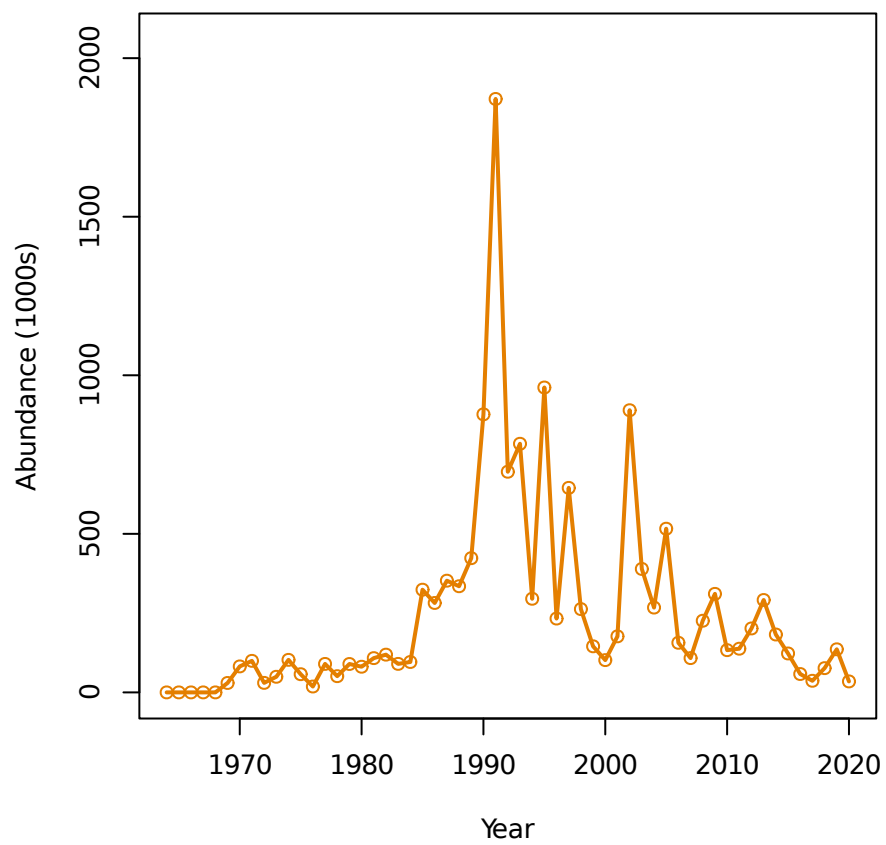
Conditional Expected and Posterior Estimates of Age 11 Abundance



