

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

Environmental effects: none

Number of Selectivity blocks: 2

Selectivity Block Types: Age-specific, Age-specific

Fleet 1 Selectivity Blocks: 1

Index 1 Selectivity Blocks: 2

WHAM run on 2021-01-07 11:32:59 PST in directory /Users/jim/_mymods/ebswp/runs/wham

sdreport() performed with all variance estimates provided.

Maximum absolute gradient: F_devs 1.709e-12

Number of fixed effects = 100, Number of random effects = 56

M
log(x) ~ Gaussian

0

NAA
log(x) ~ Gaussian

-56

Fleet 1 Catch
log(x) ~ Gaussian

Fleet 1 Age Comp
x ~ Multinomial

-1902

Index 1 Catch
log(x) ~ Gaussian

-81

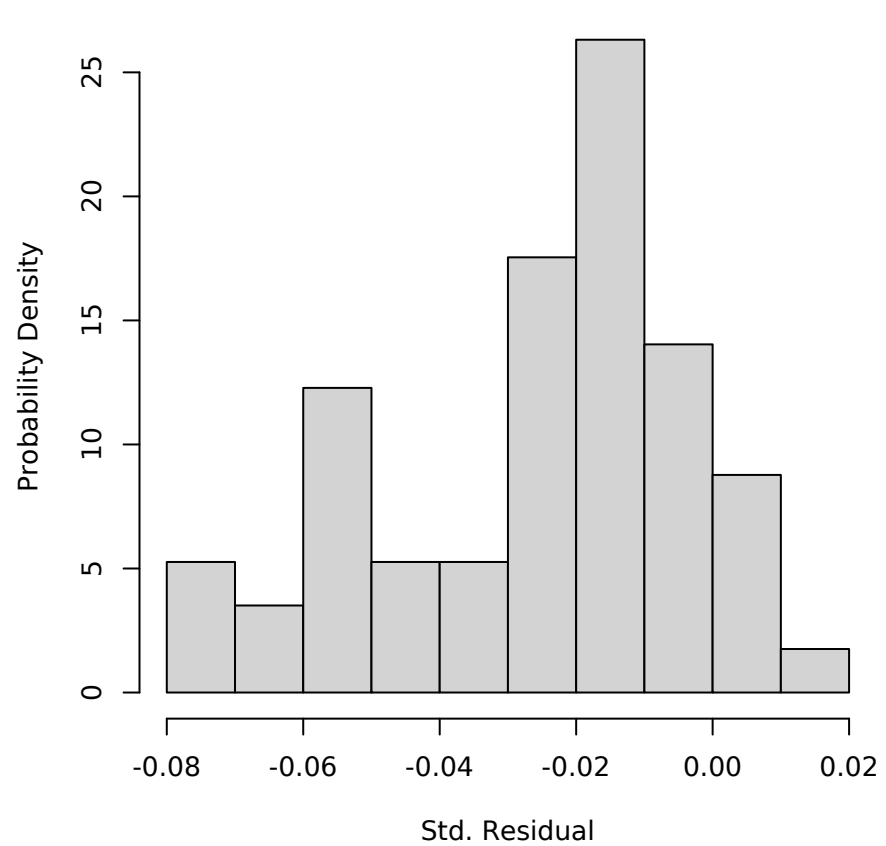
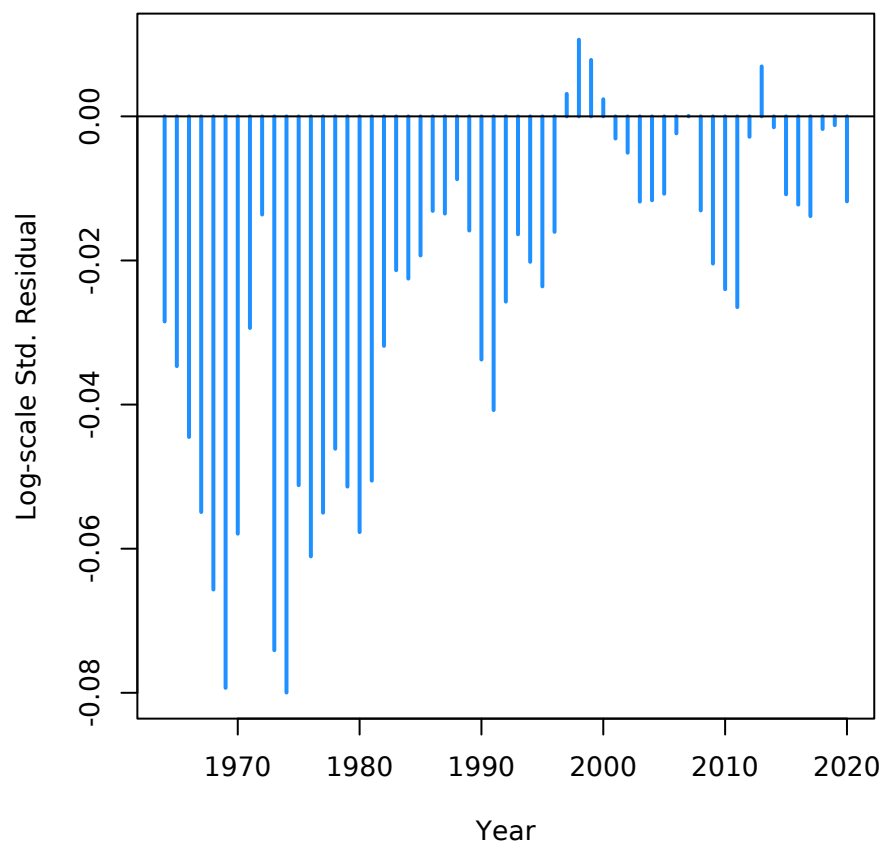
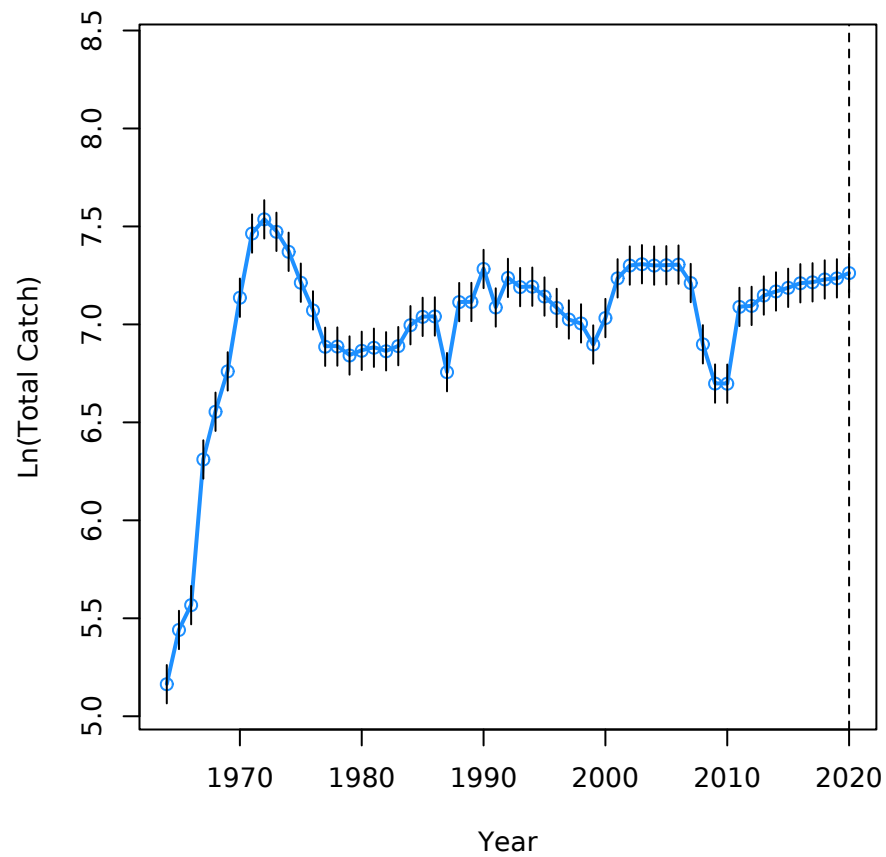
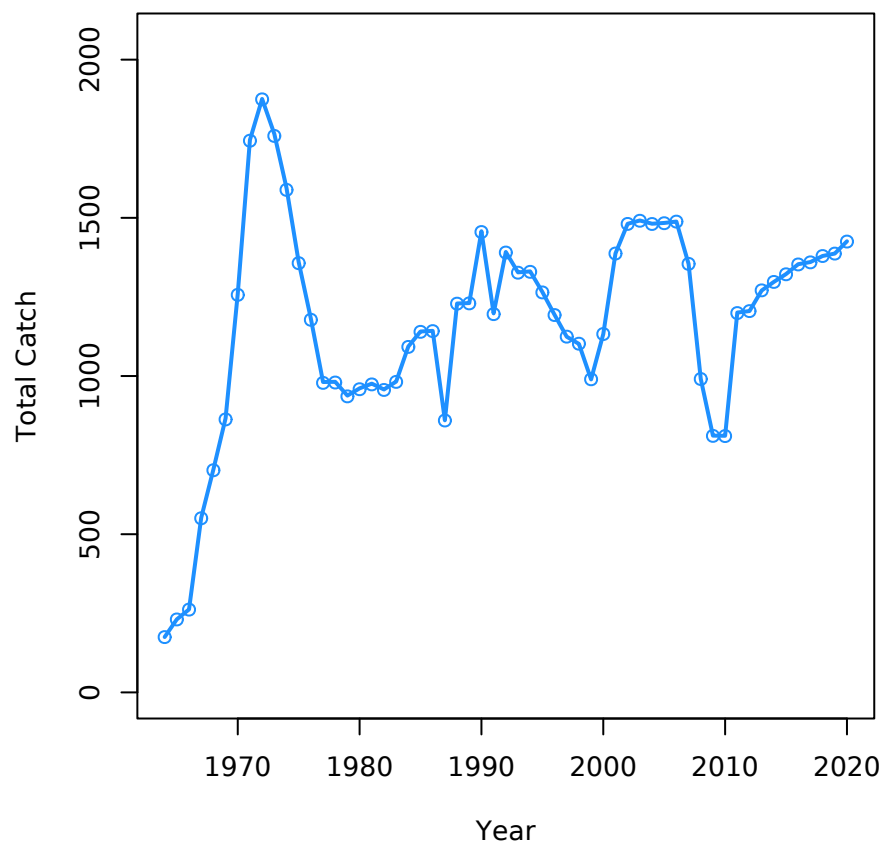
Index 1 Age Comp
x ~ Multinomial

-1712

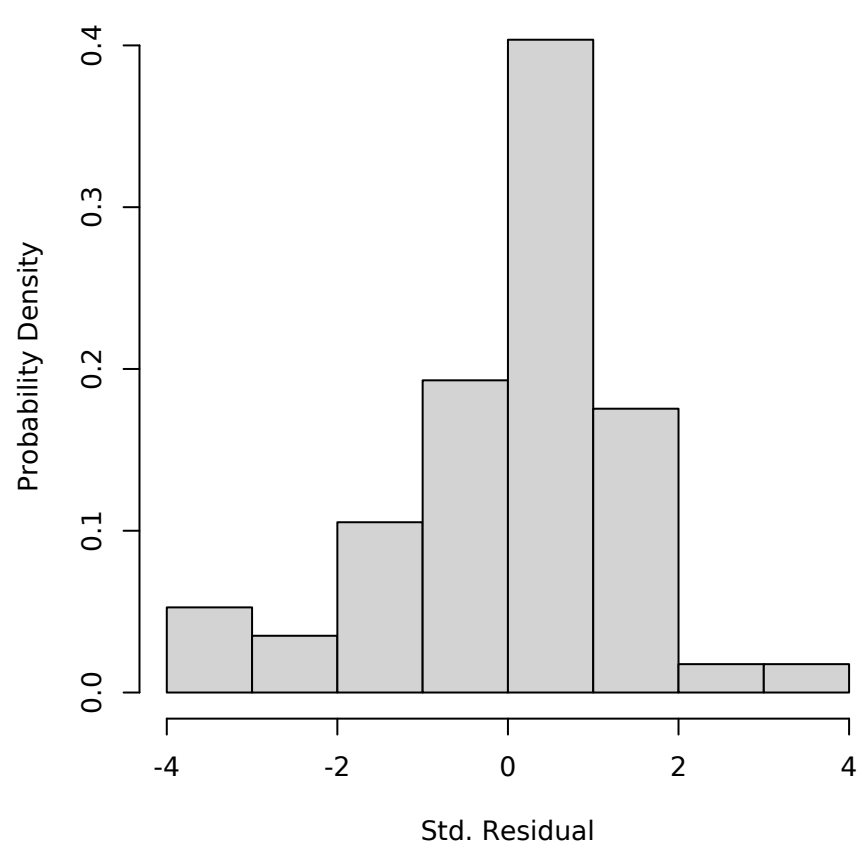
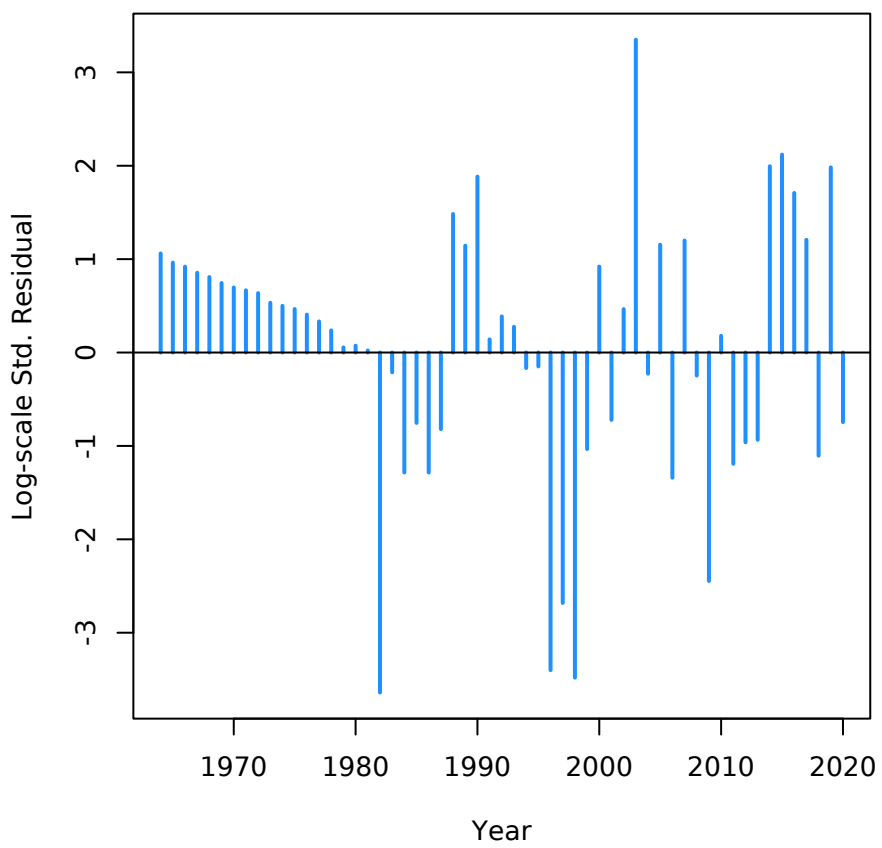
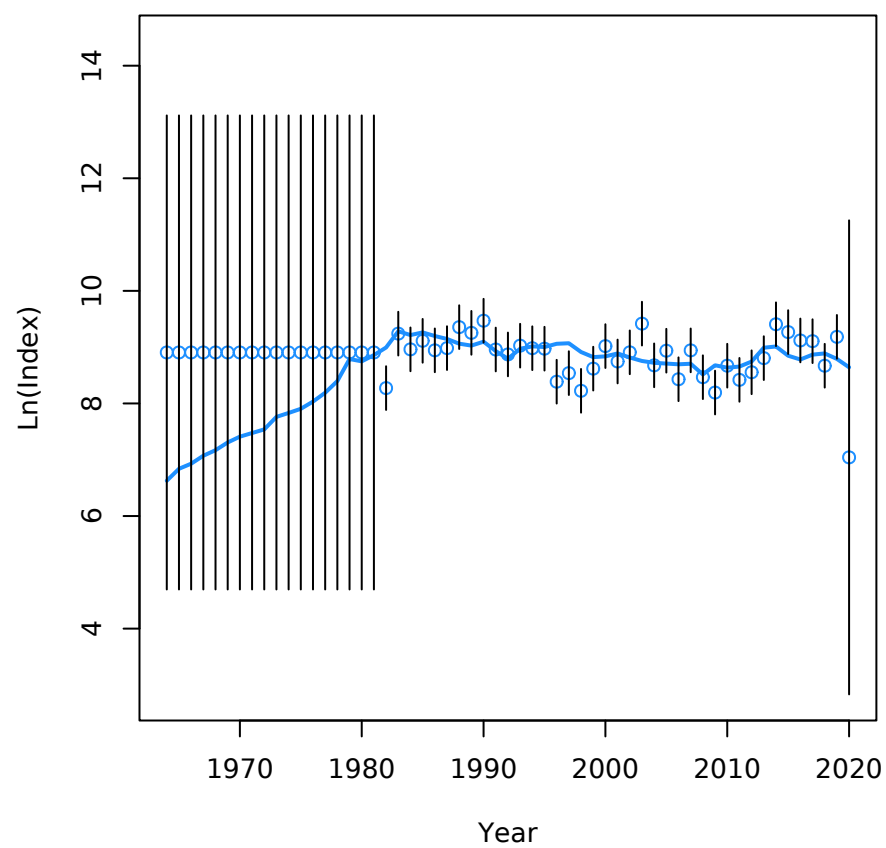
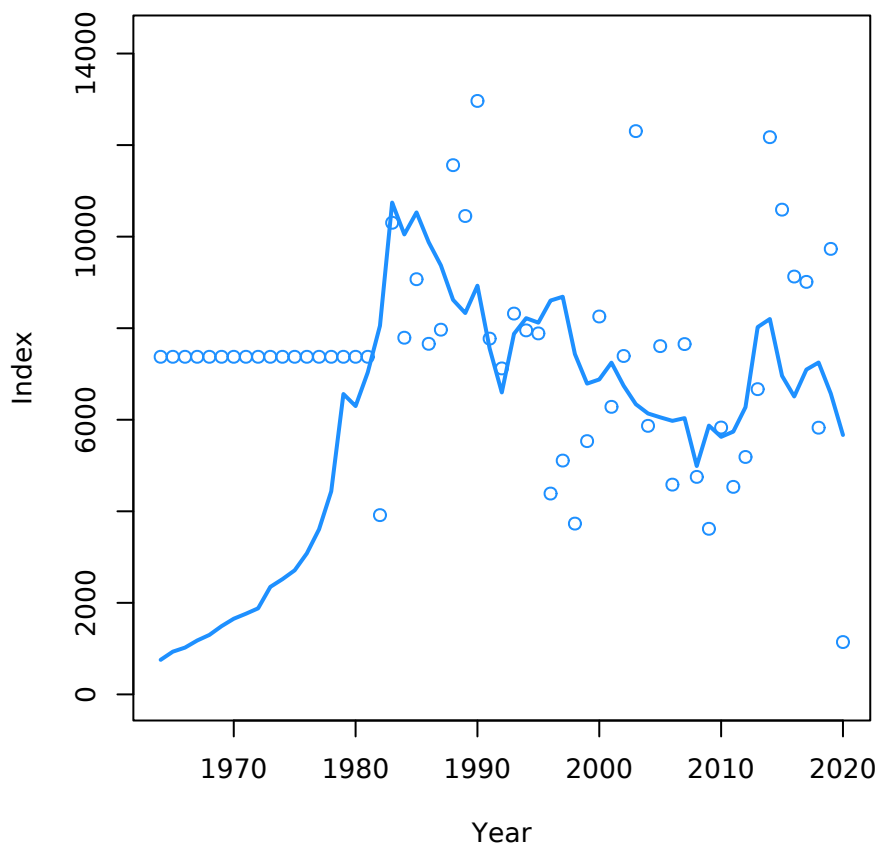
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Conditional log-likelihood components
Model: EBS pollock example 2021-01-07 11:32:59