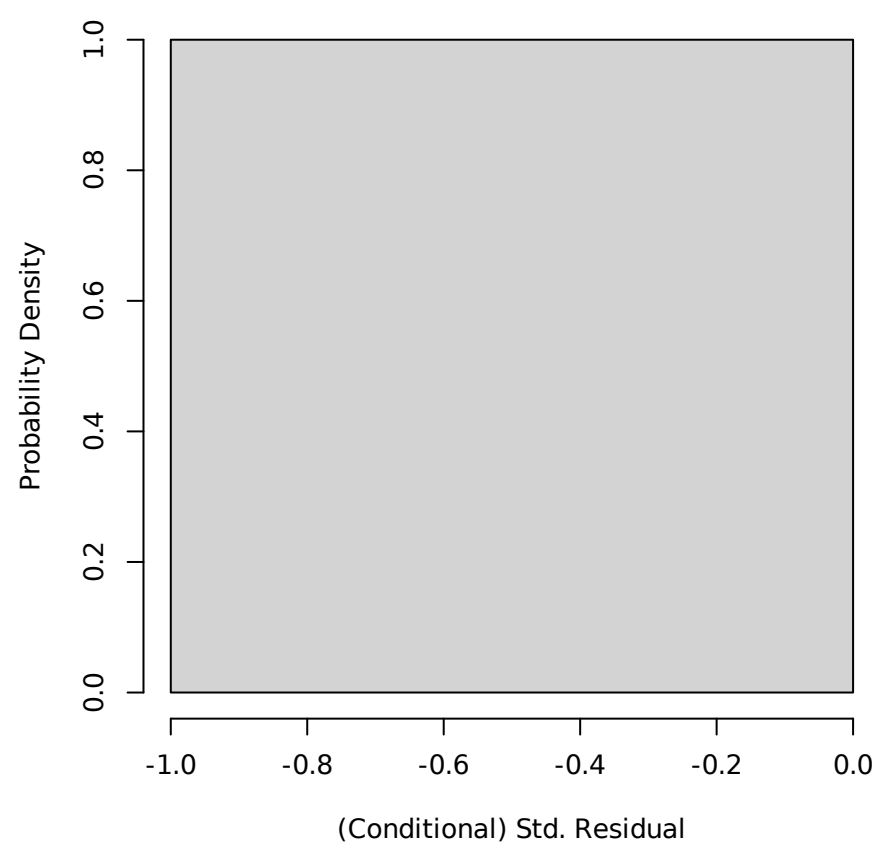
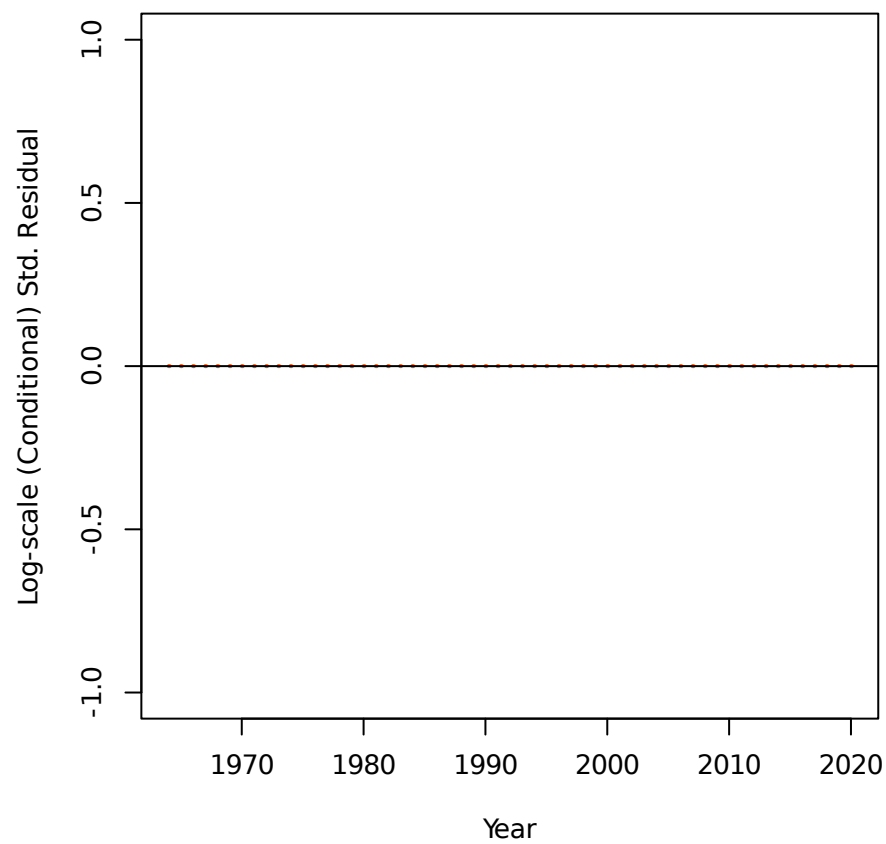
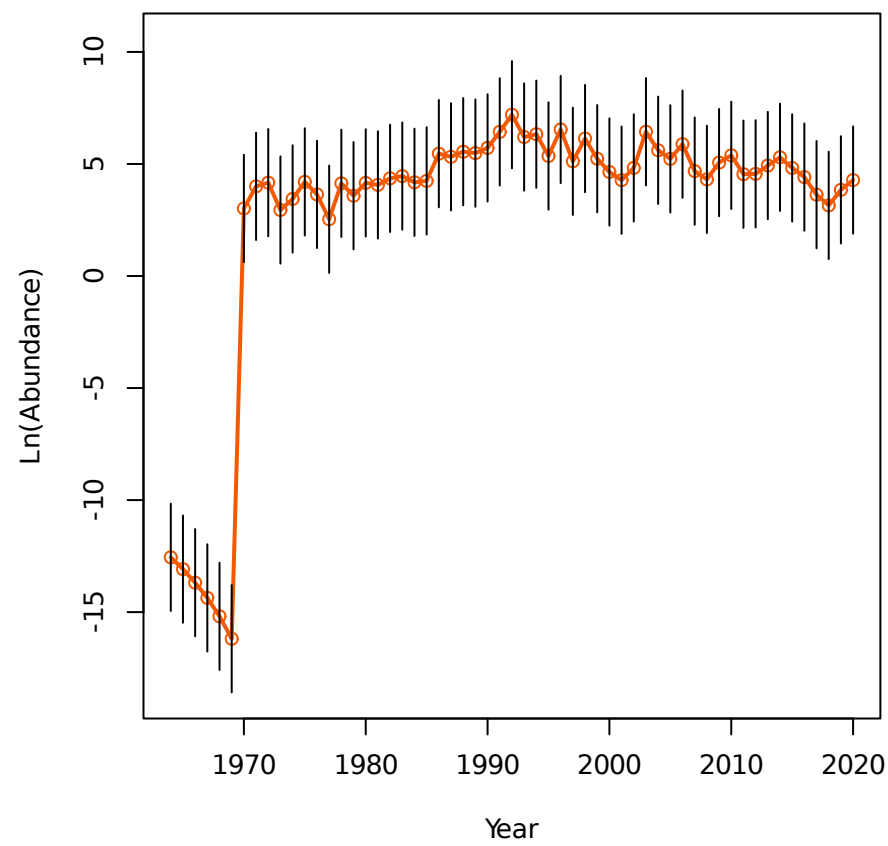
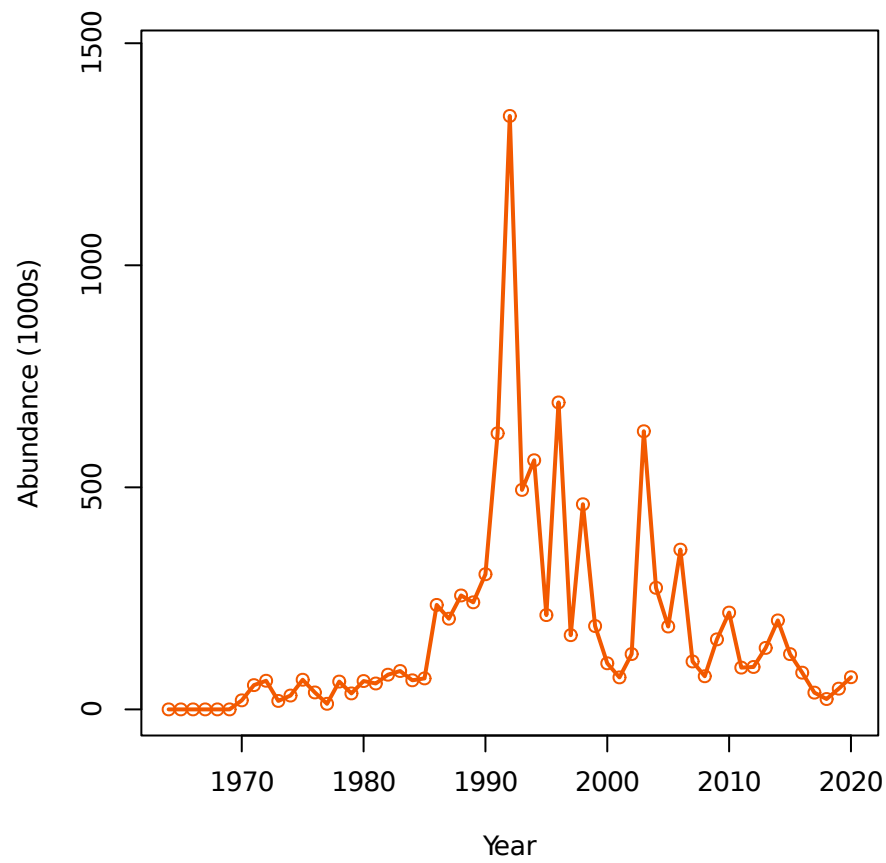
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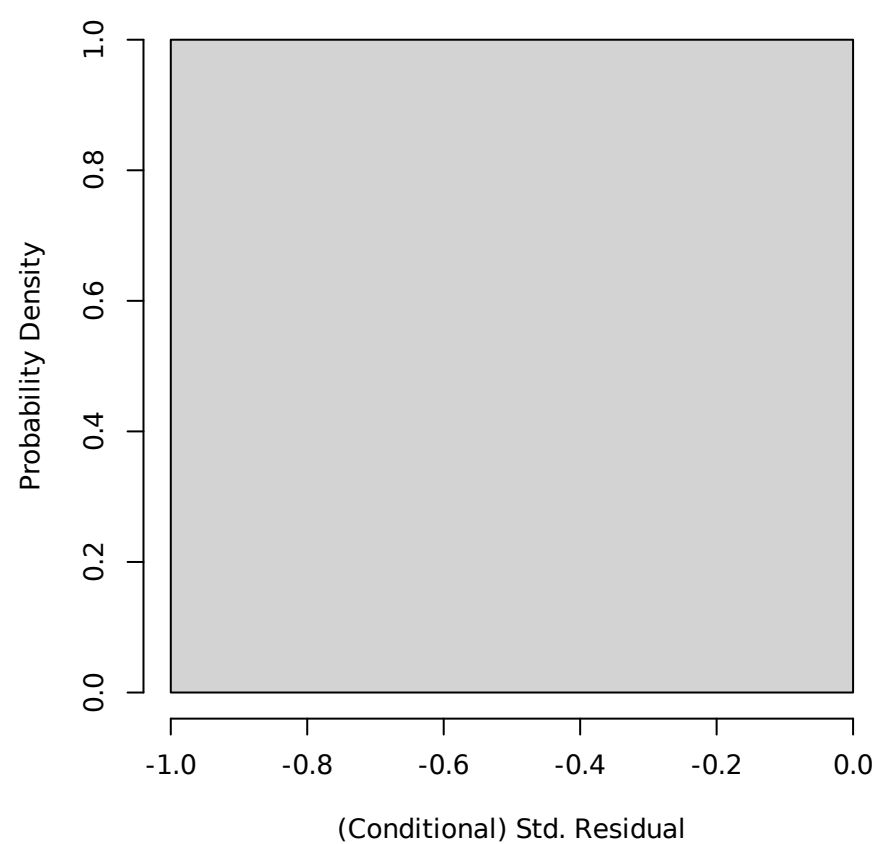
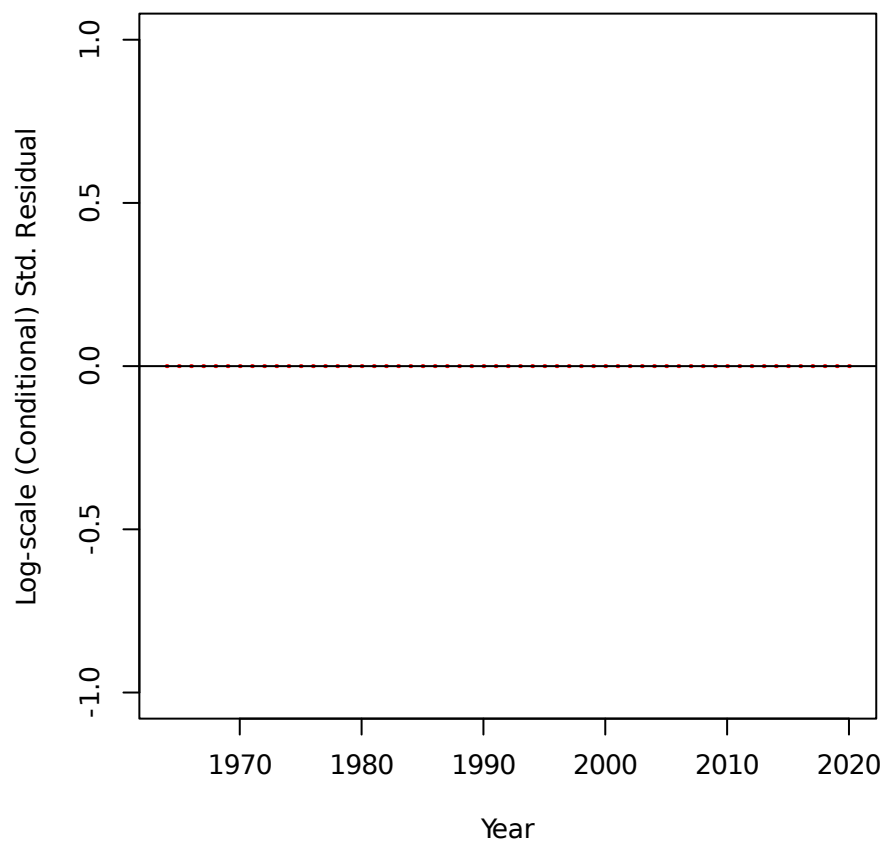
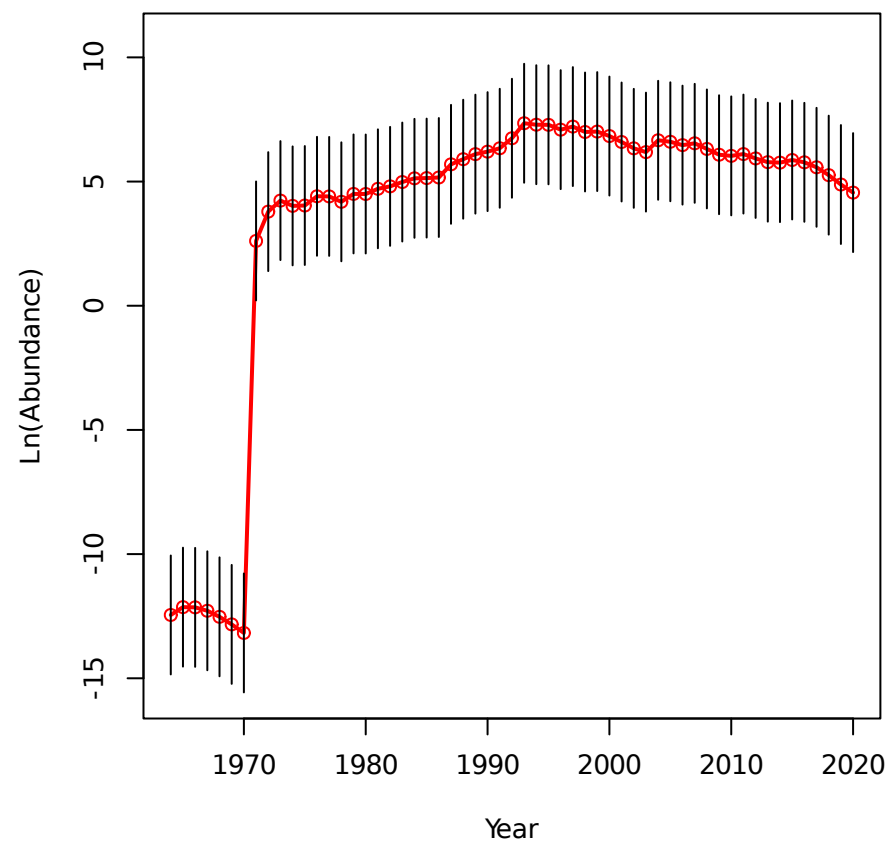
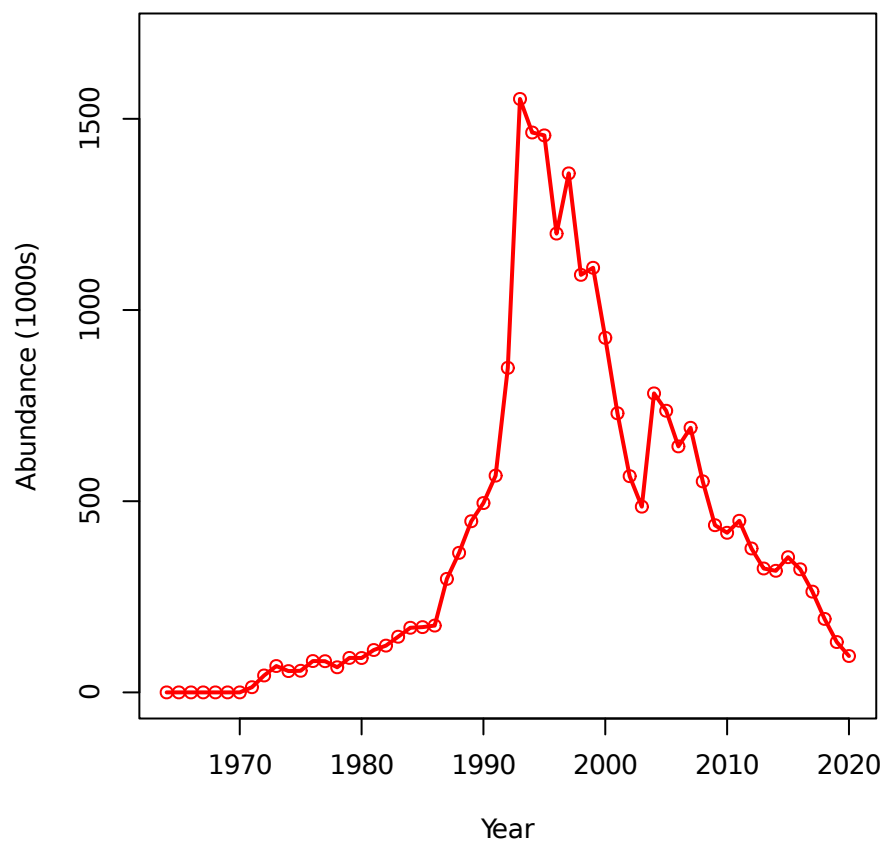
Conditional Expected and Posterior Estimates of Age 13 Abundance



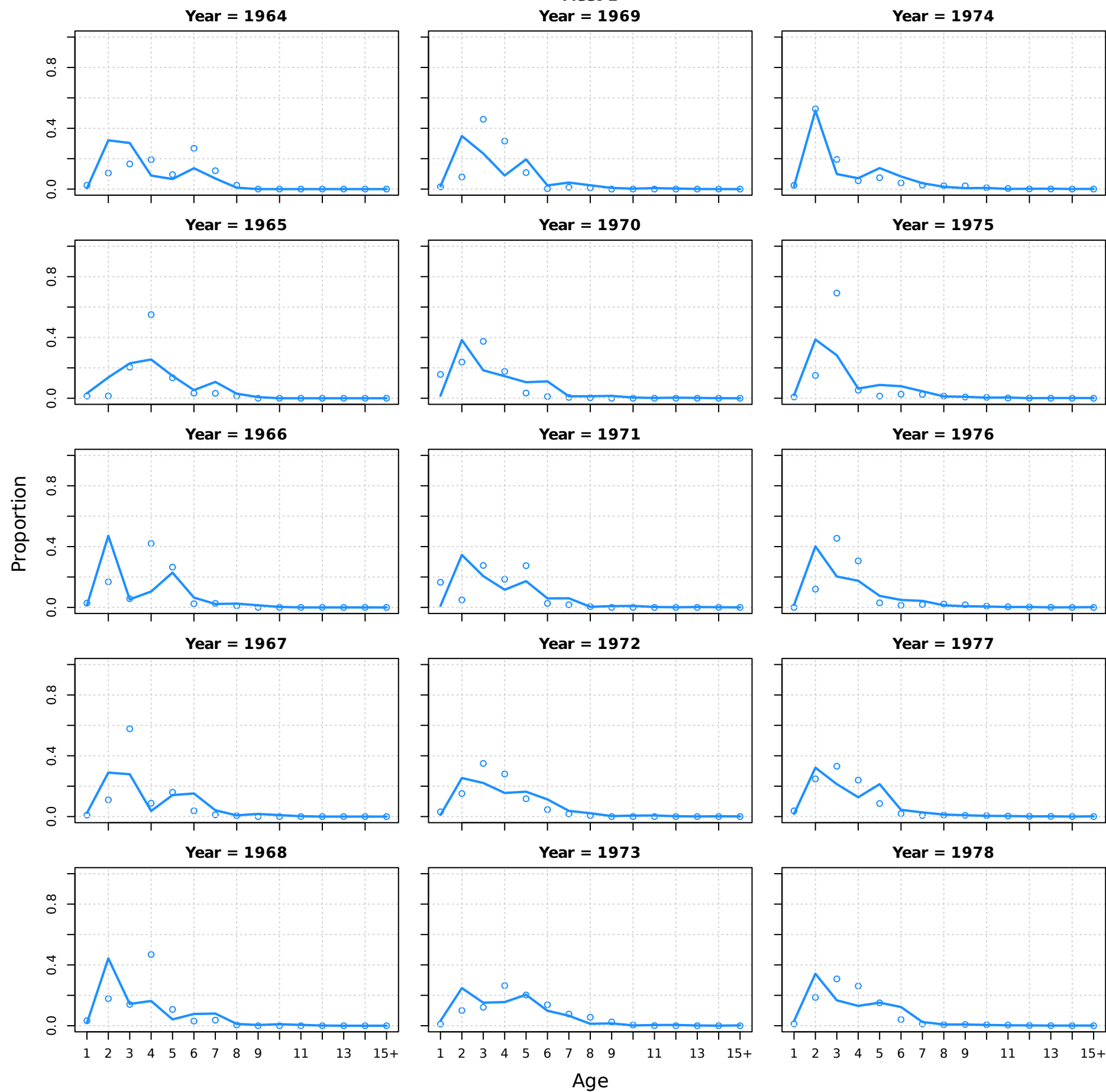
Conditional Expected and Posterior Estimates of Age 14 Abundance



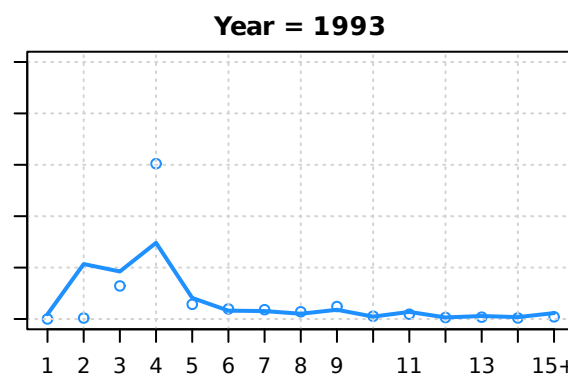
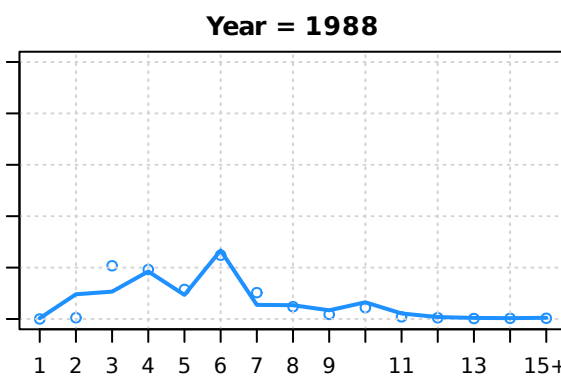
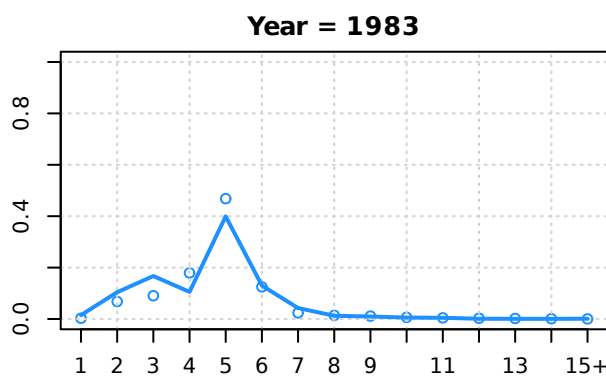
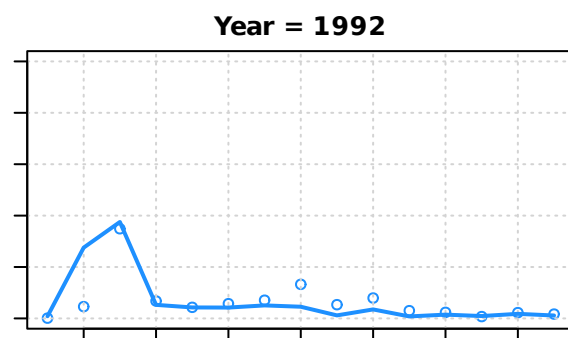
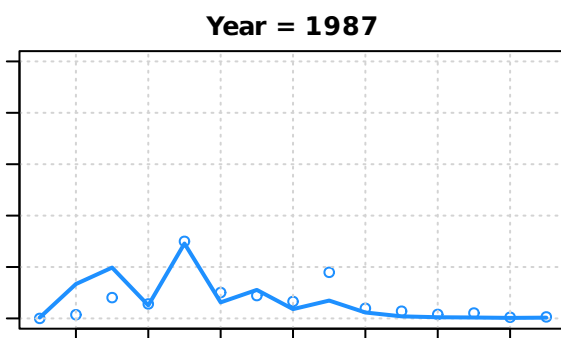
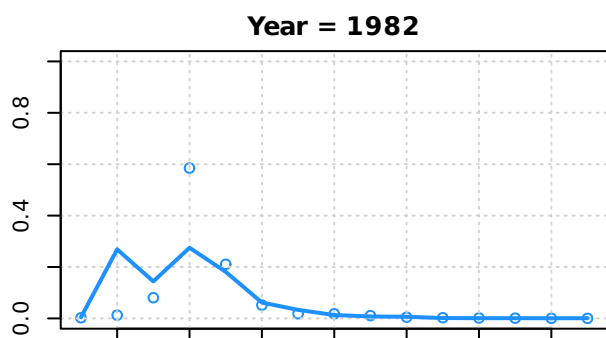
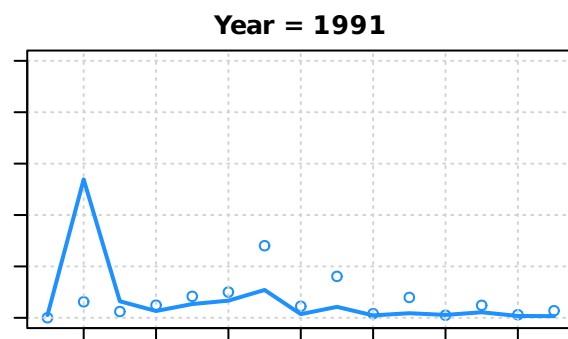
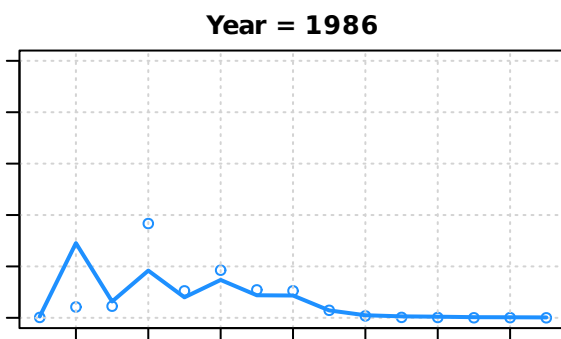
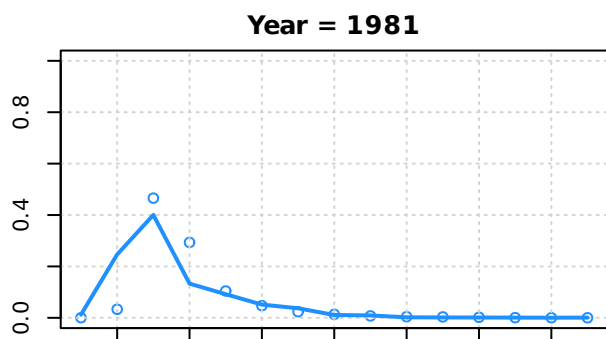
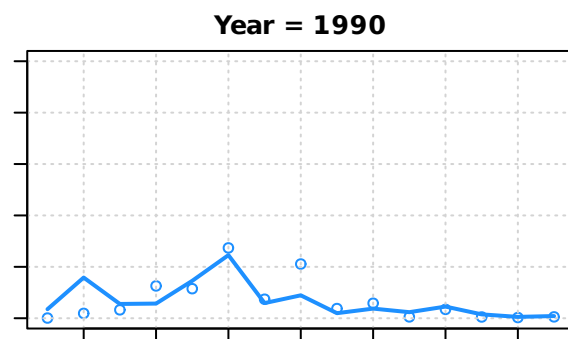
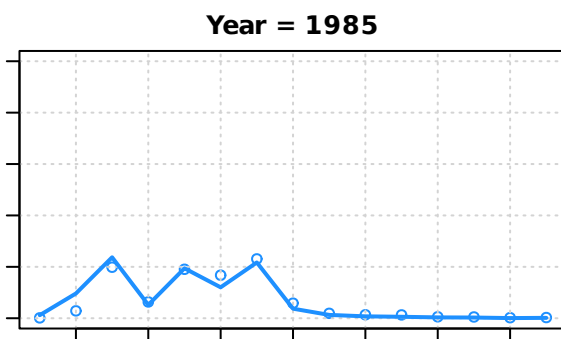
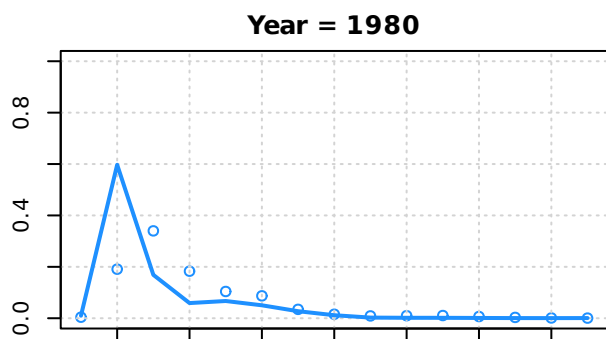
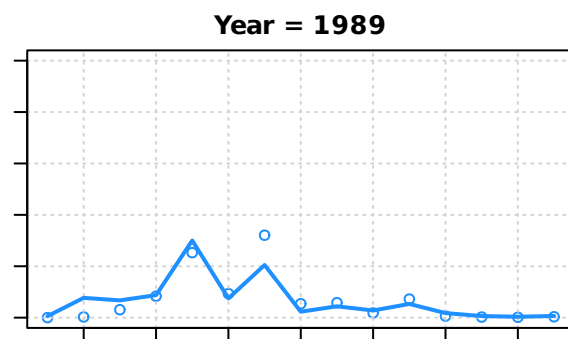
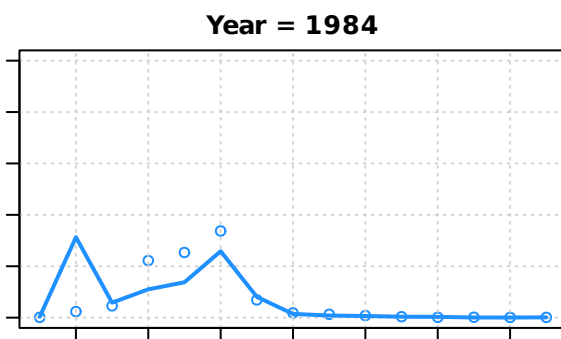
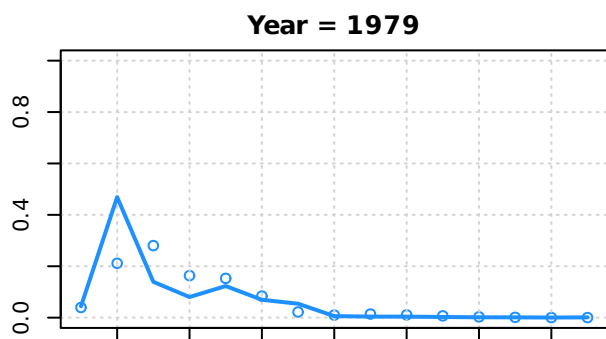
Conditional Expected and Posterior Estimates of Age 15 Abundance