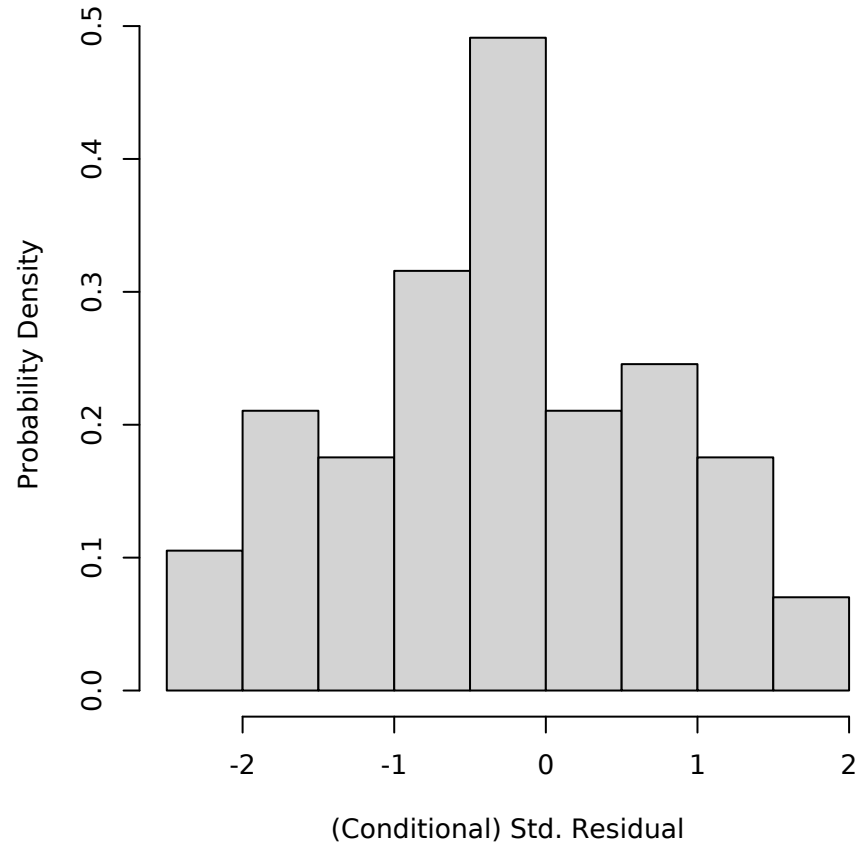
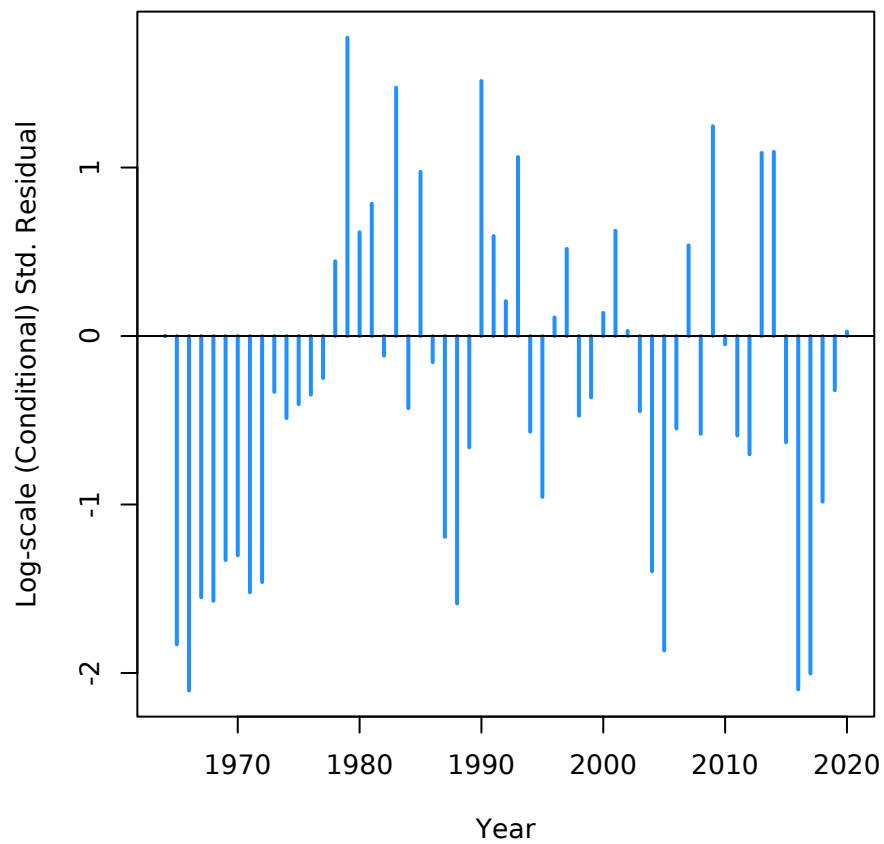
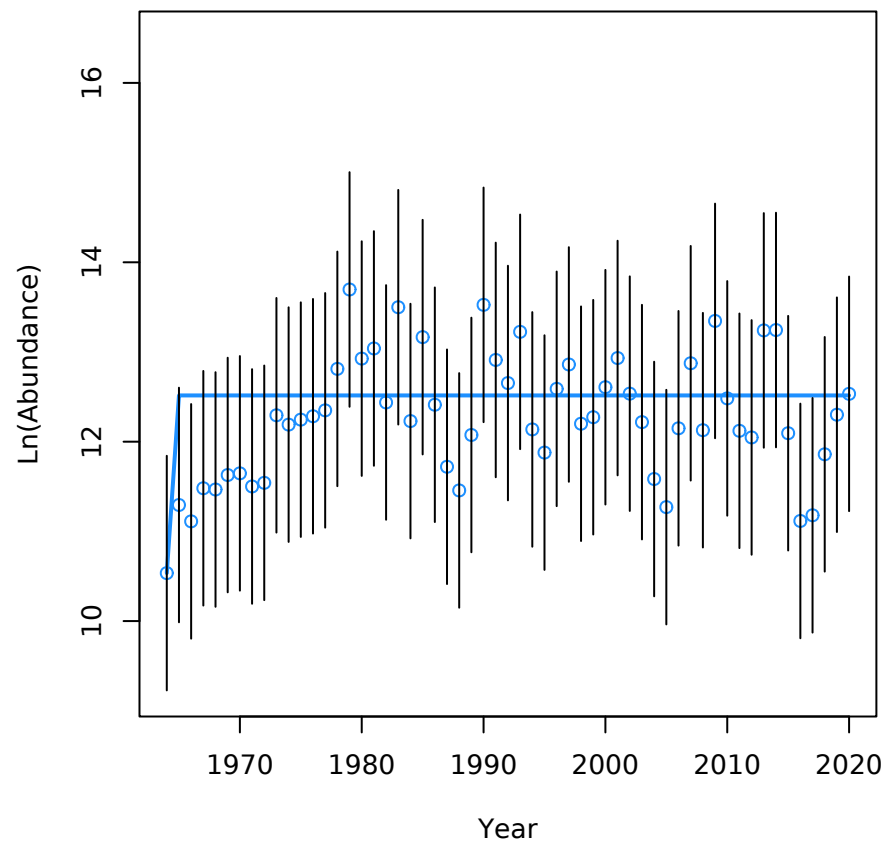
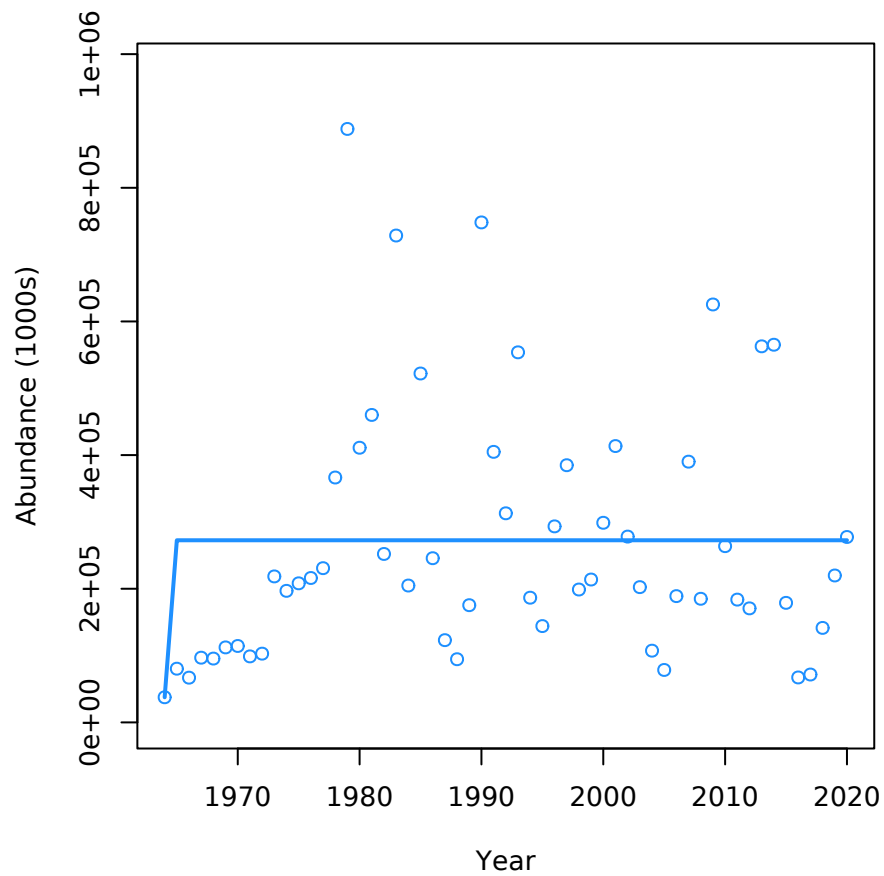
Fleet 1 Catch