Fleet 1

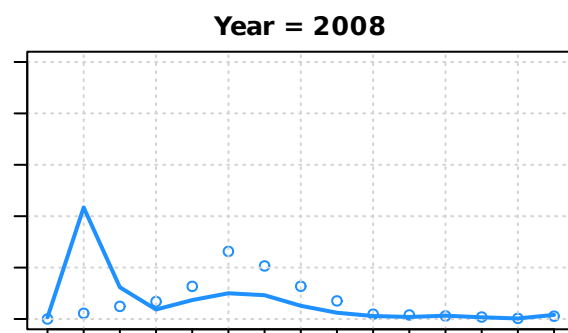
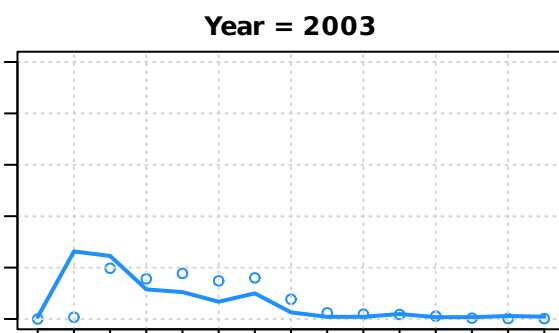
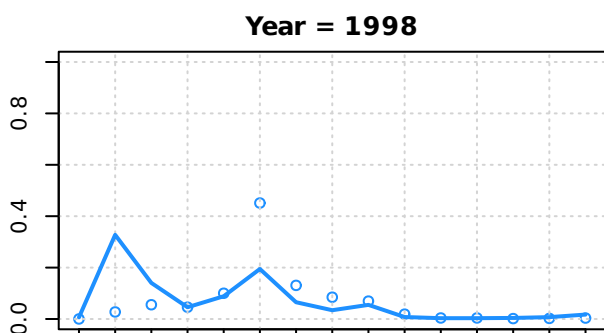
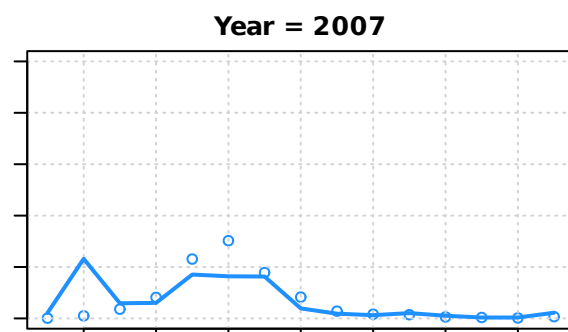
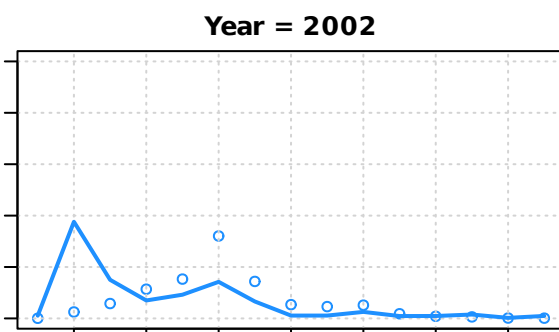
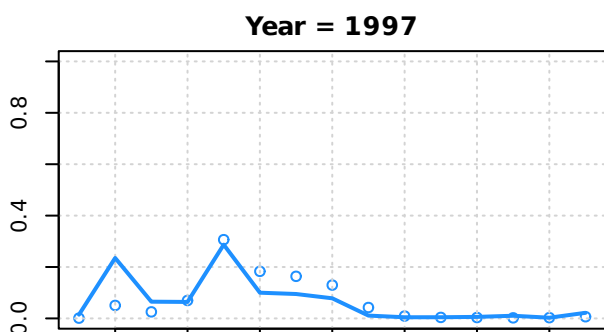
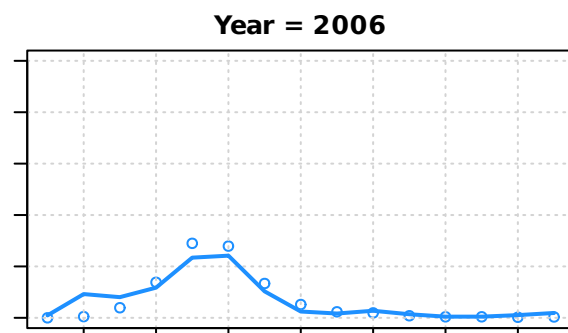
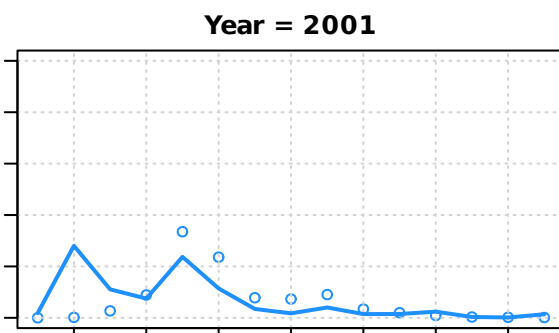
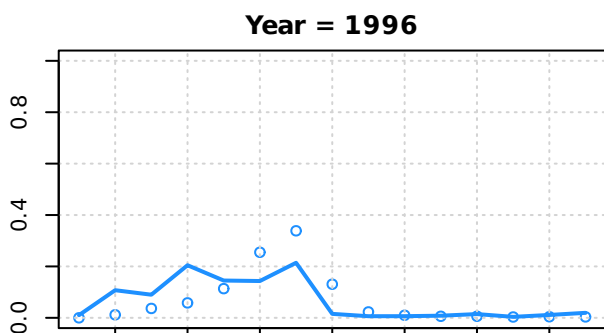
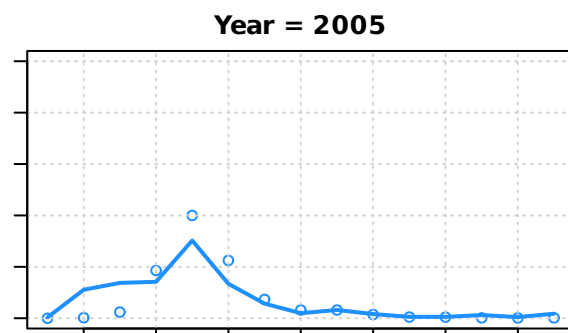
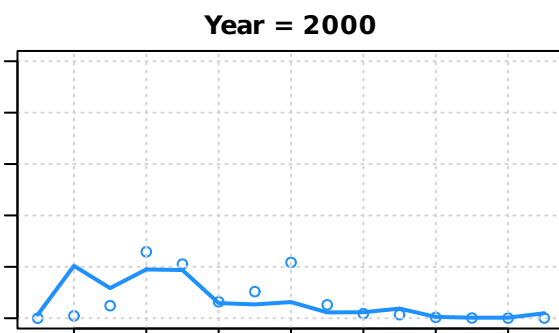
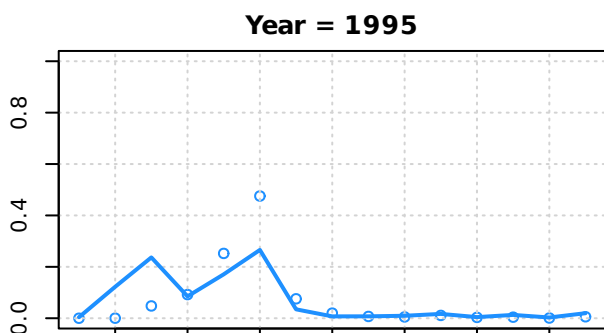
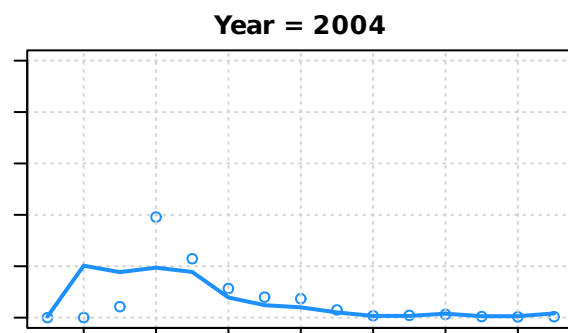
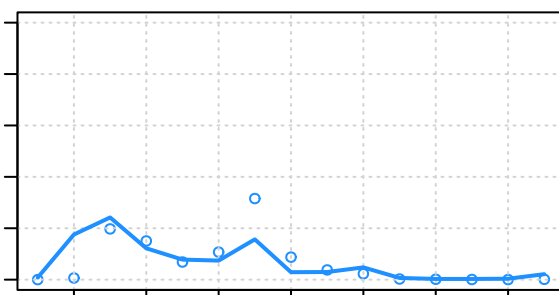
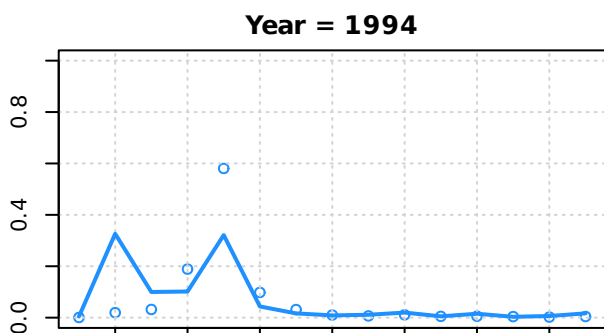