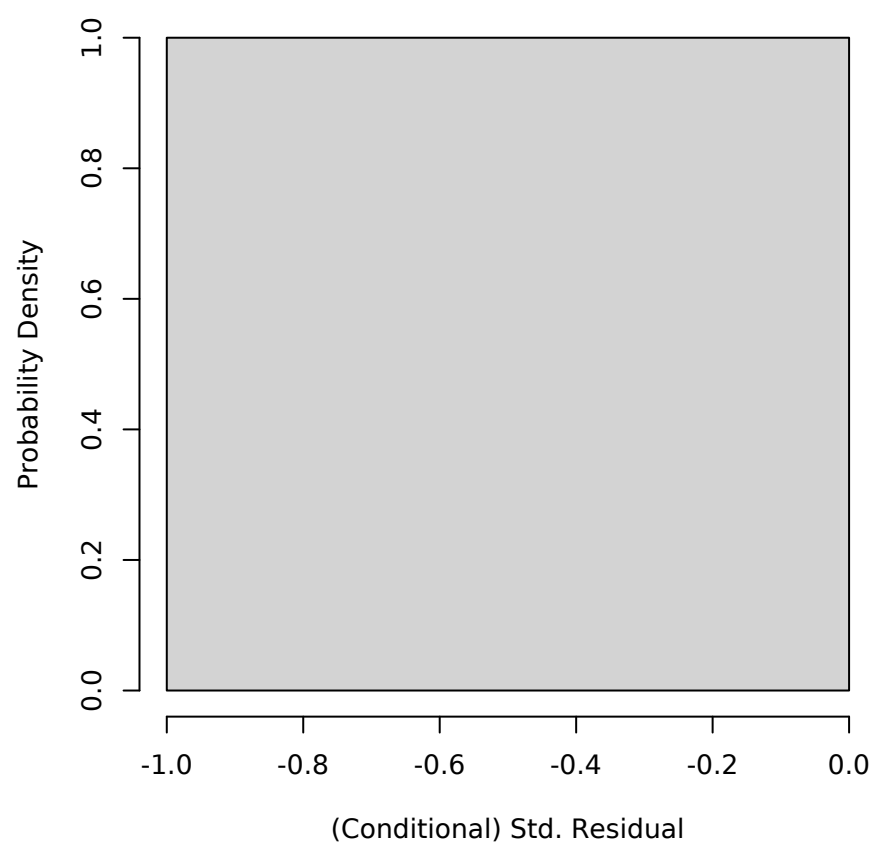
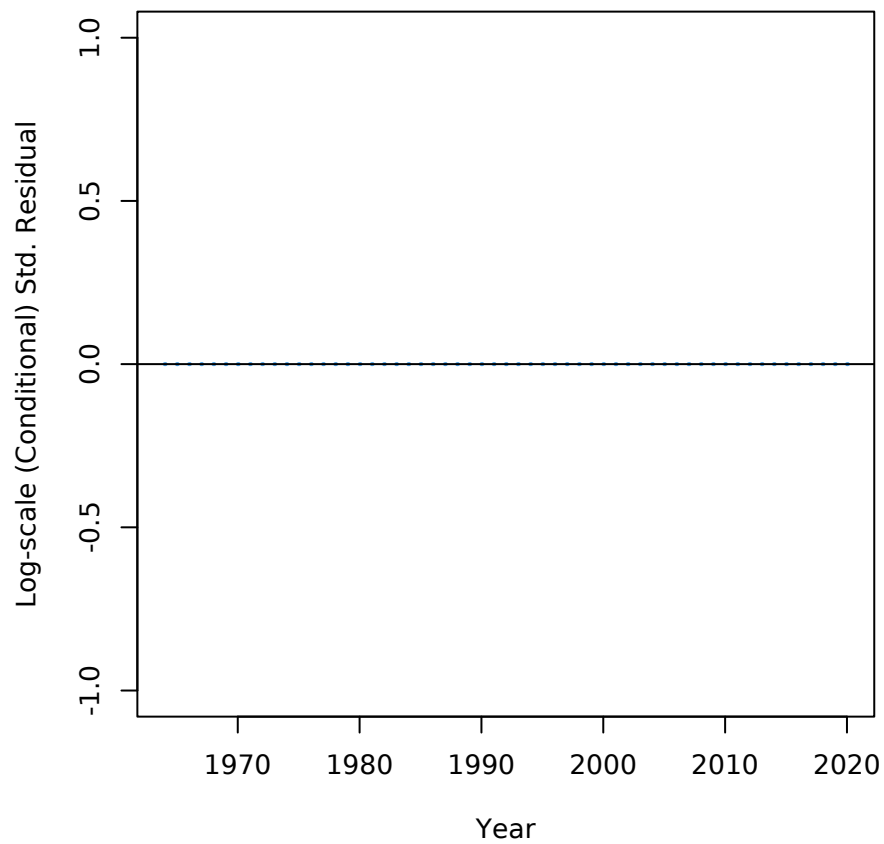
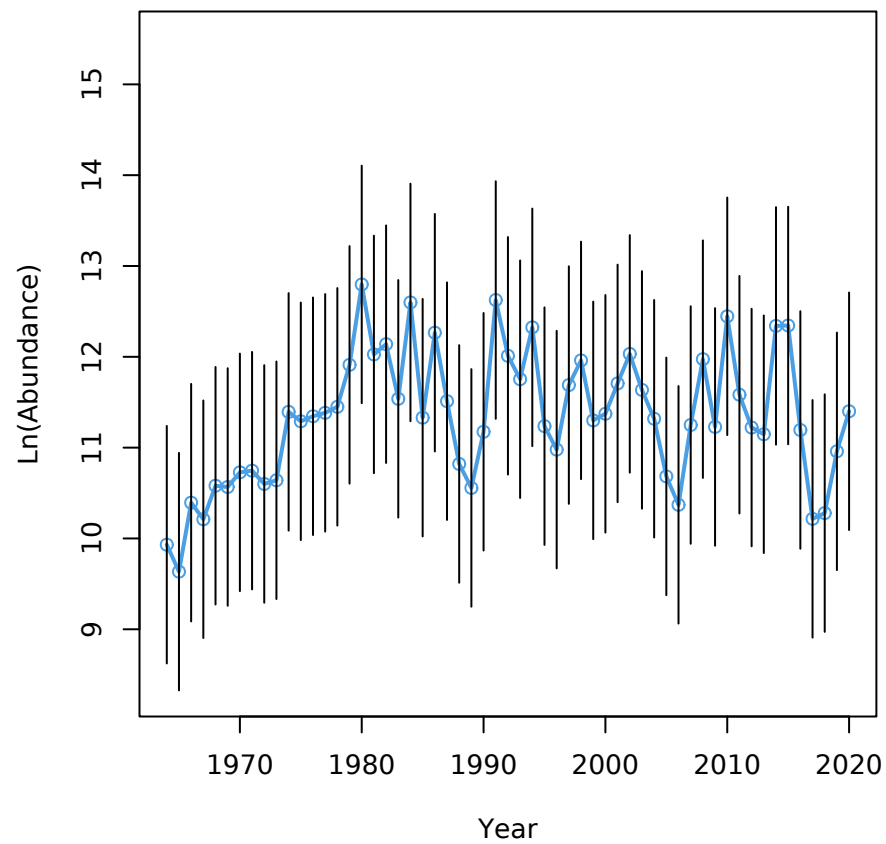
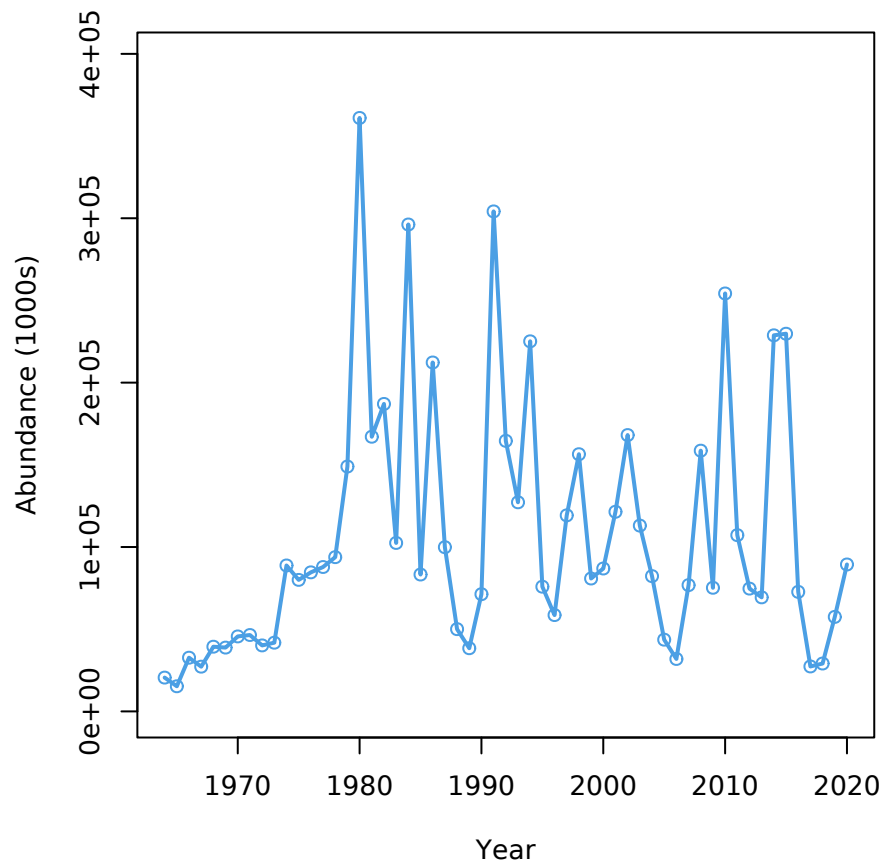
Index 1



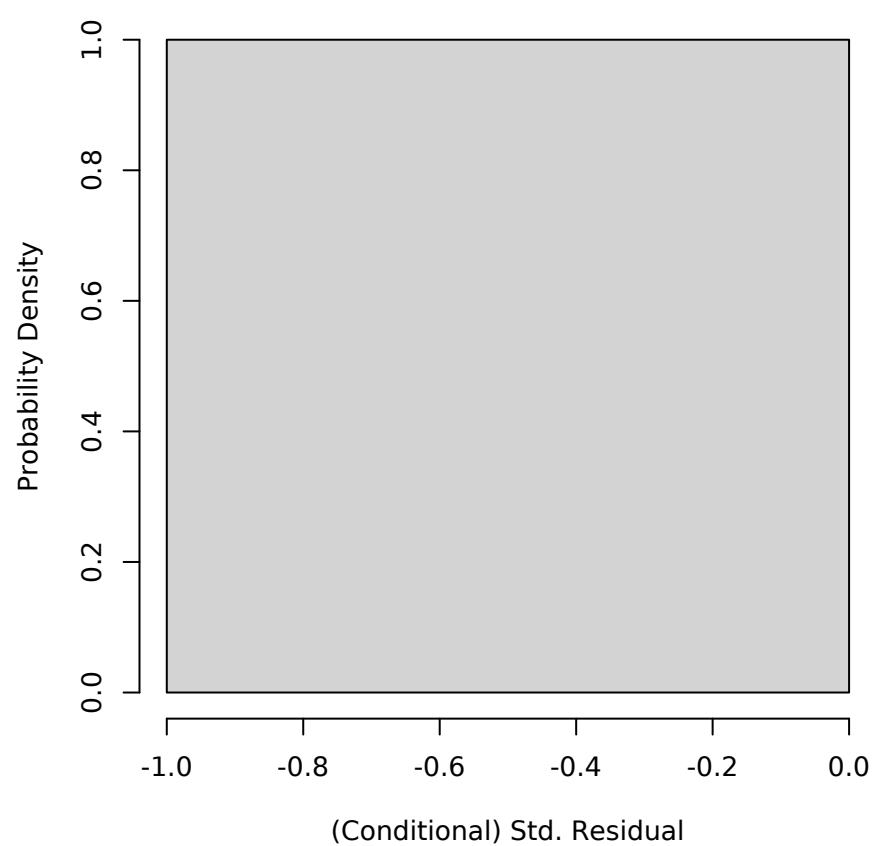
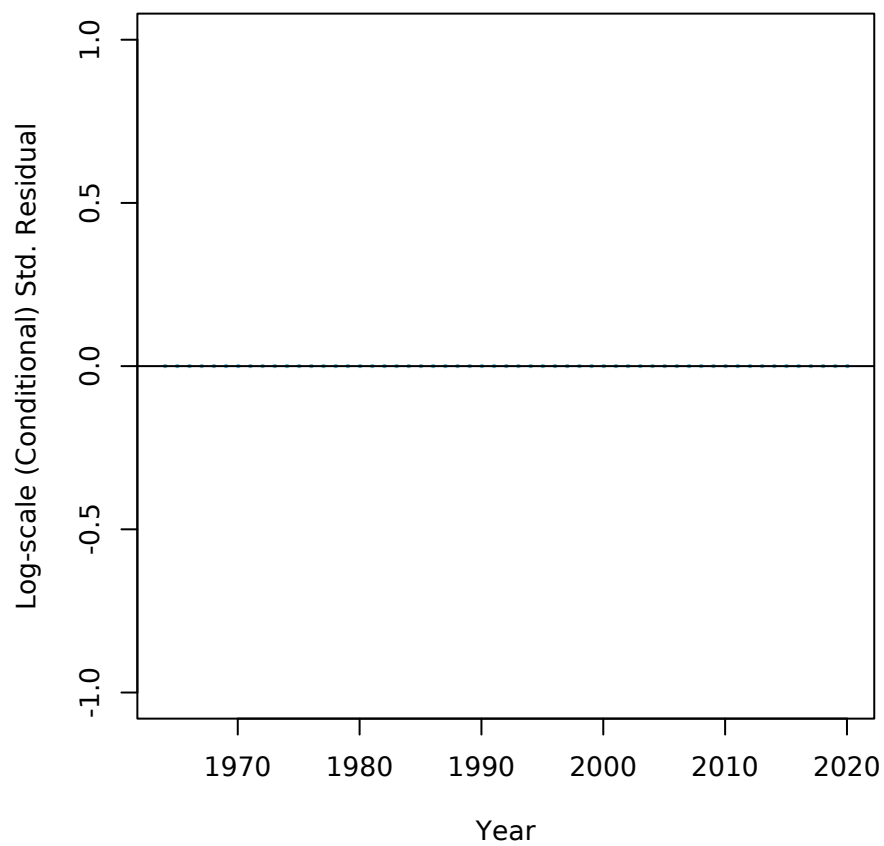
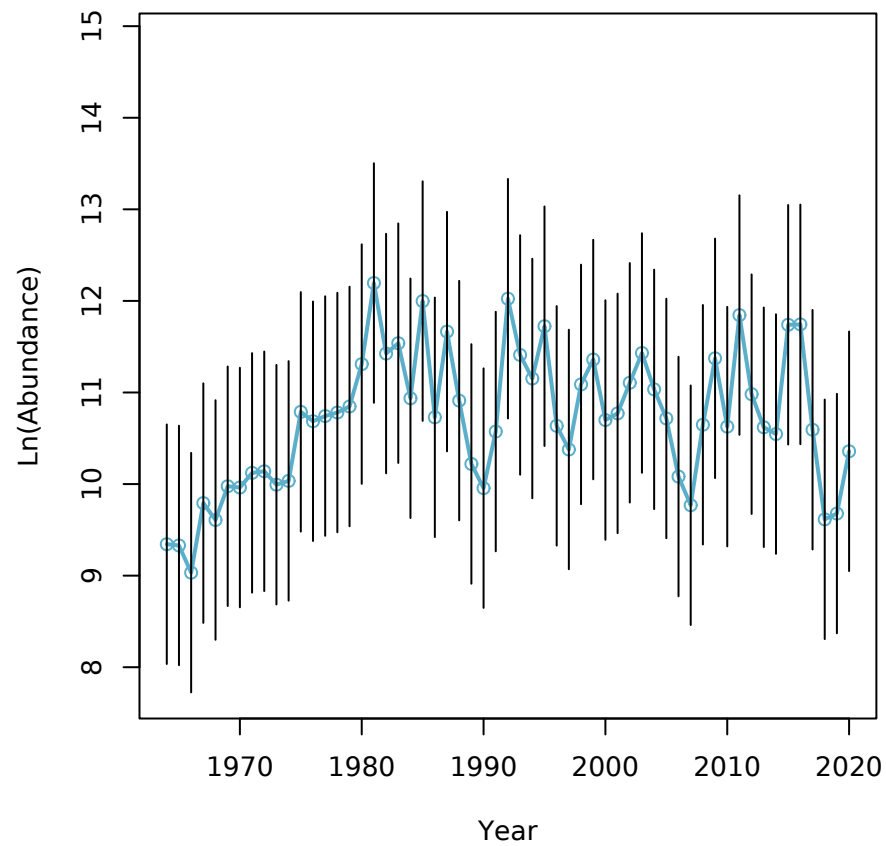
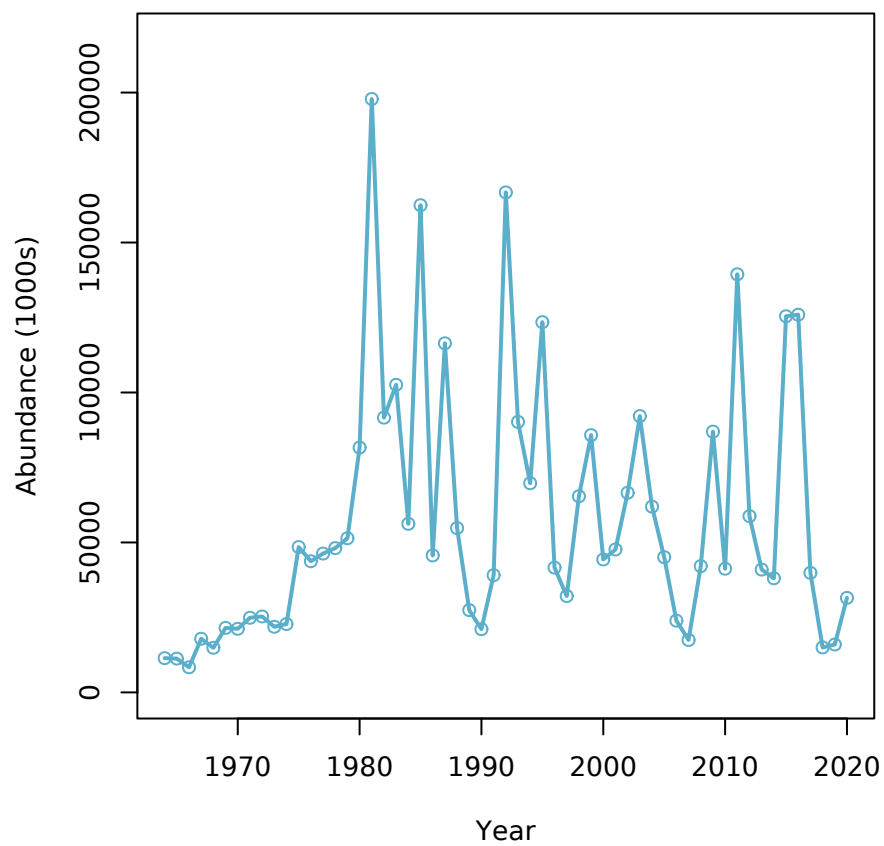
Conditional Expected and Posterior Estimates of Age 1 Abundance



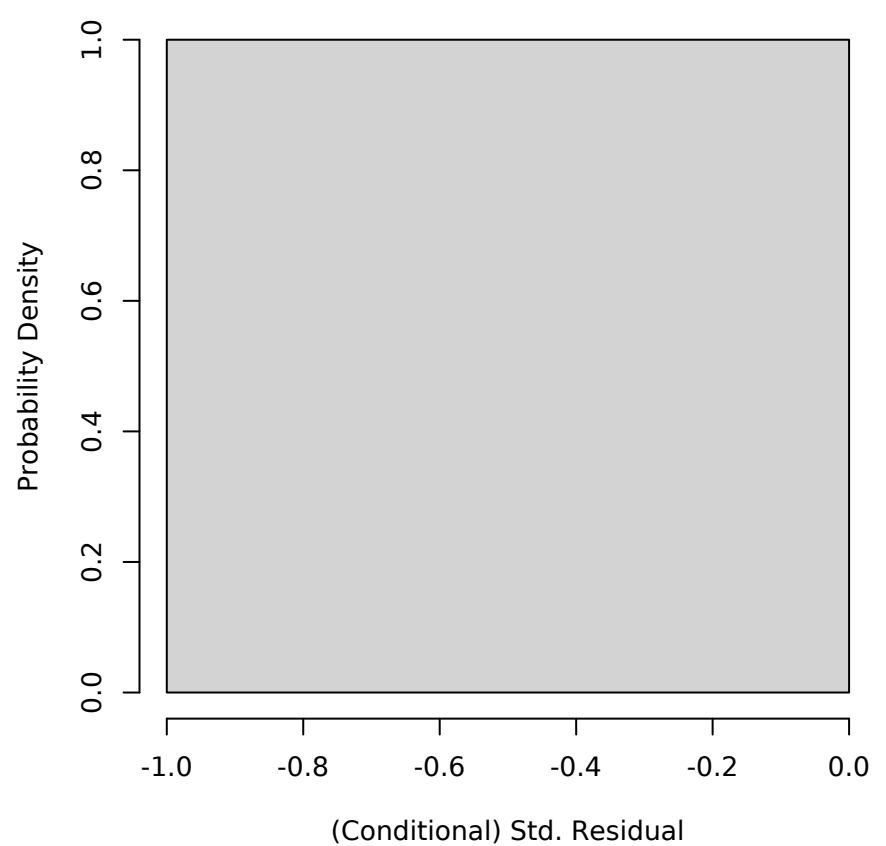
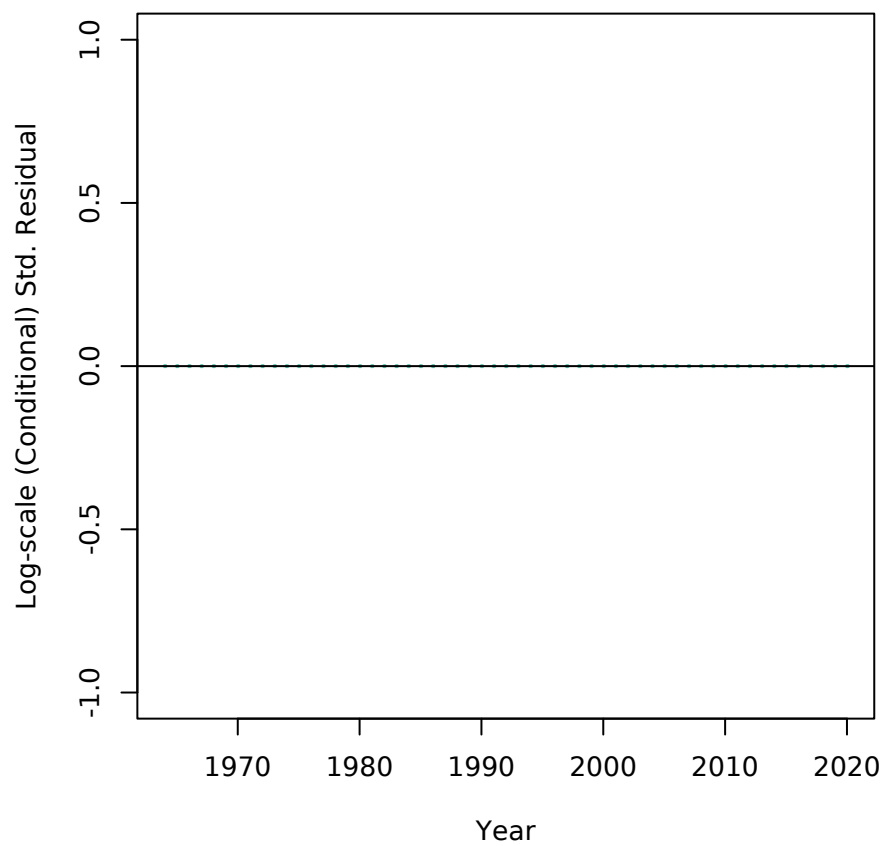
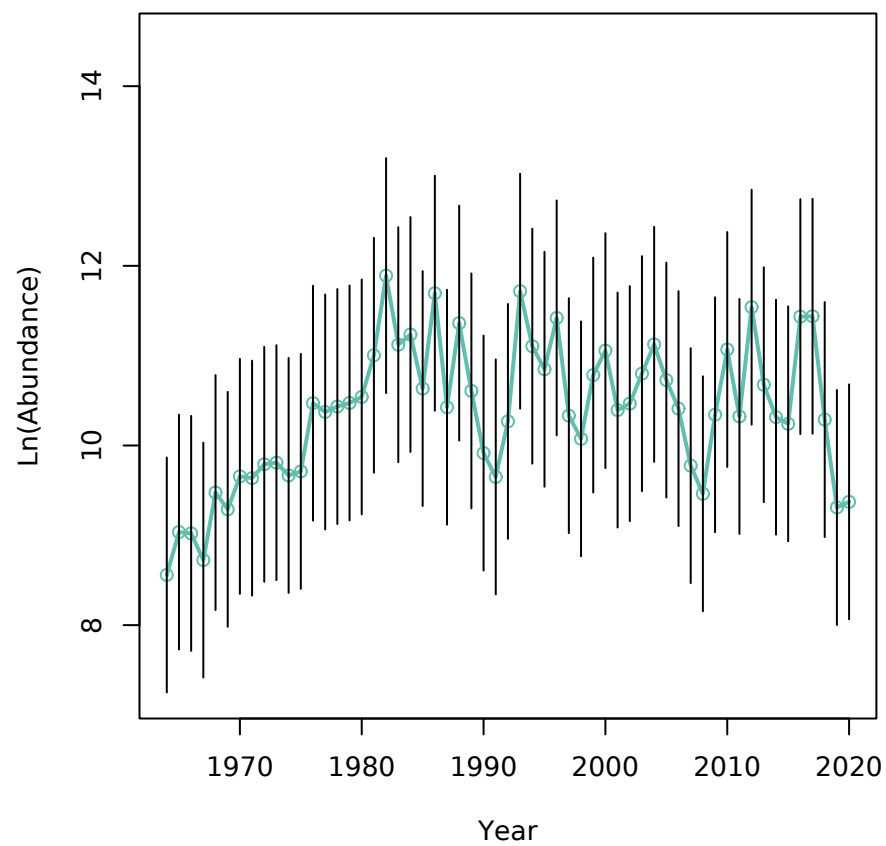
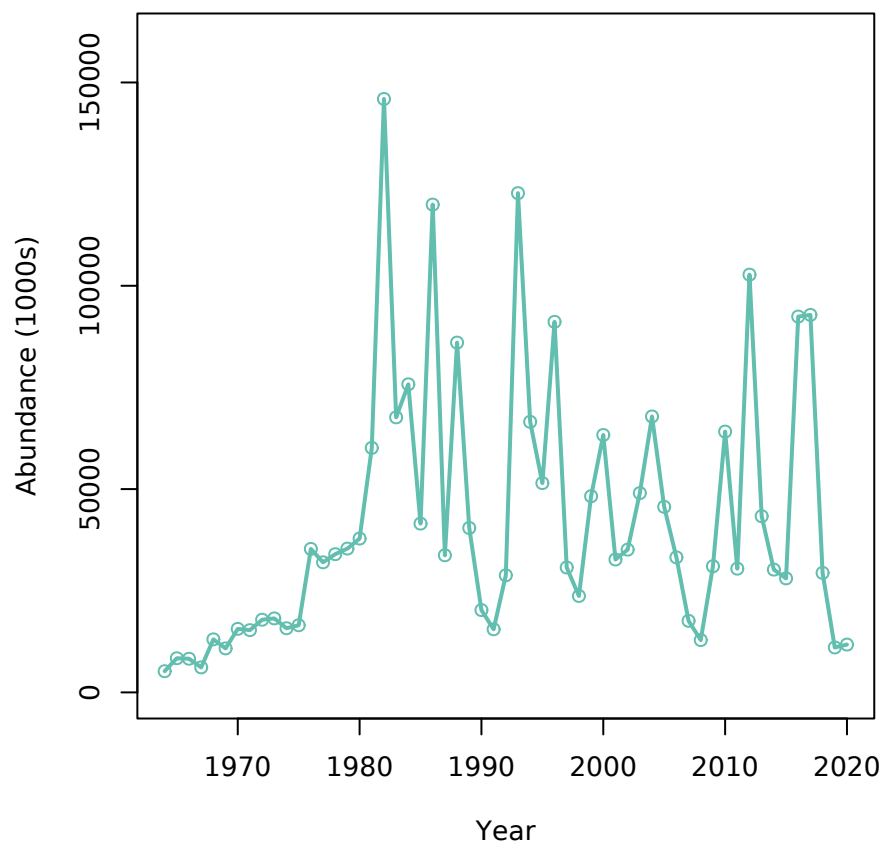
Conditional Expected and Posterior Estimates of Age 2 Abundance



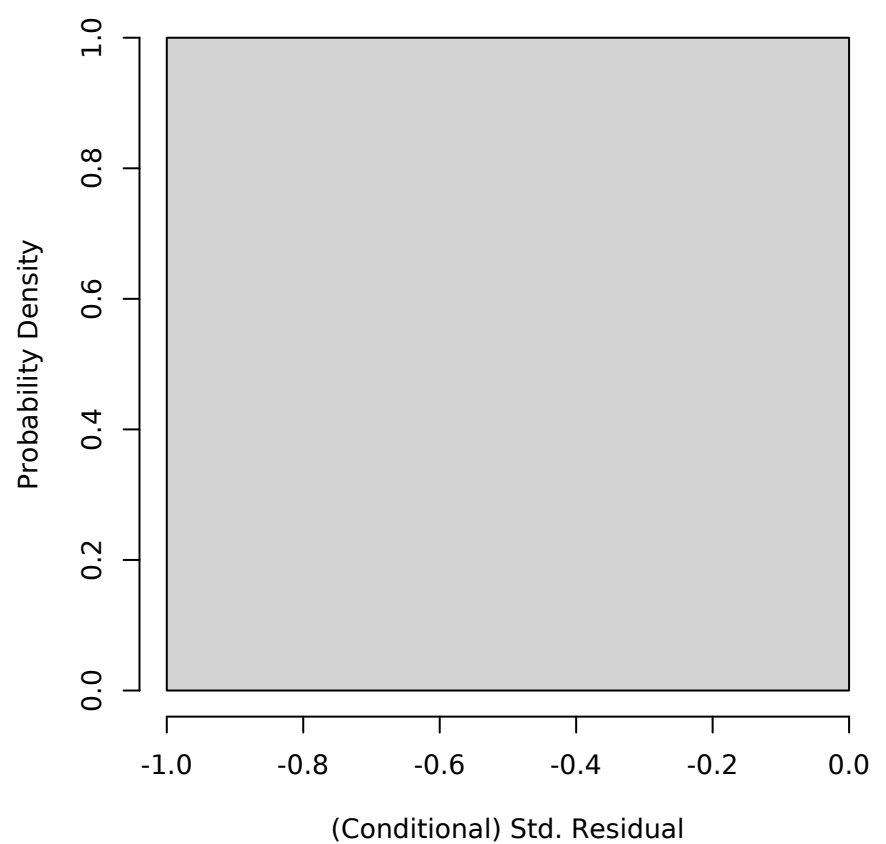
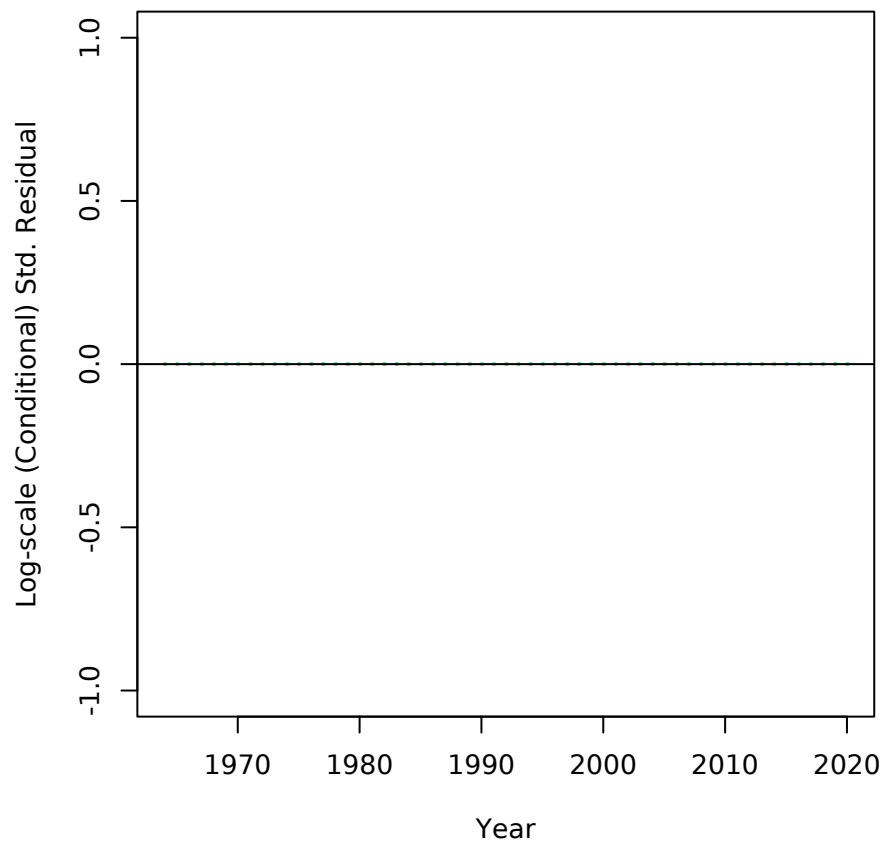
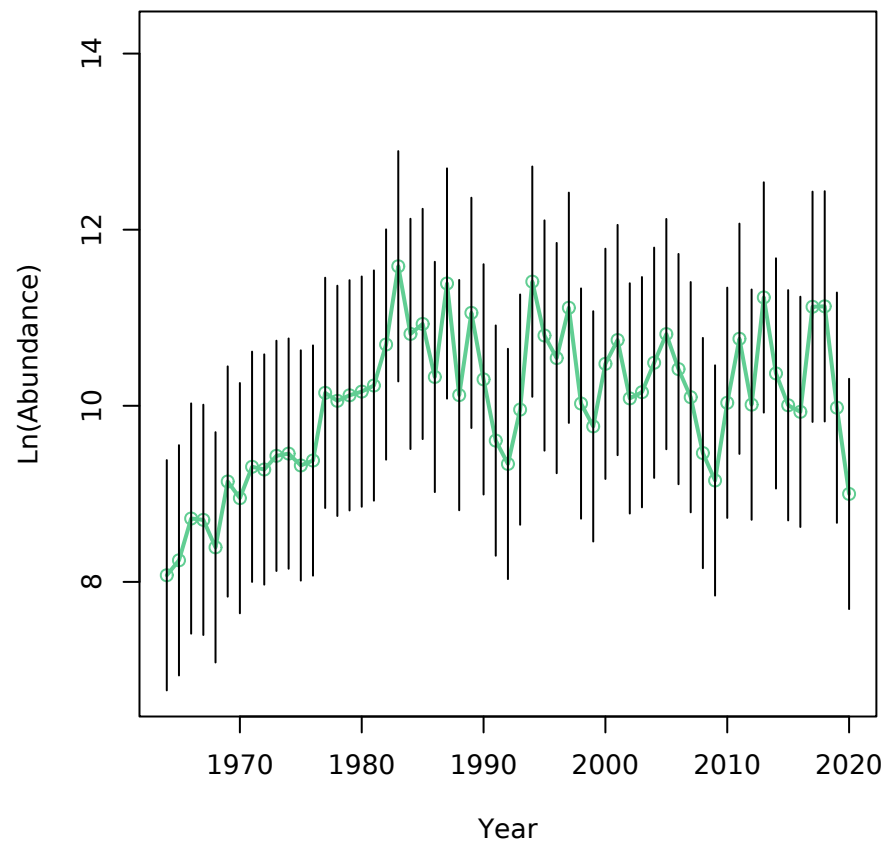
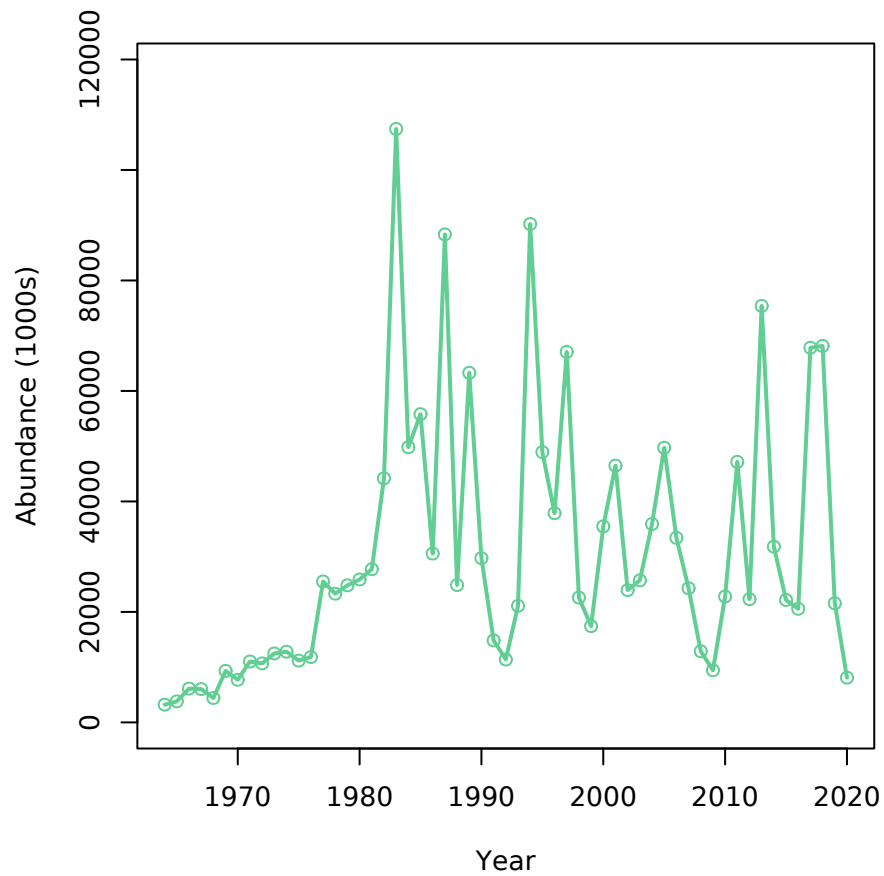
Conditional Expected and Posterior Estimates of Age 3 Abundance