Fleet 1
Year = 1984



Age

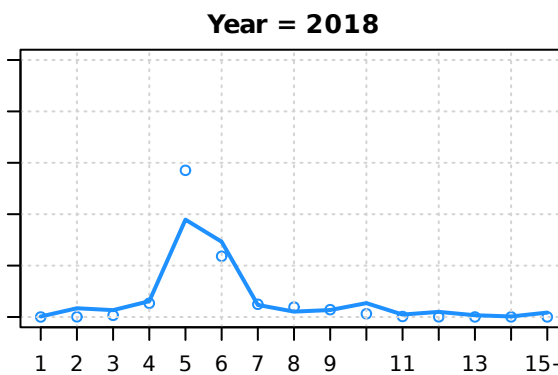
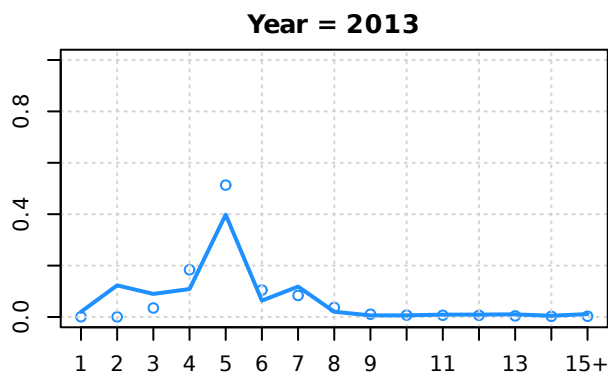
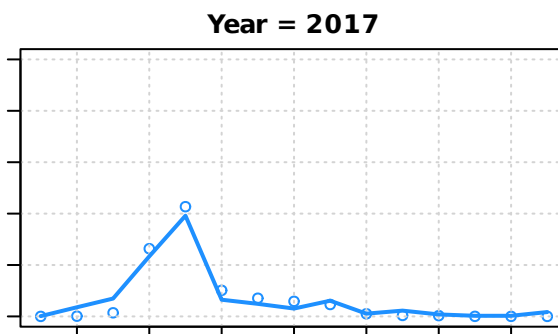
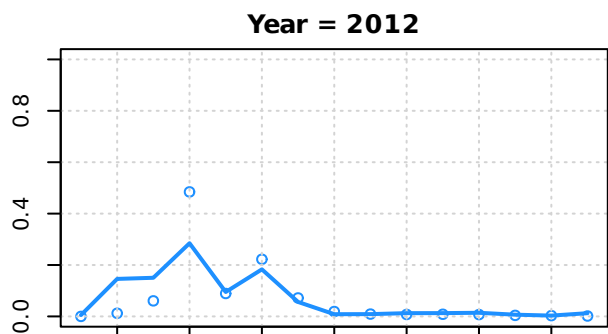
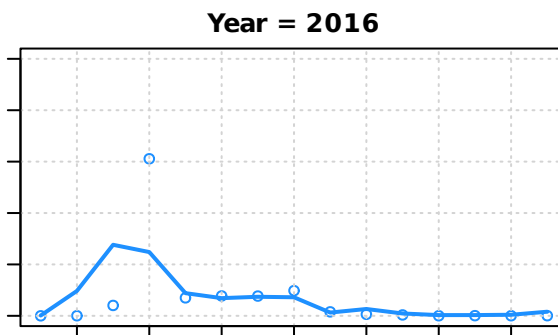
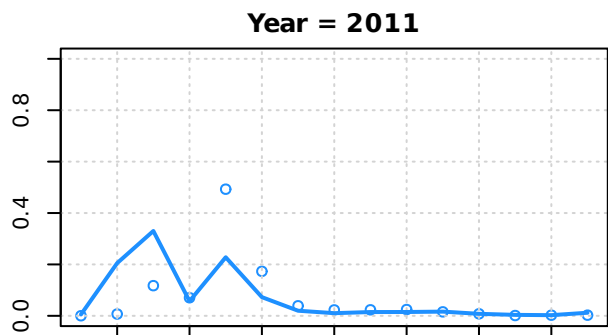
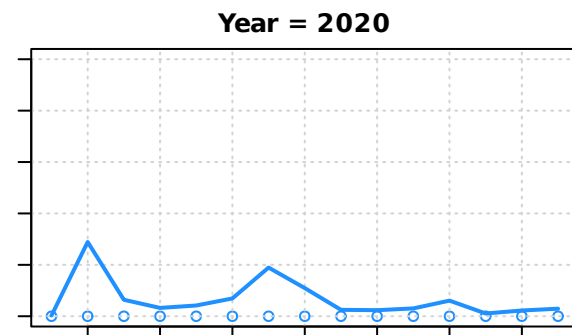
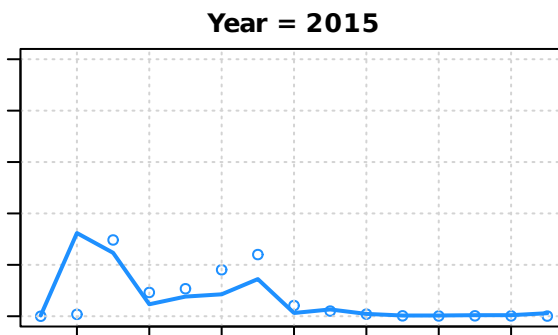
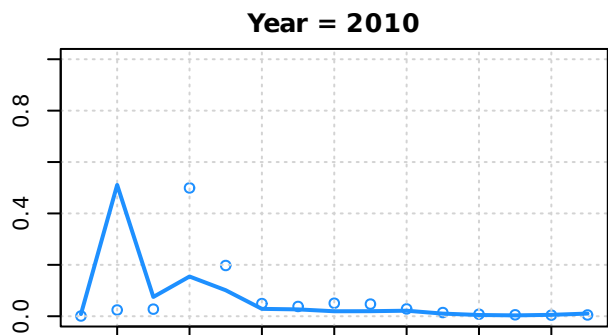
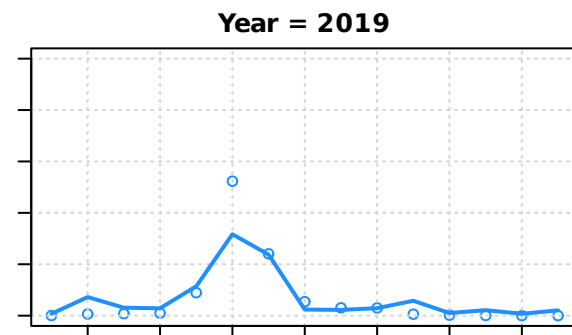
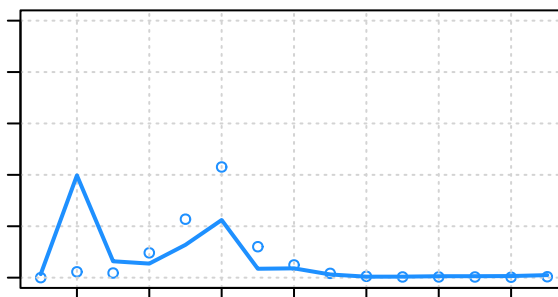
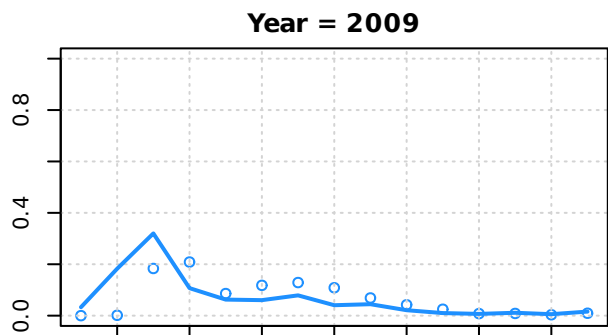
Fleet 1
Year = 1999



Proportion

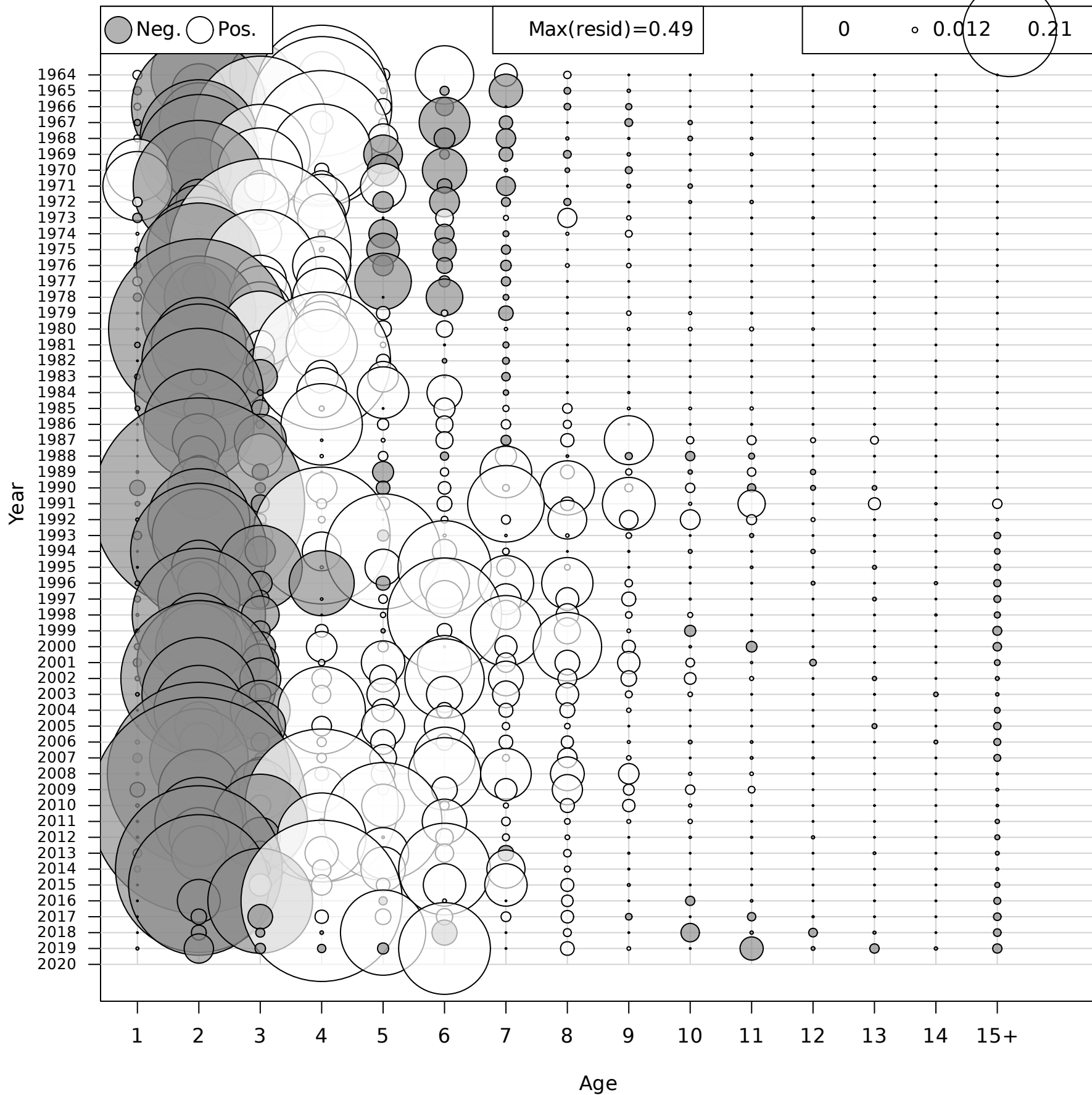
Age

Fleet 1
Year = 2014



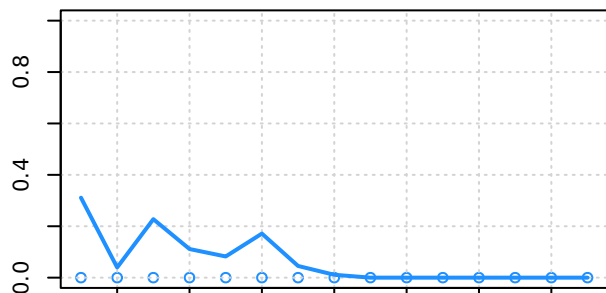
Age

Age Comp Residuals (Observed-Predicted) for Fleet 1

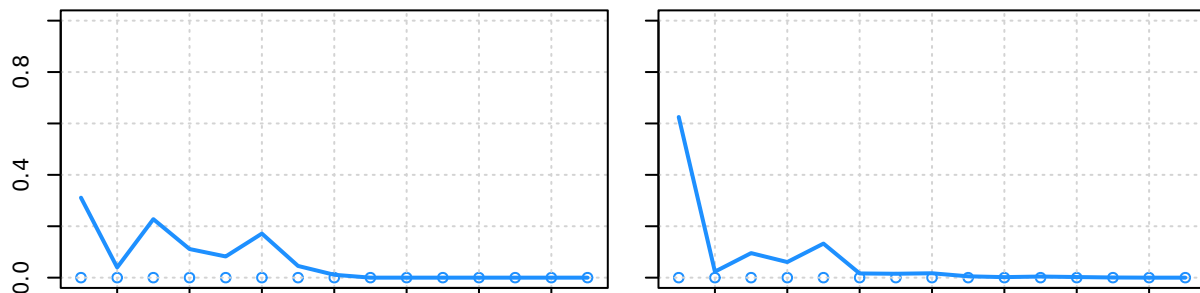


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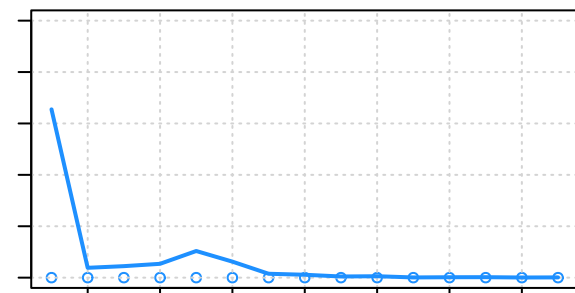
Year = 1964