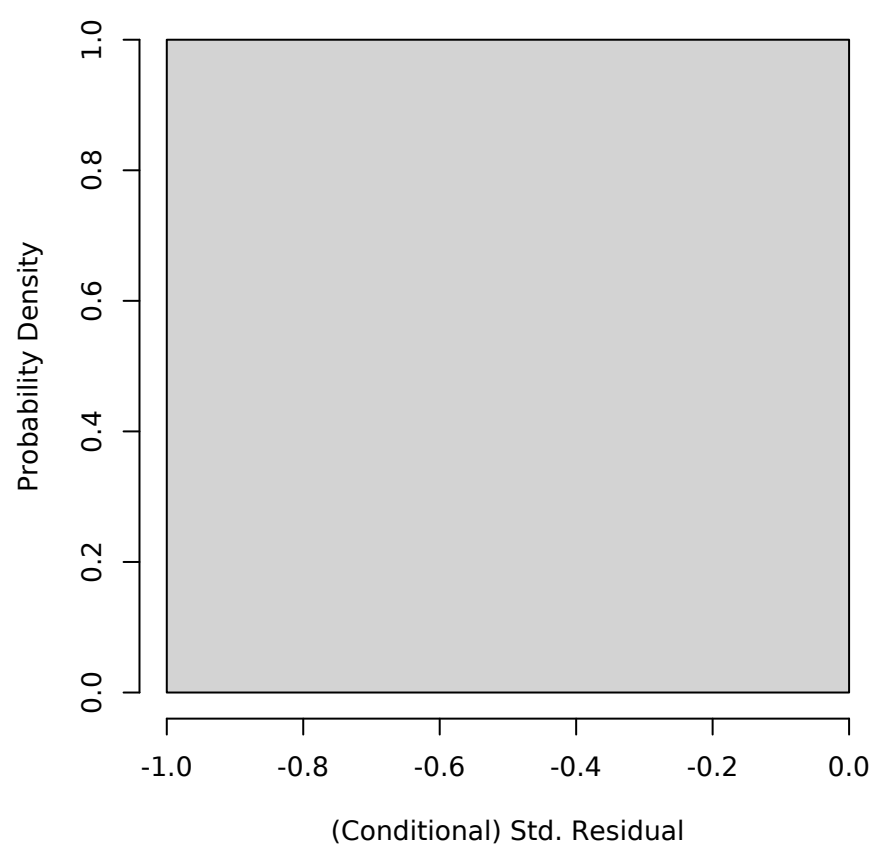
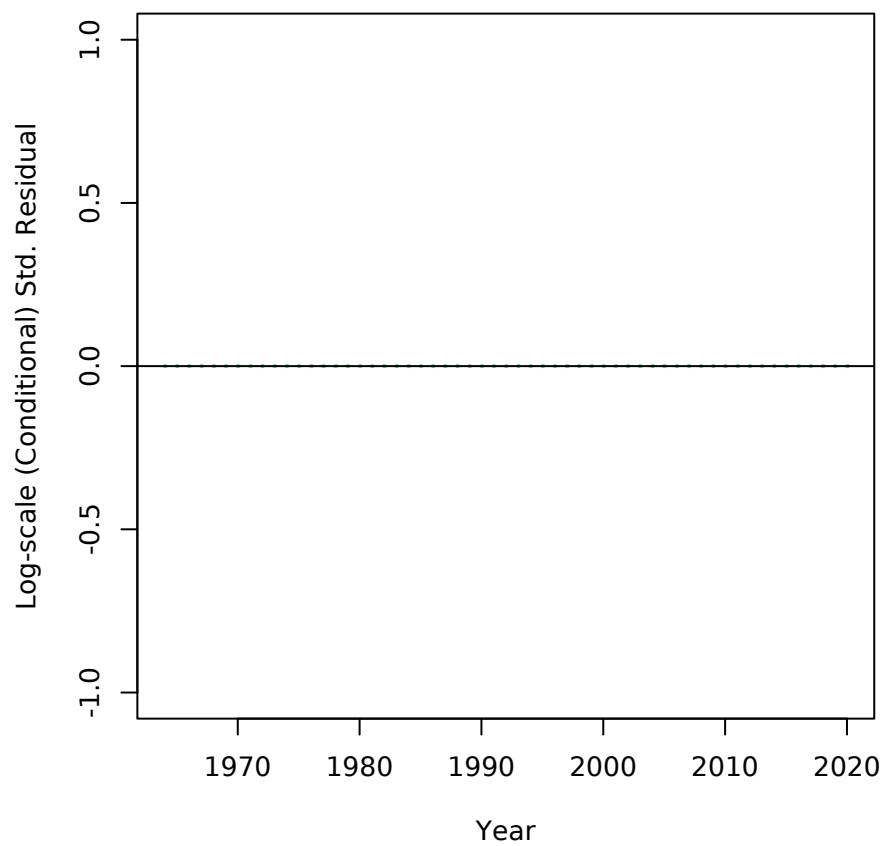
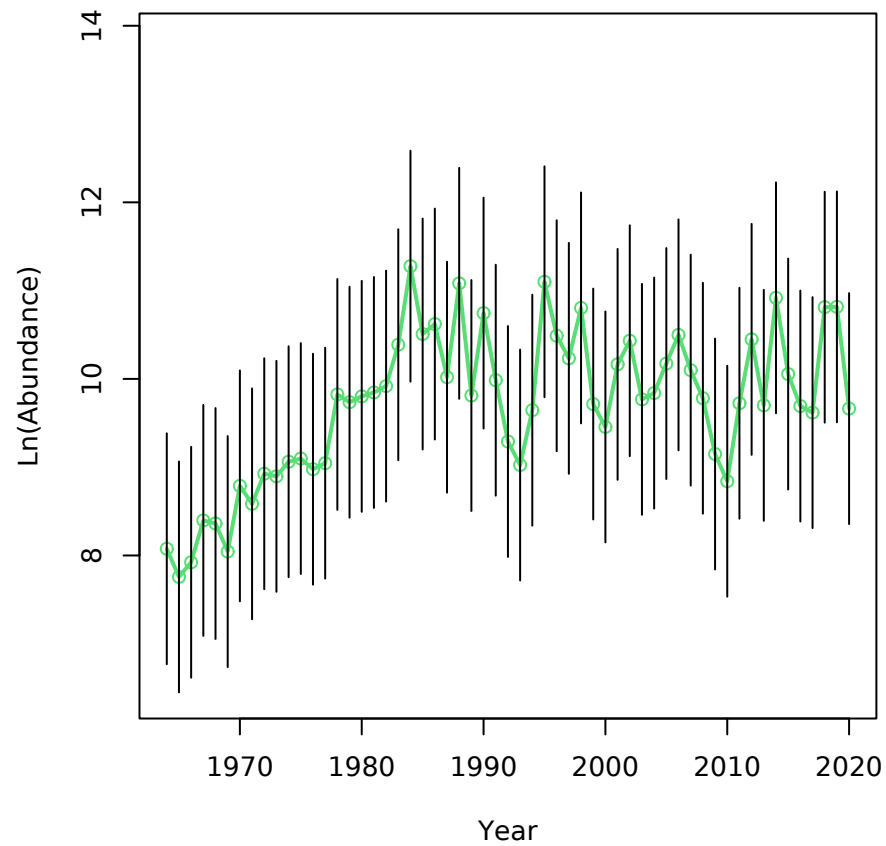
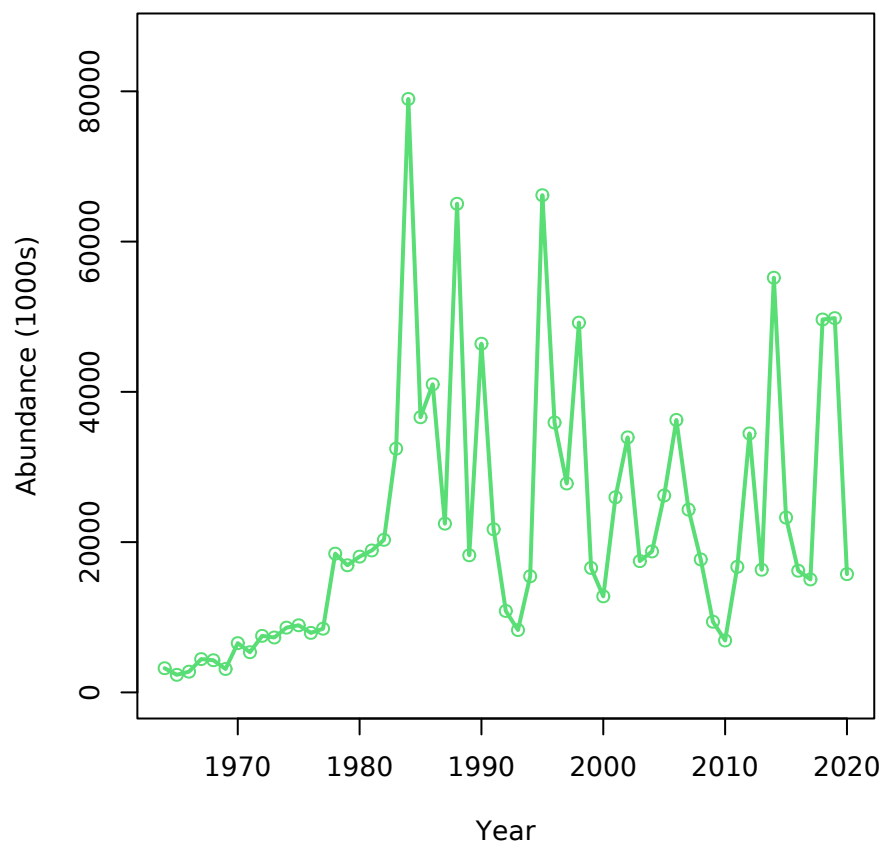
Conditional Expected and Posterior Estimates of Age 4 Abundance



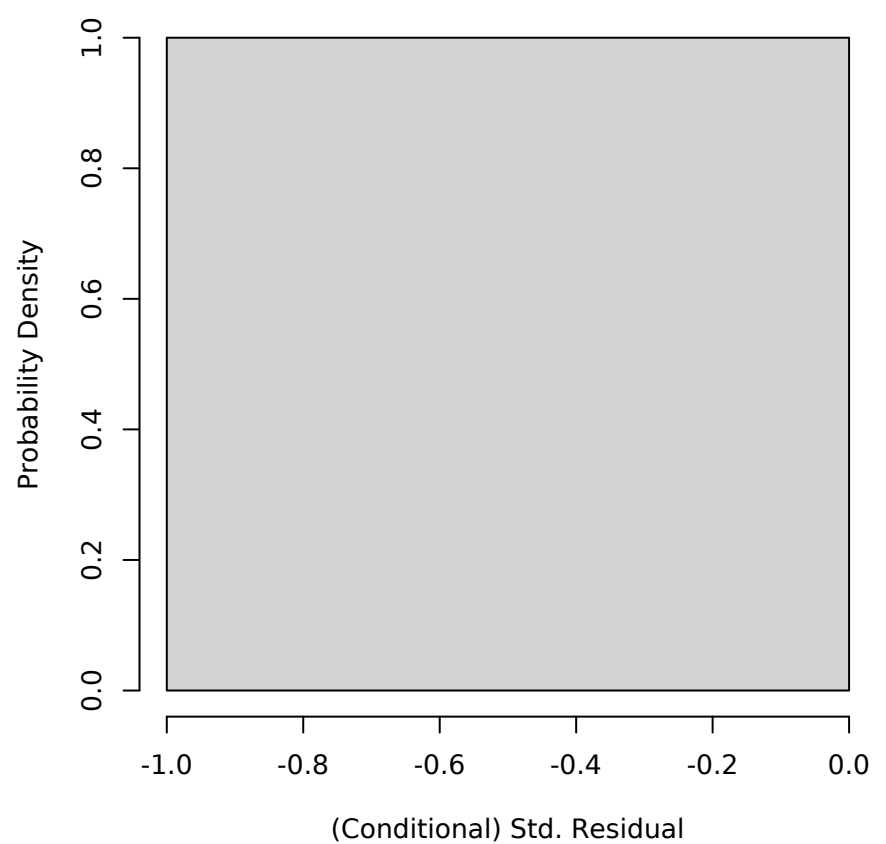
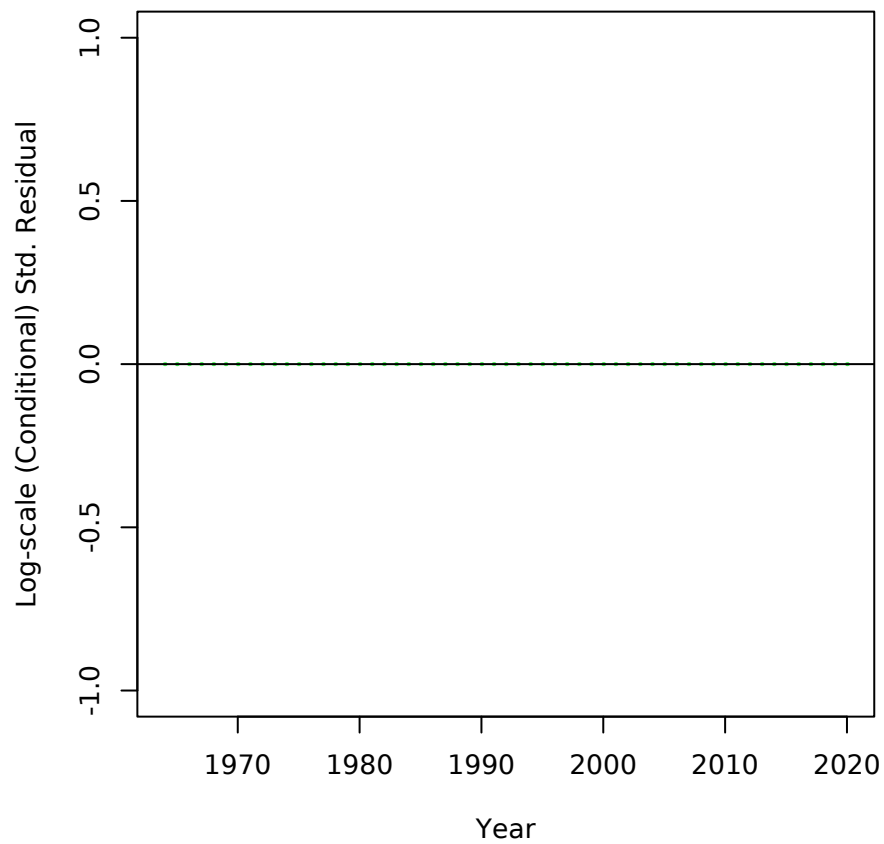
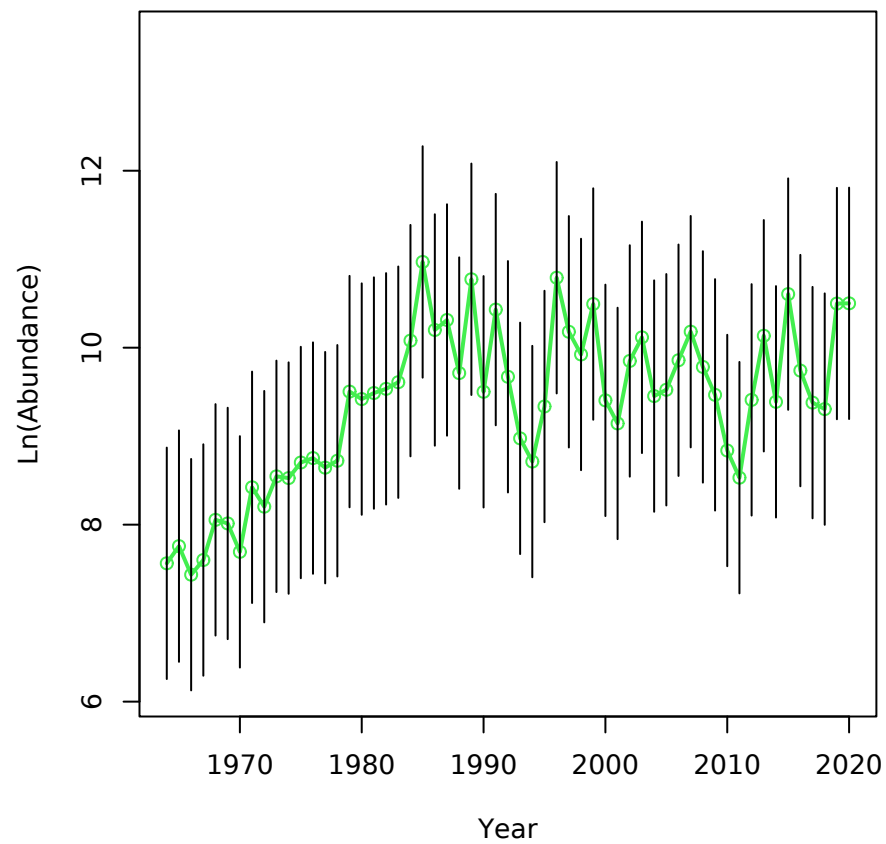
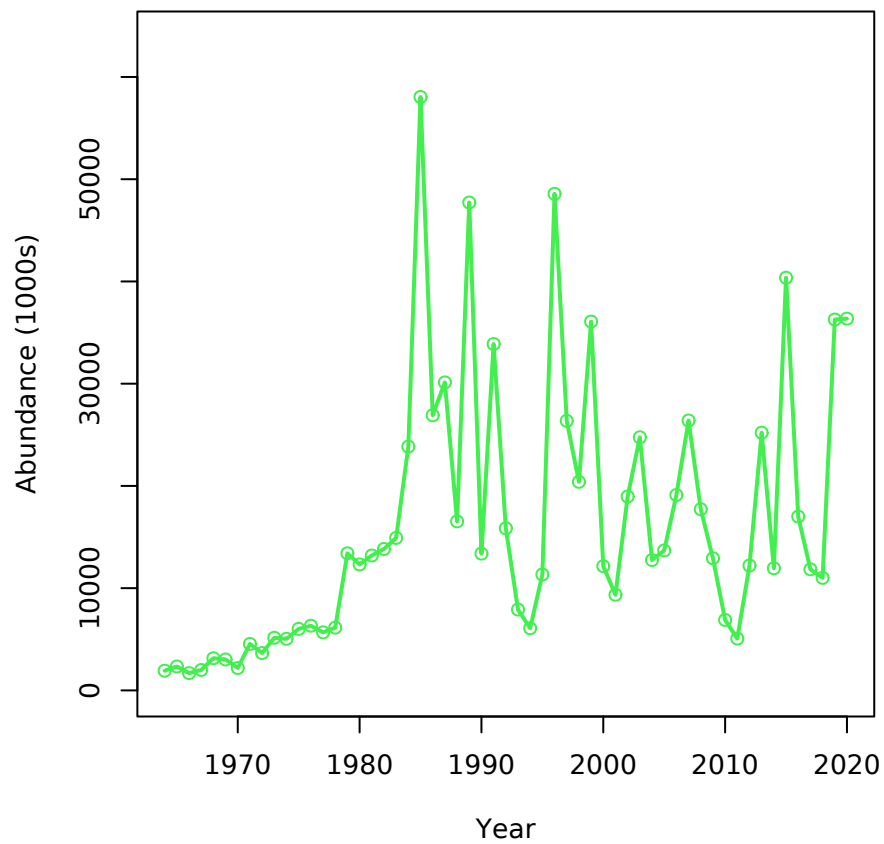
Conditional Expected and Posterior Estimates of Age 5 Abundance



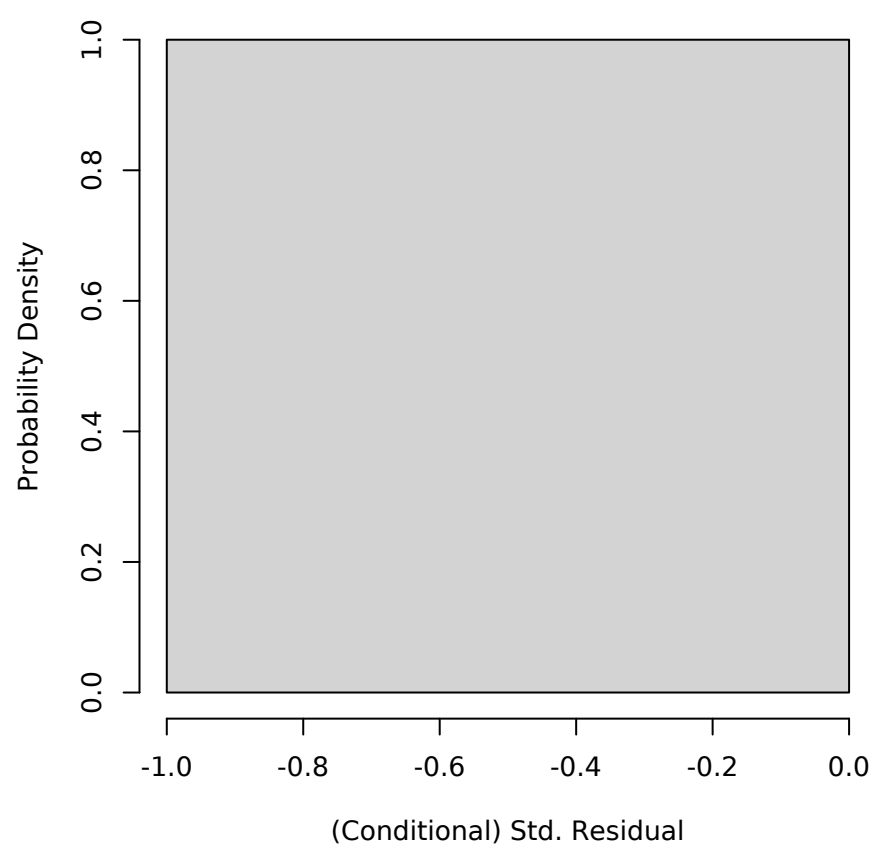
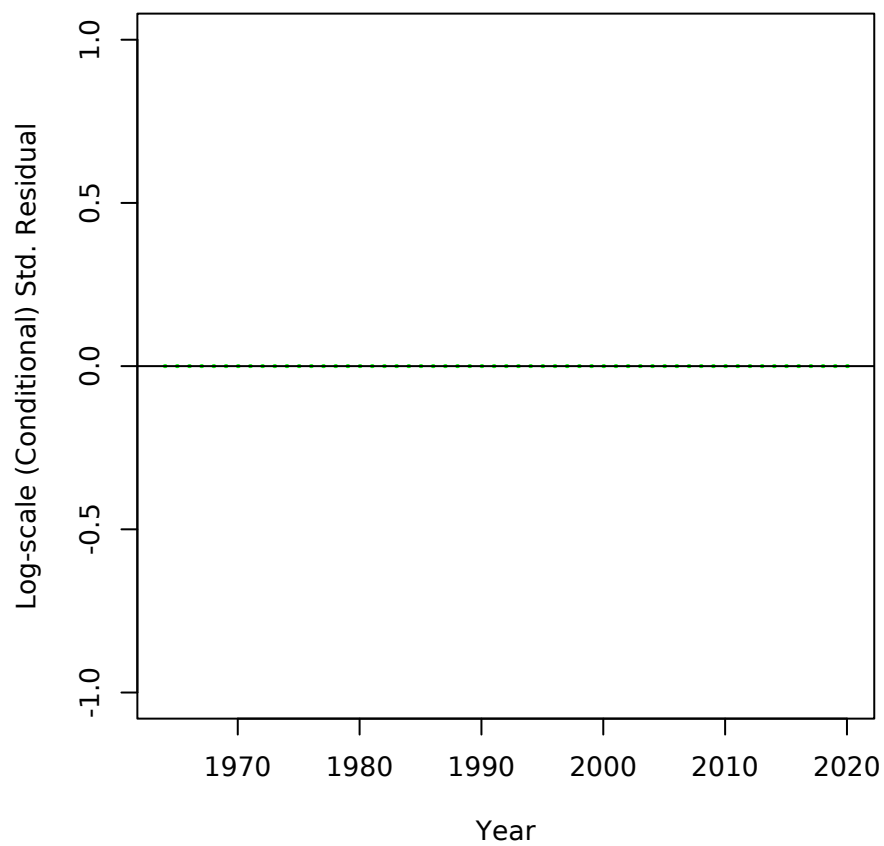
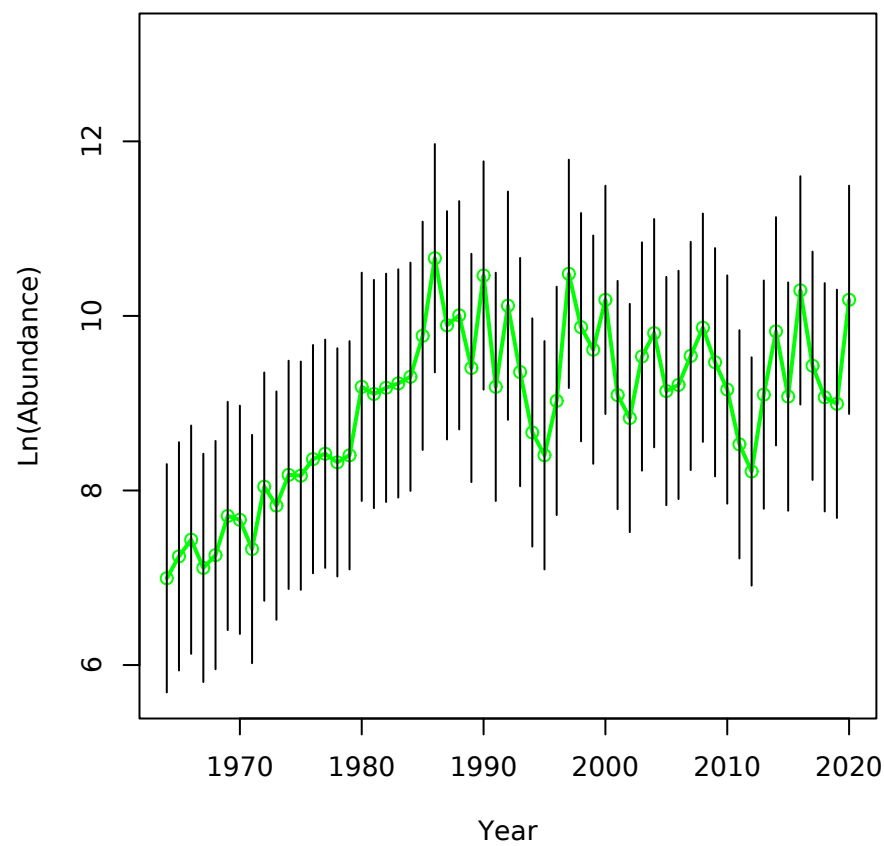
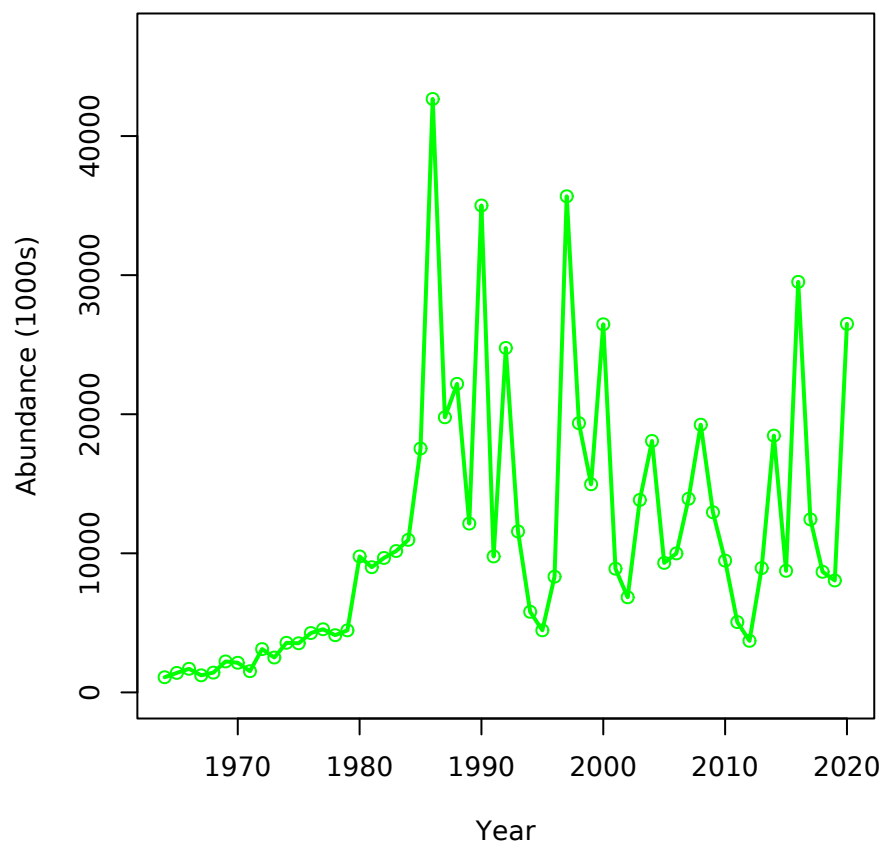
Conditional Expected and Posterior Estimates of Age 6 Abundance