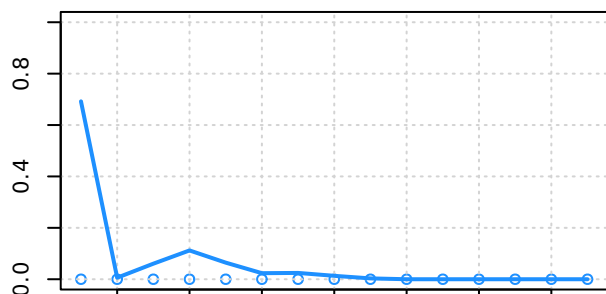
Year = 1969



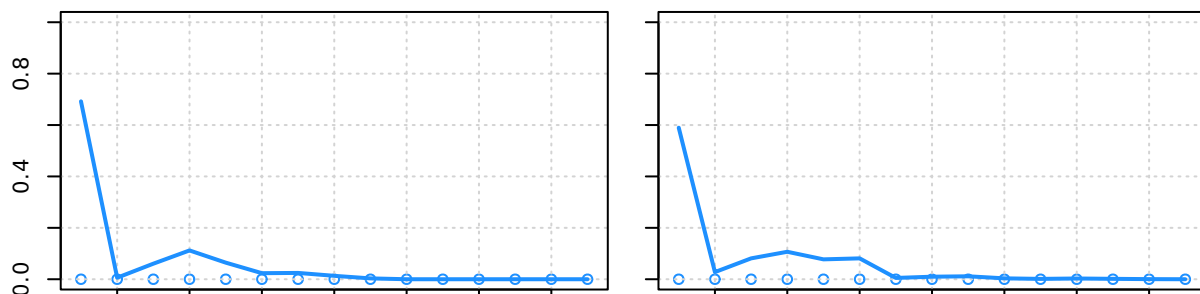
Year = 1974



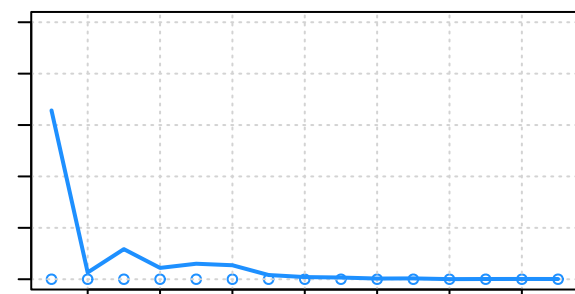
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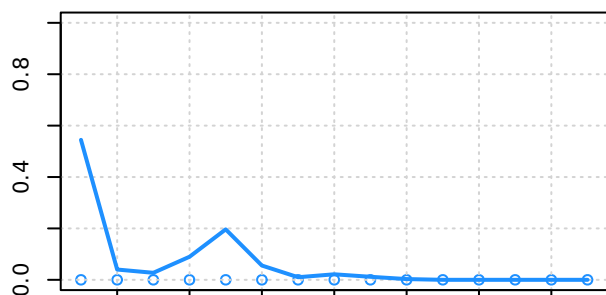
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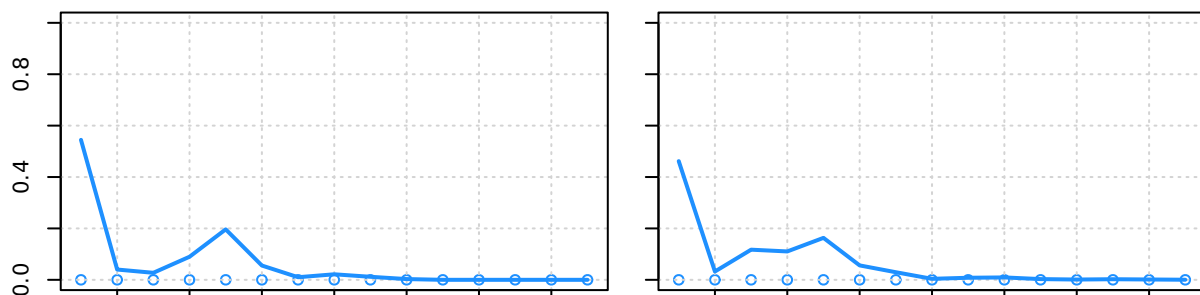
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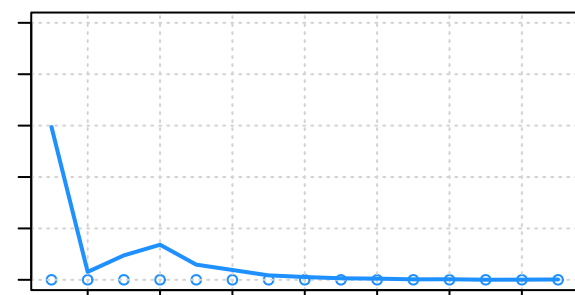
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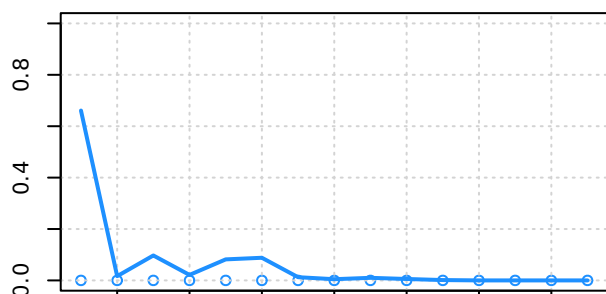
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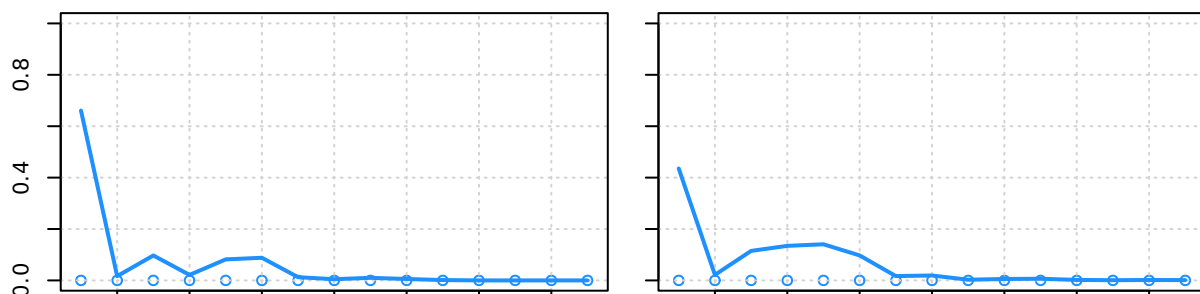
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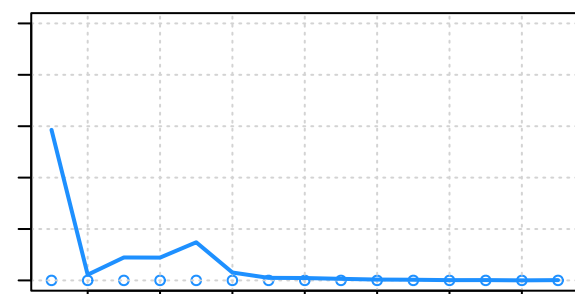
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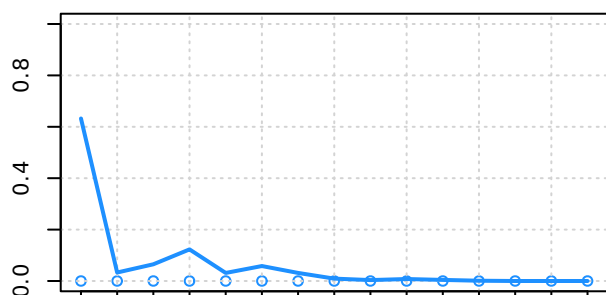
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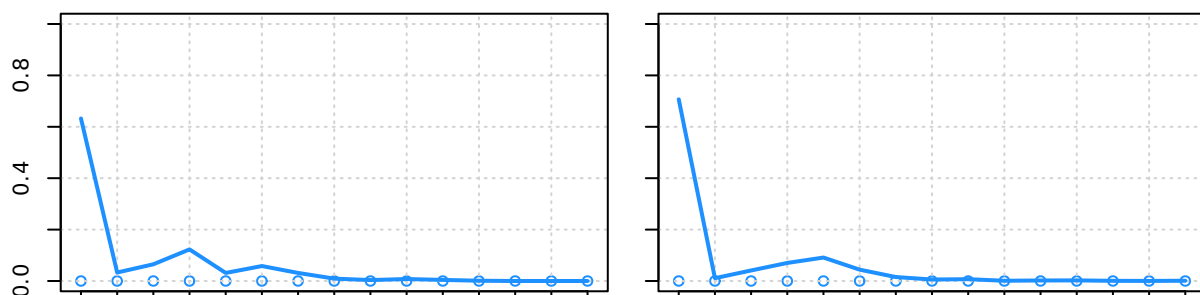
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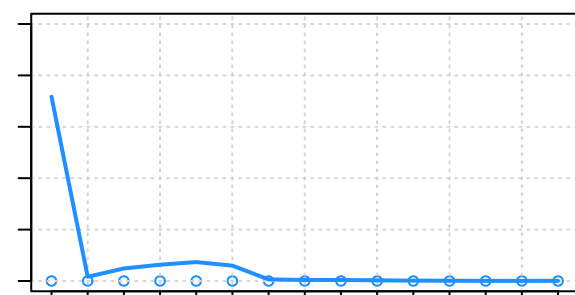
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Year = 1973



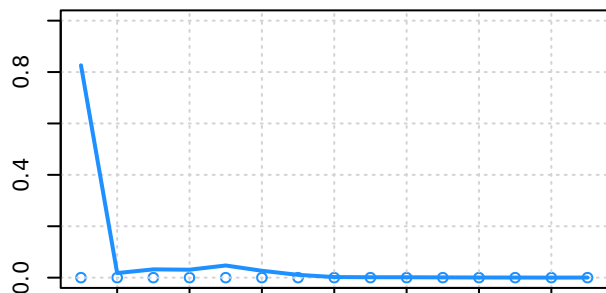
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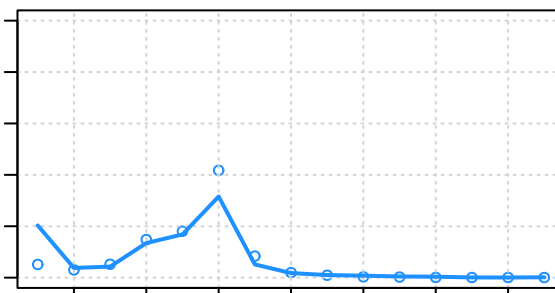
Age