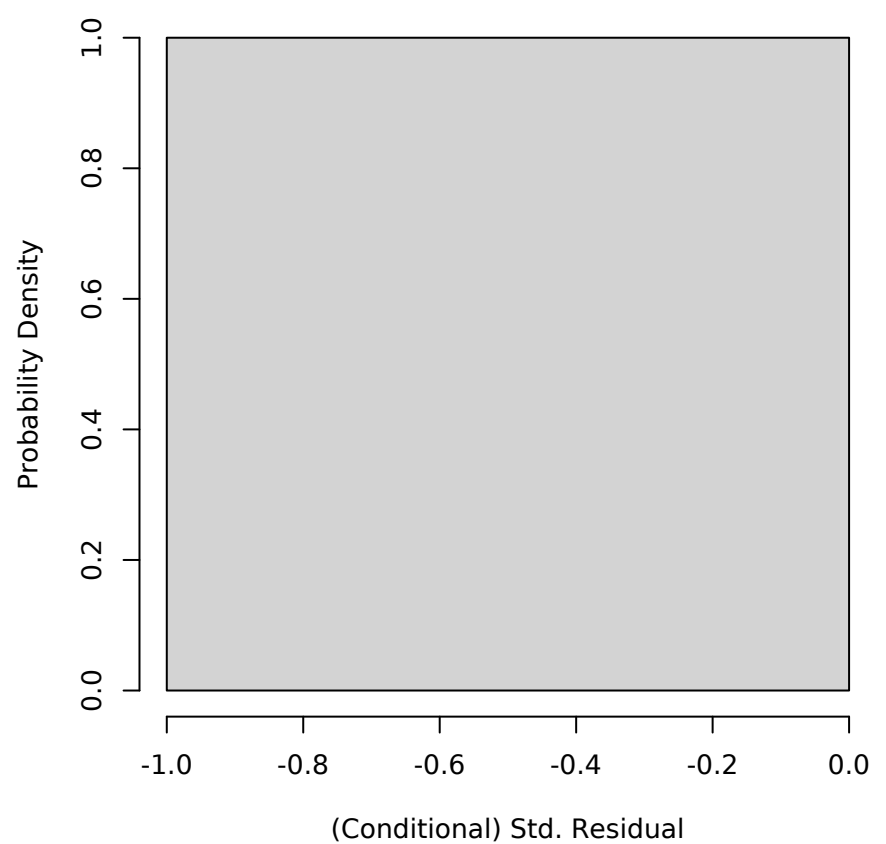
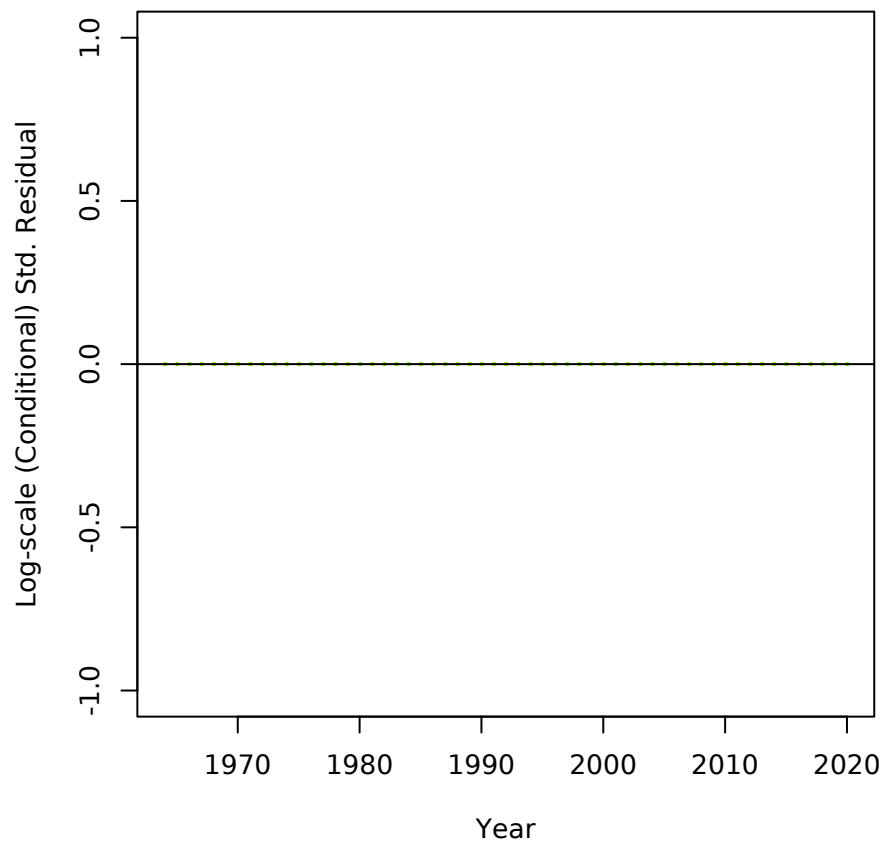
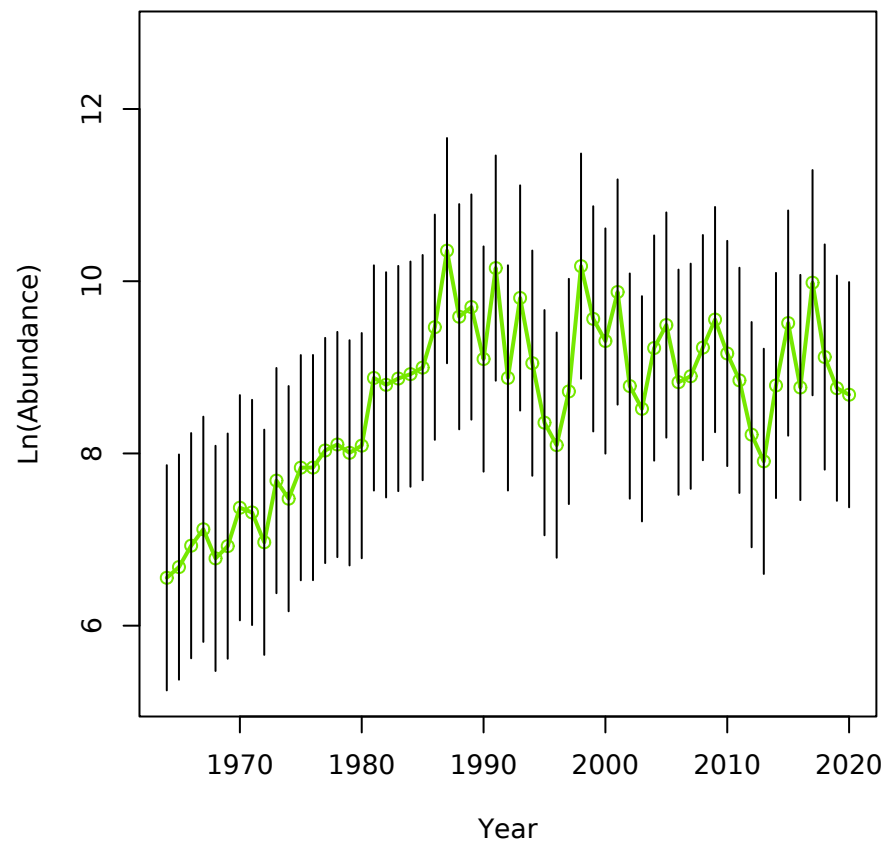
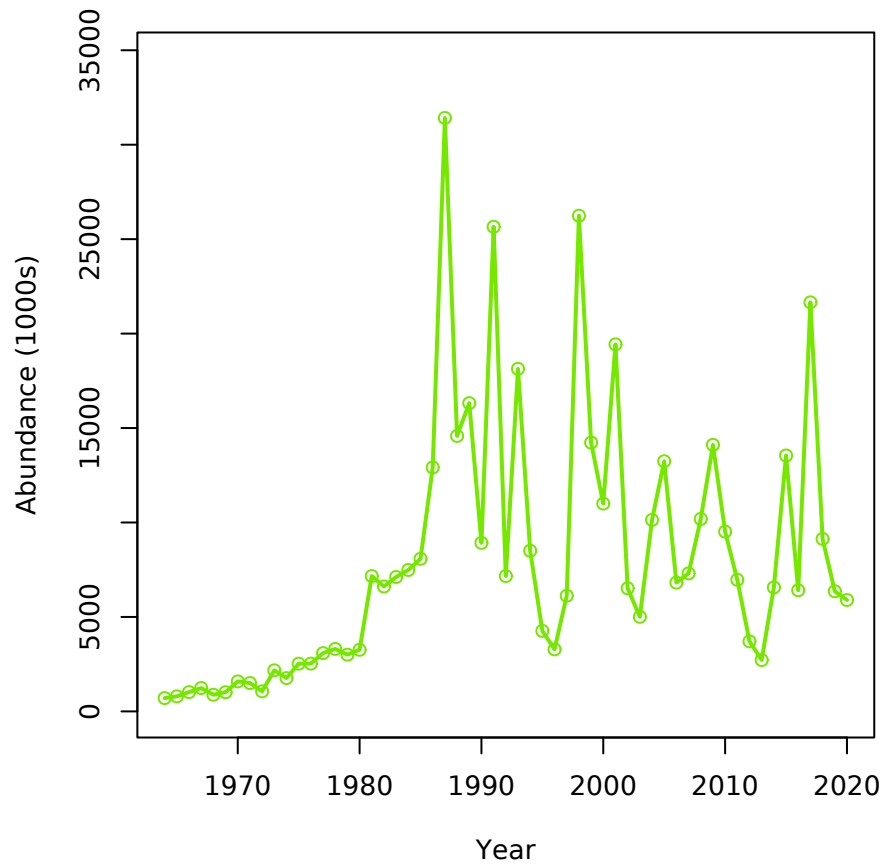
Conditional Expected and Posterior Estimates of Age 7 Abundance



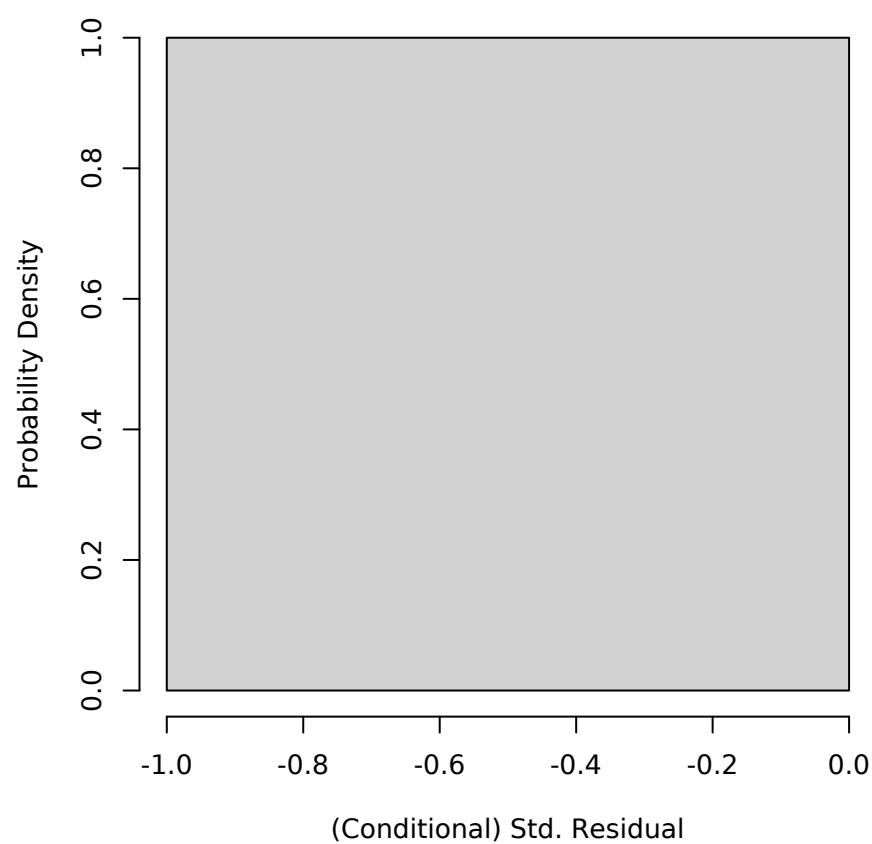
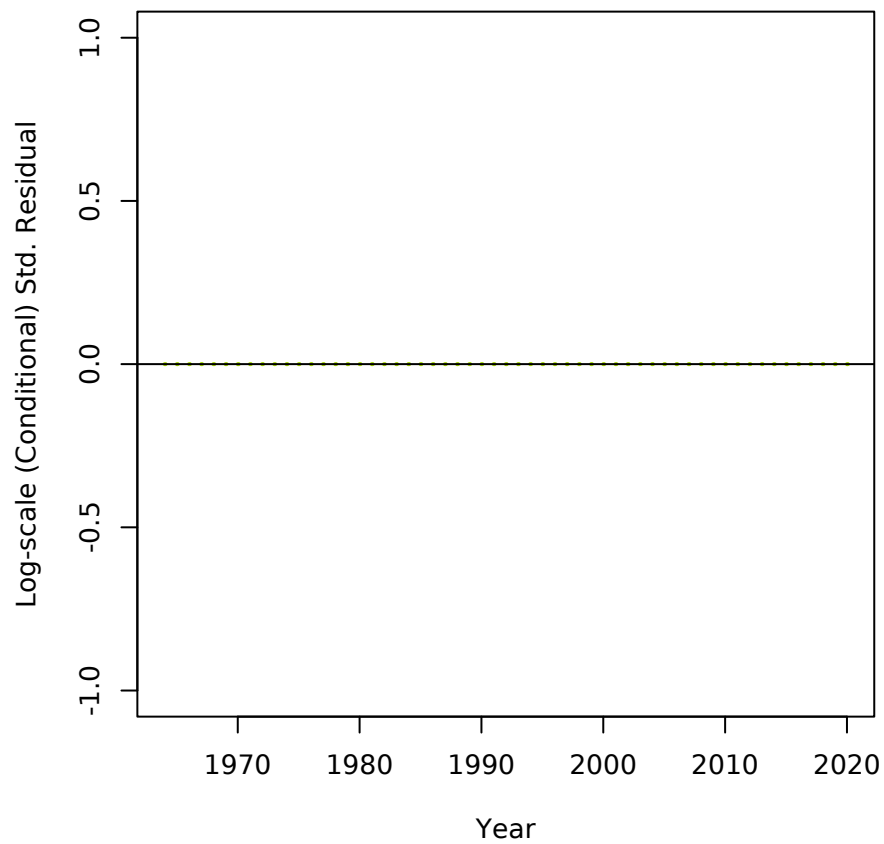
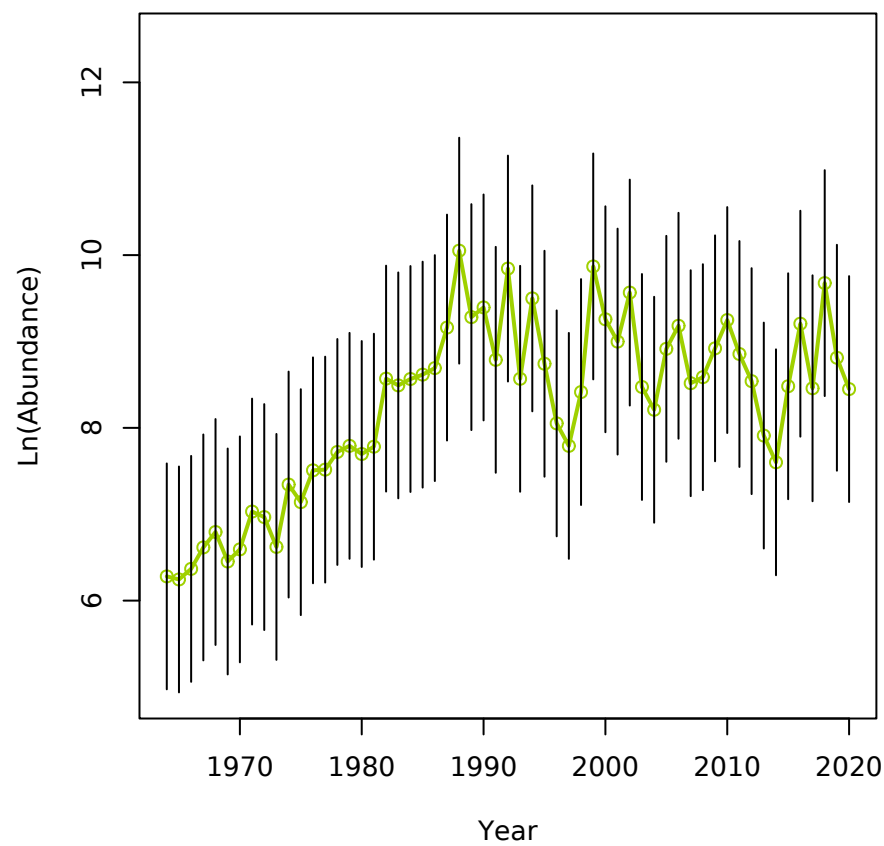
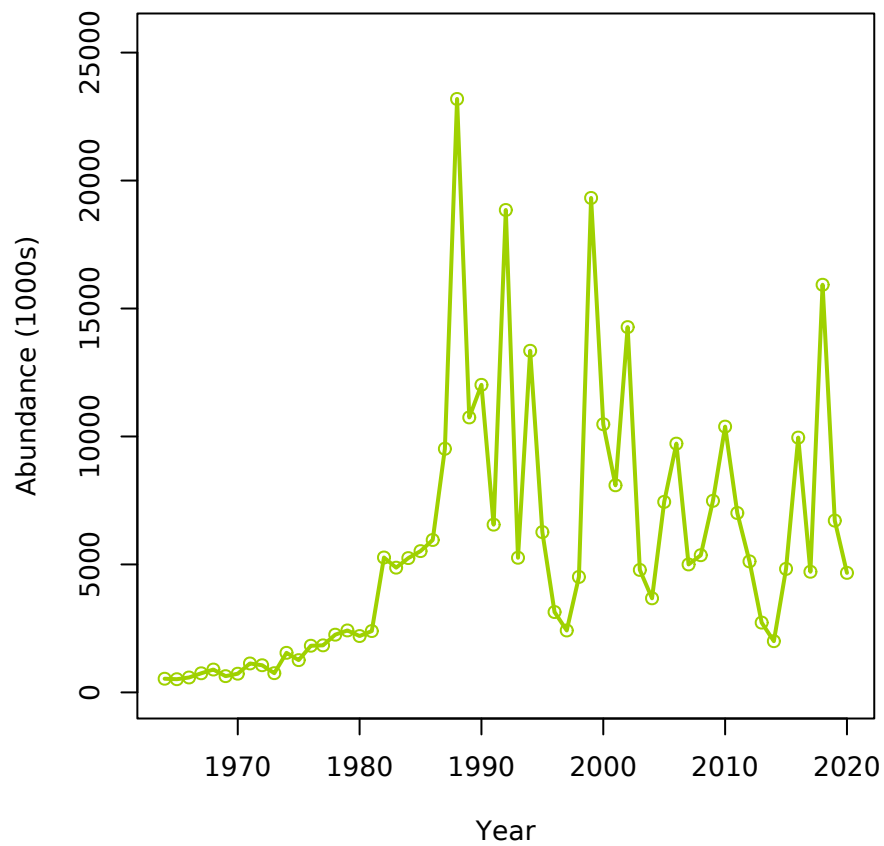
Conditional Expected and Posterior Estimates of Age 8 Abundance