Index 1

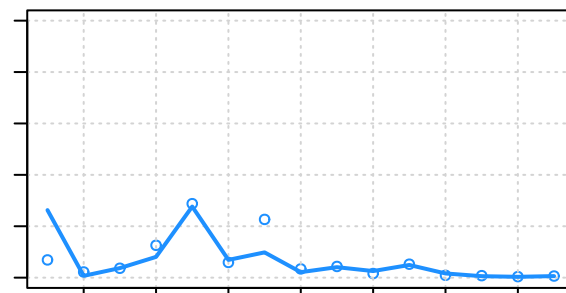
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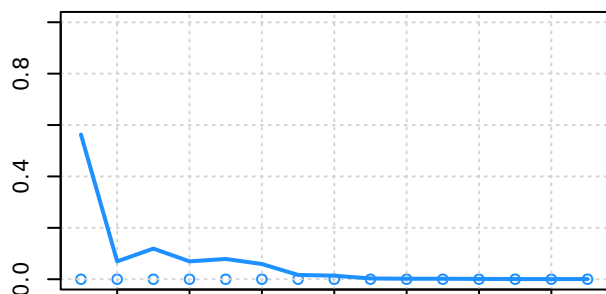
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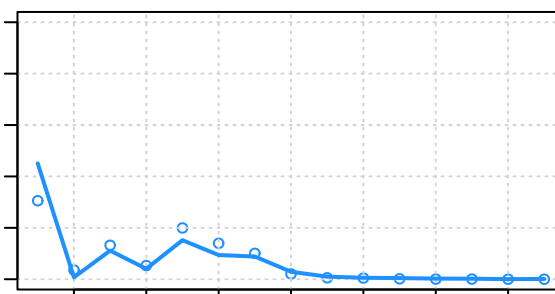
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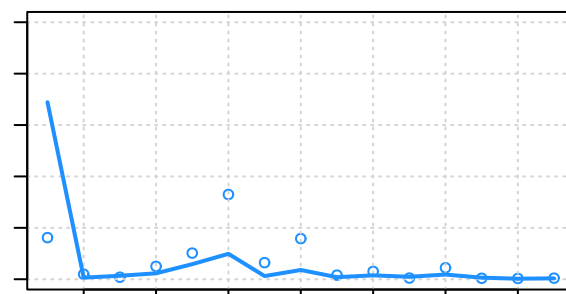
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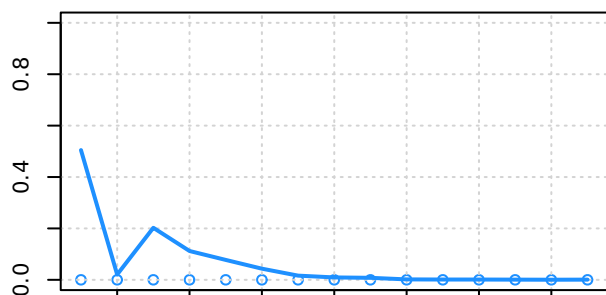
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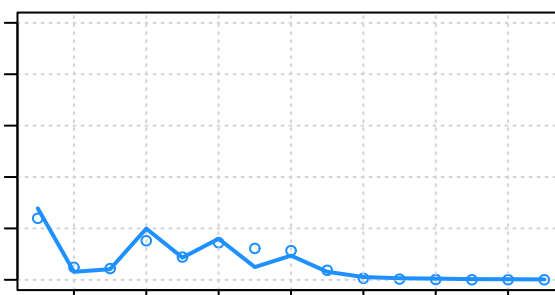
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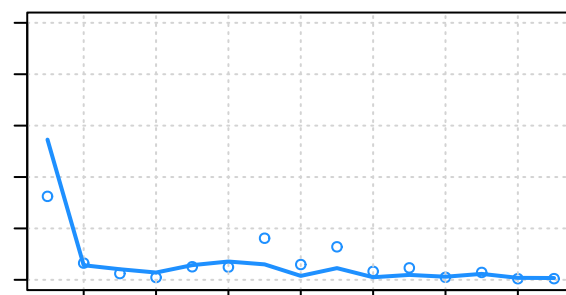
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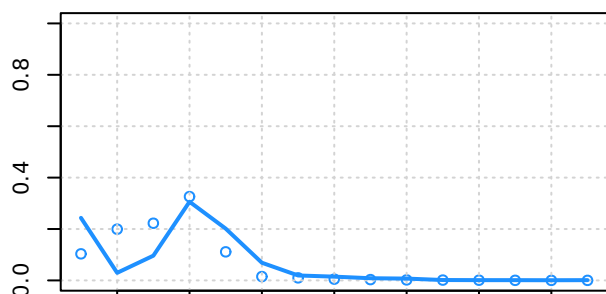
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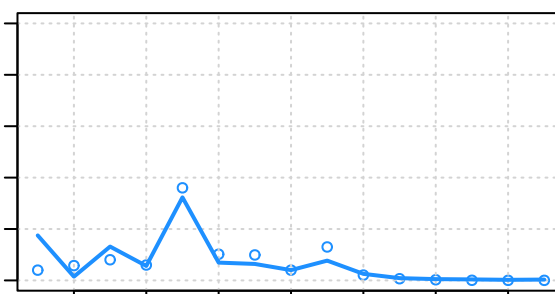
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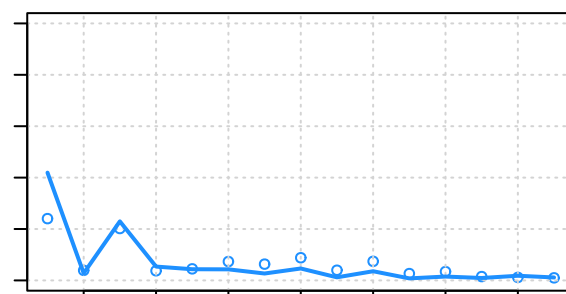
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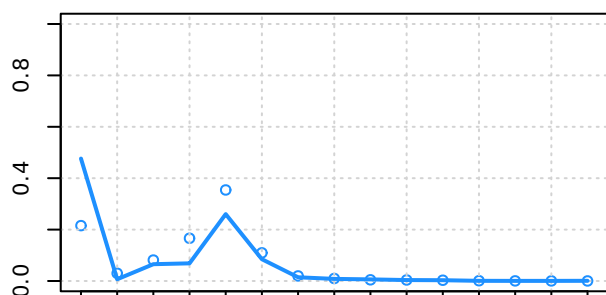
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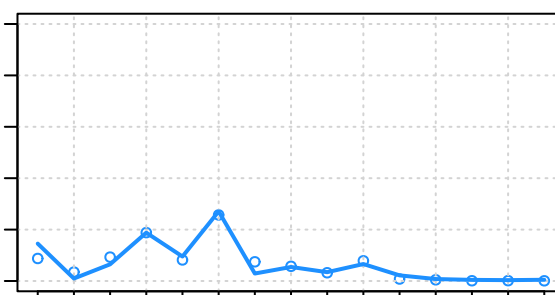
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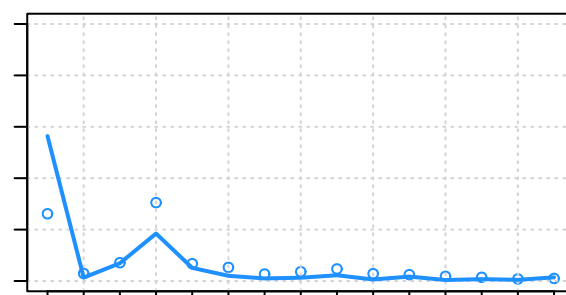
Year = 1983



Year = 1988

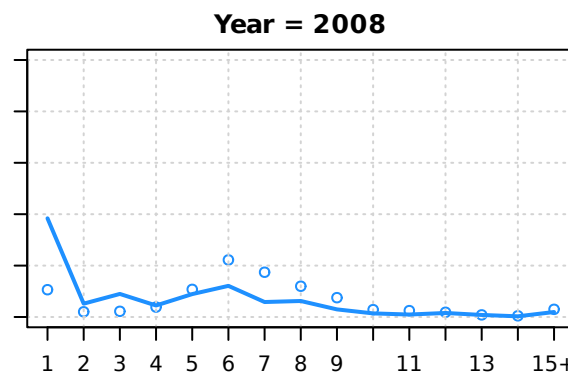
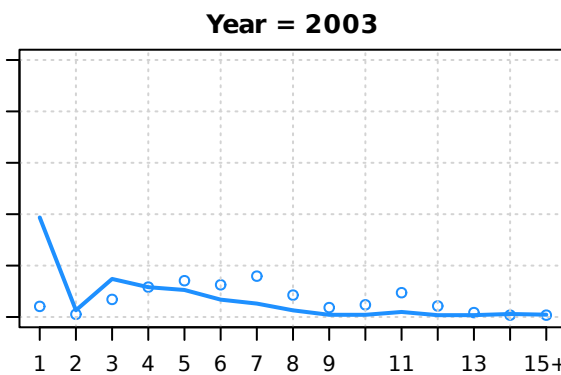
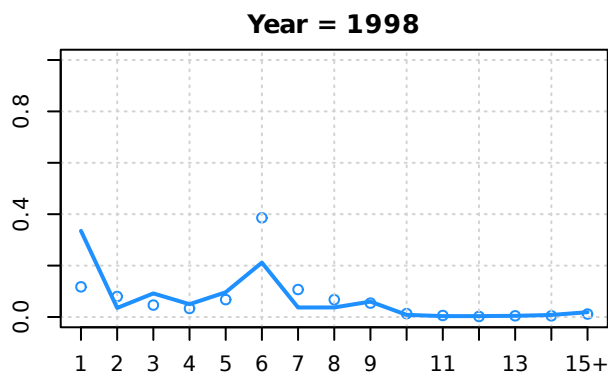
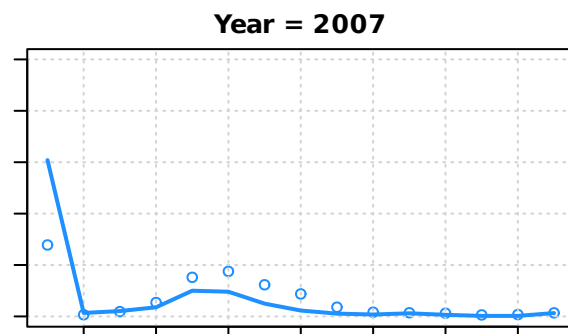
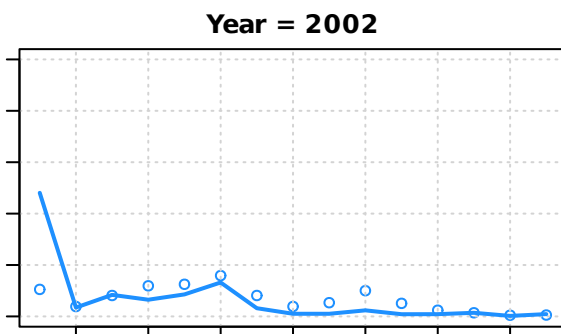
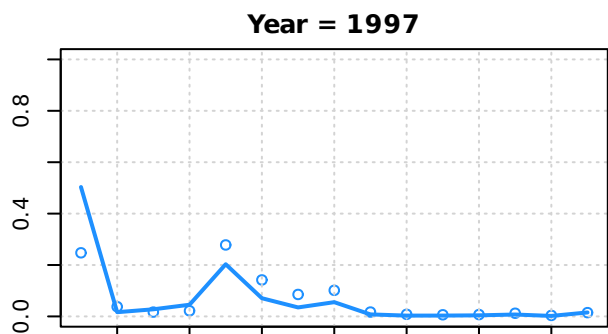
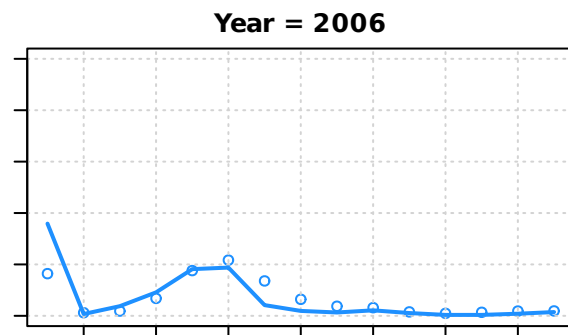
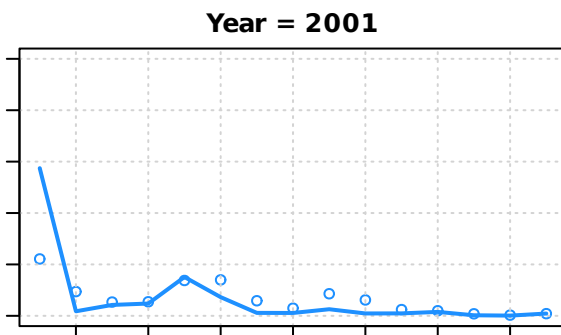
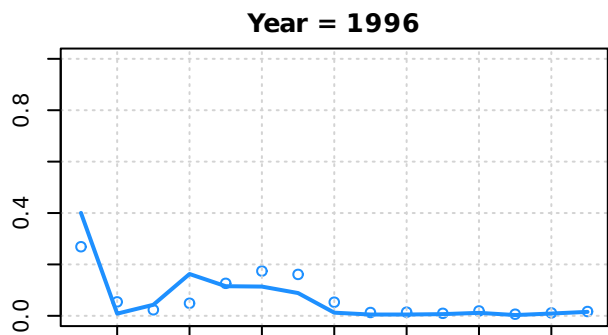
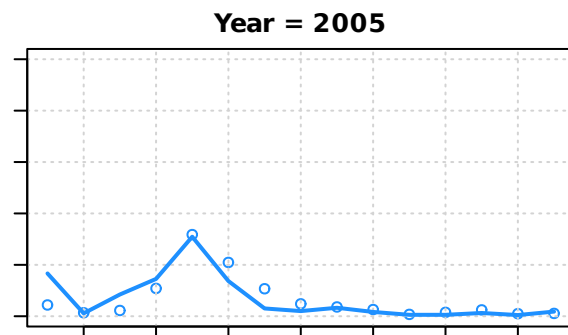
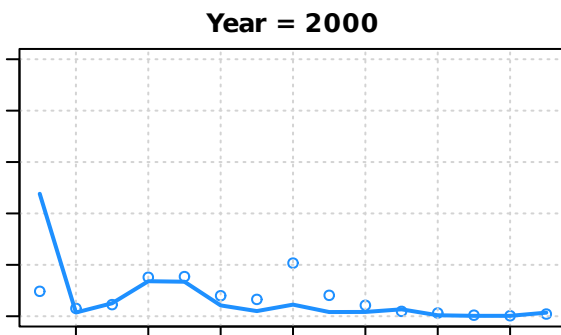
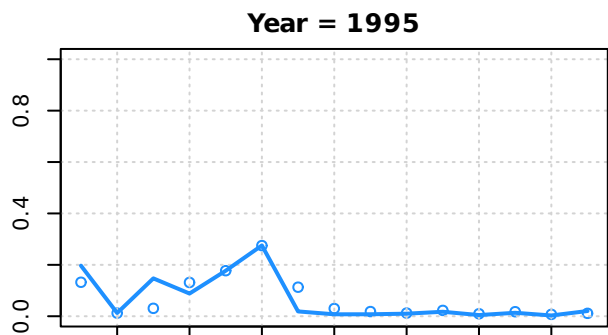
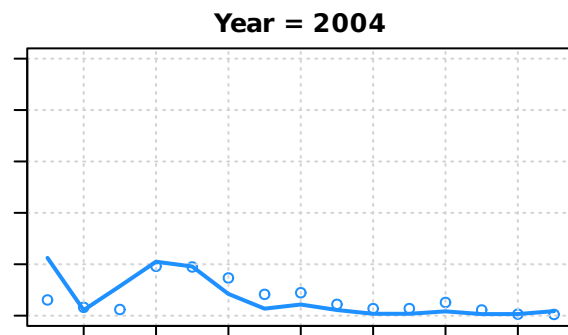
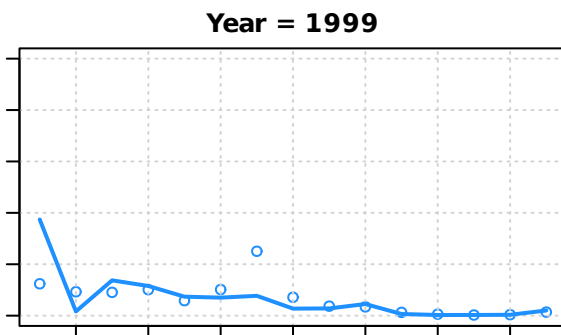
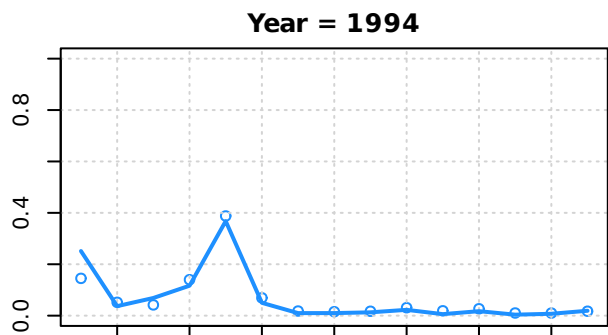


Year = 1993



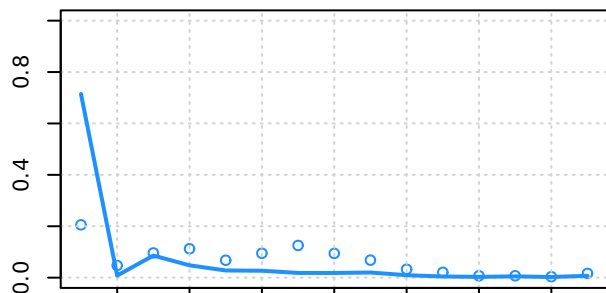
Age

Index 1
Year = 1999

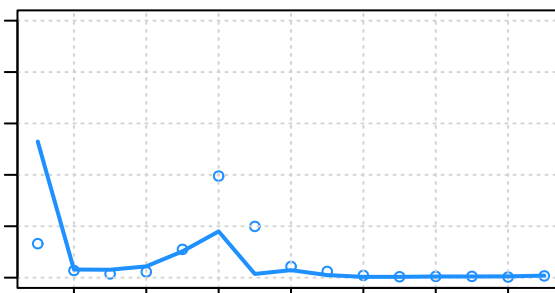


Index 1

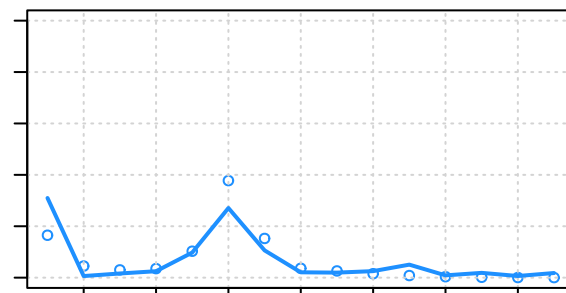
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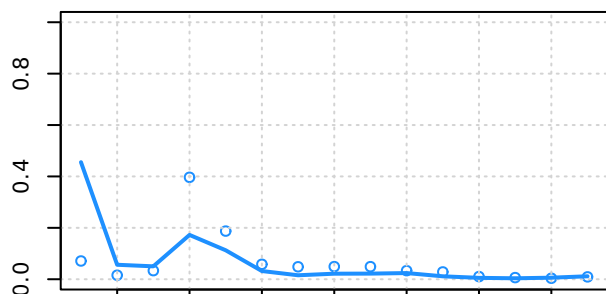
Year = 2014



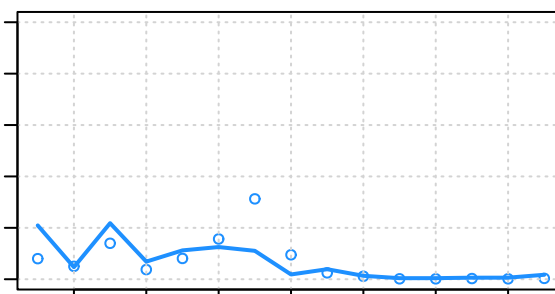
Year = 2019



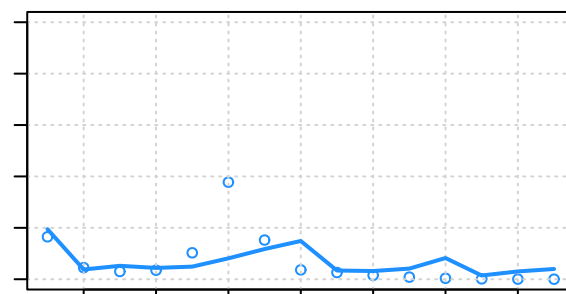
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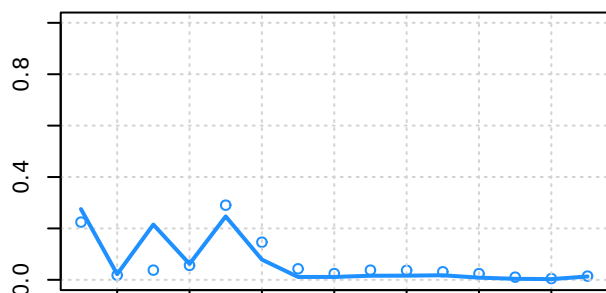
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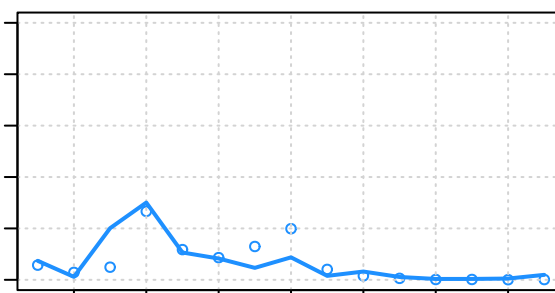
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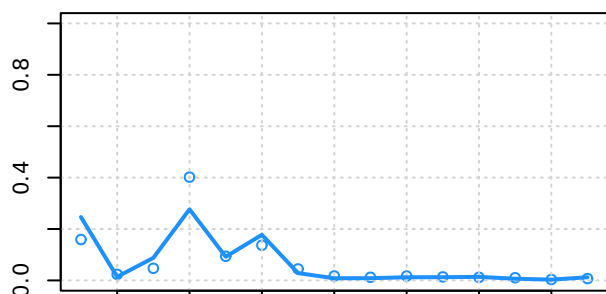
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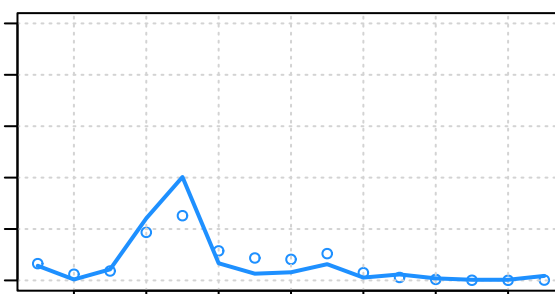
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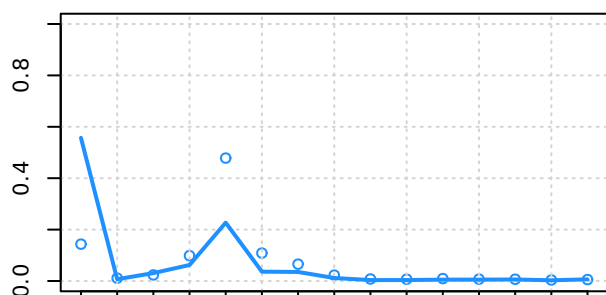
Year = 2012



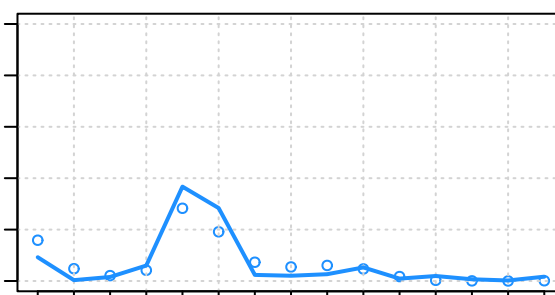
Year = 2017



Year = 2013



Year = 2018



Proportion

Age

Age Comp Residuals (Observed-Predicted) for Index 1