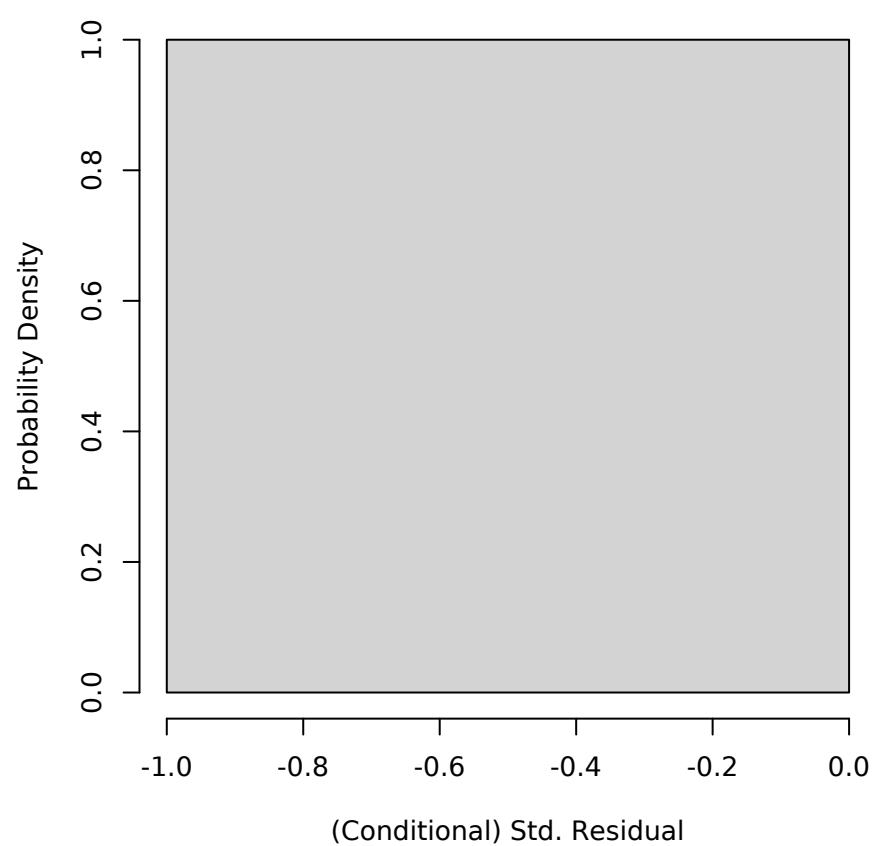
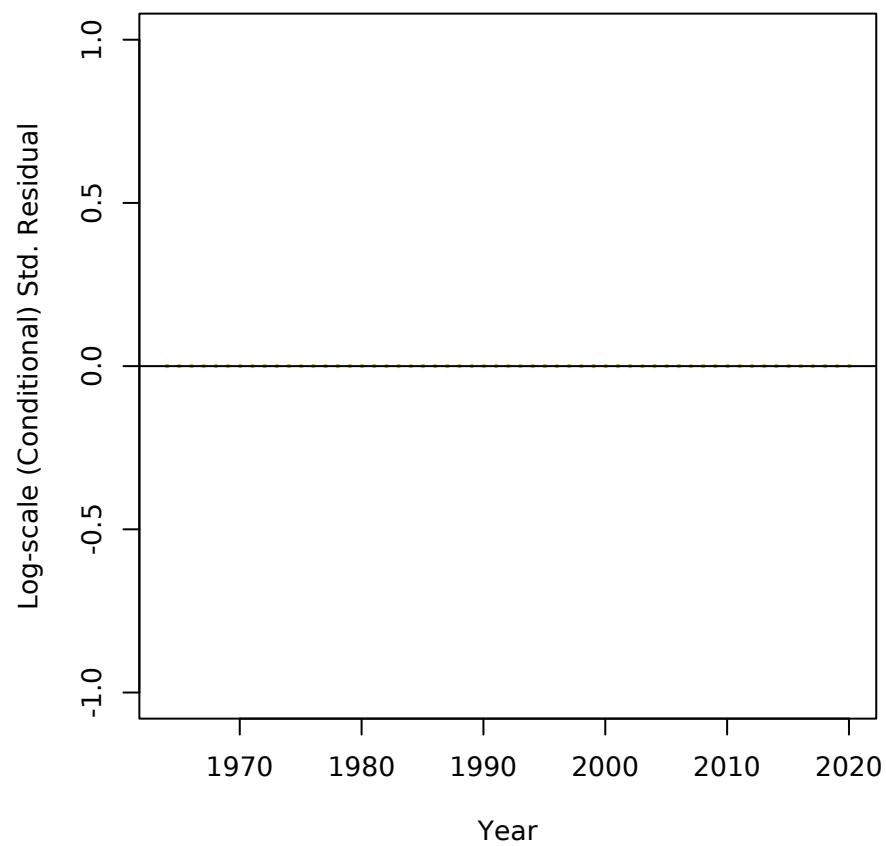
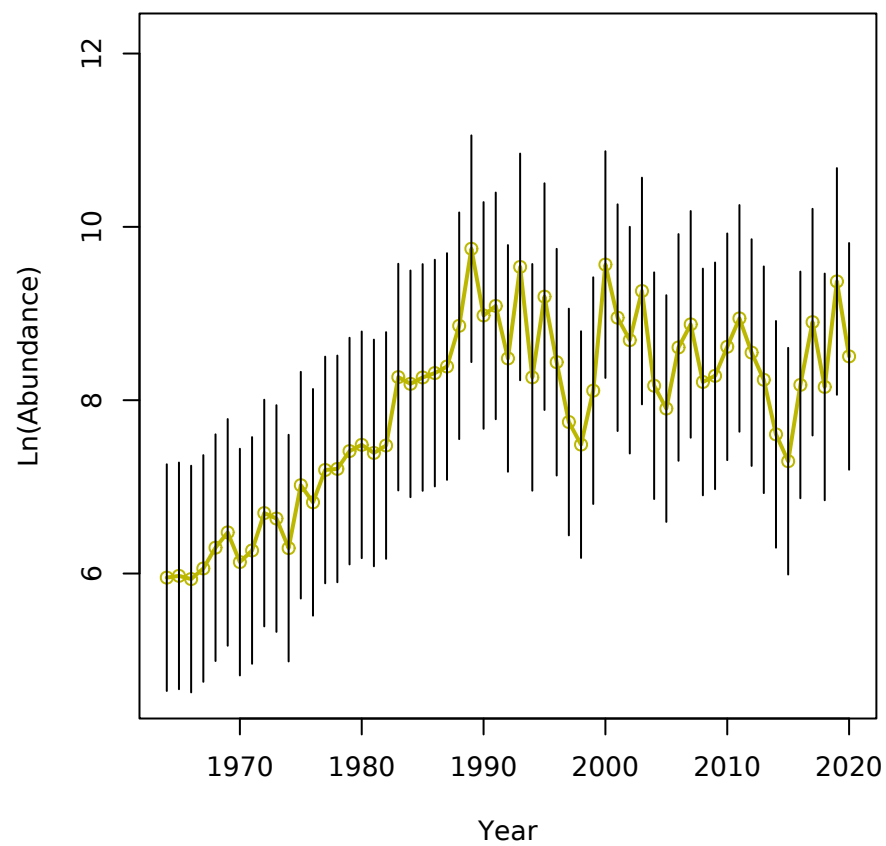
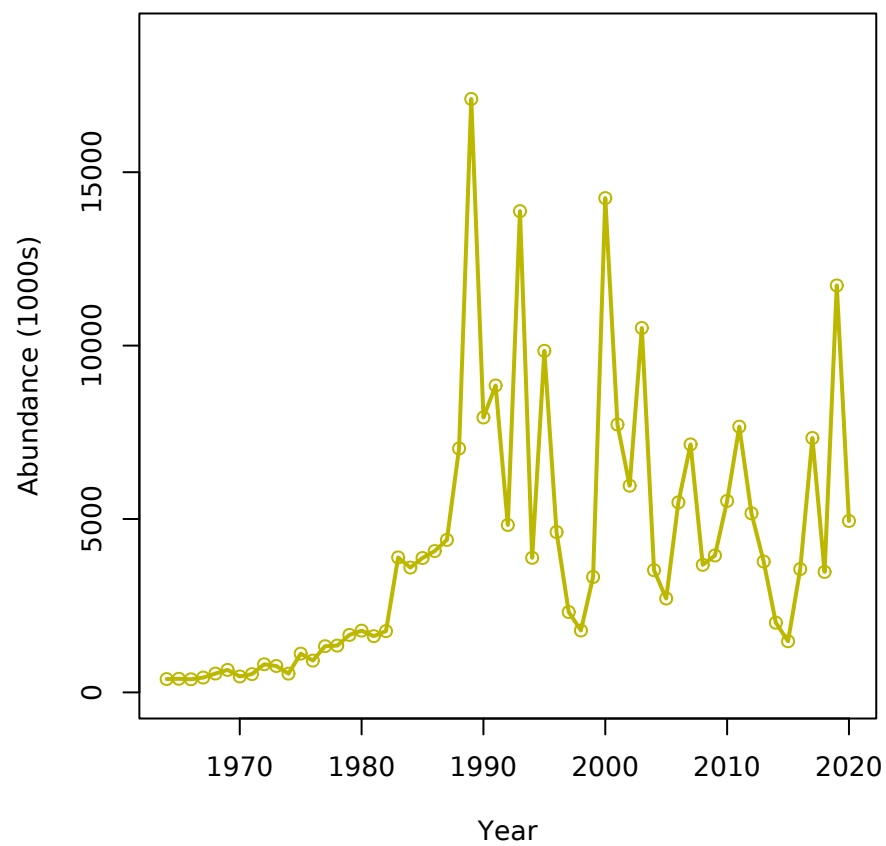
Conditional Expected and Posterior Estimates of Age 9 Abundance



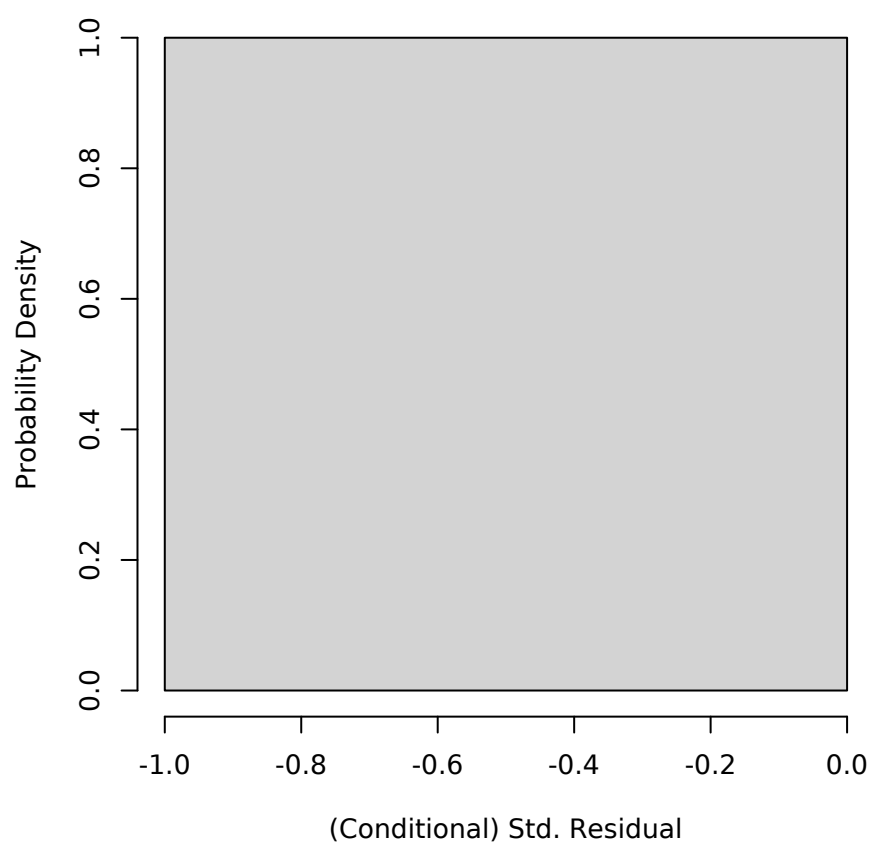
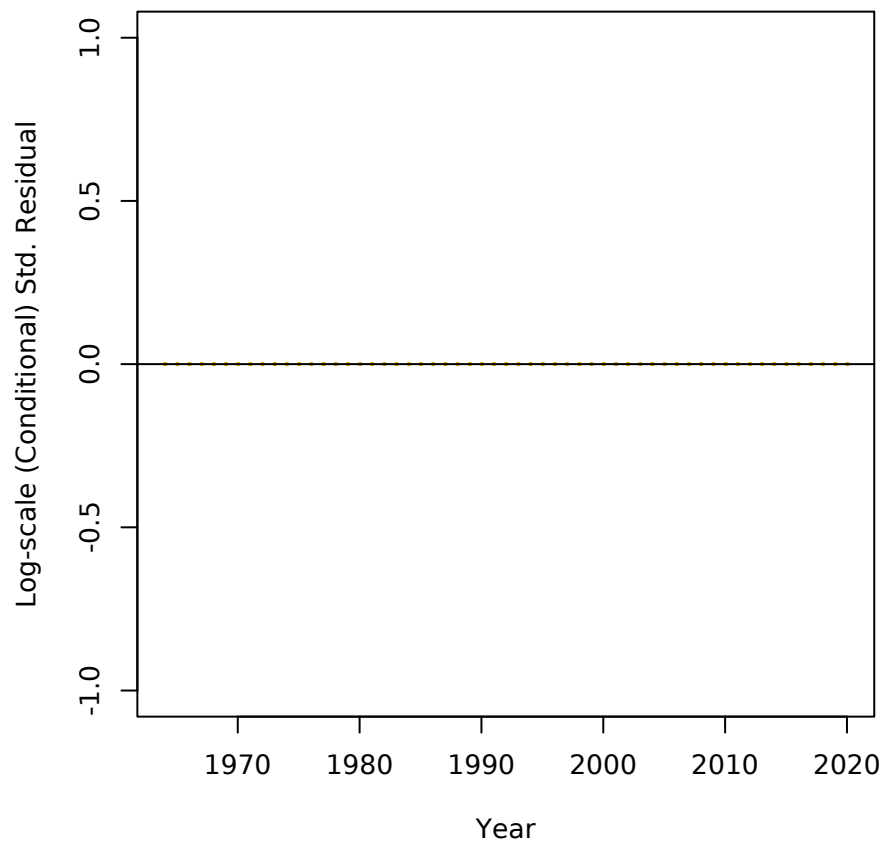
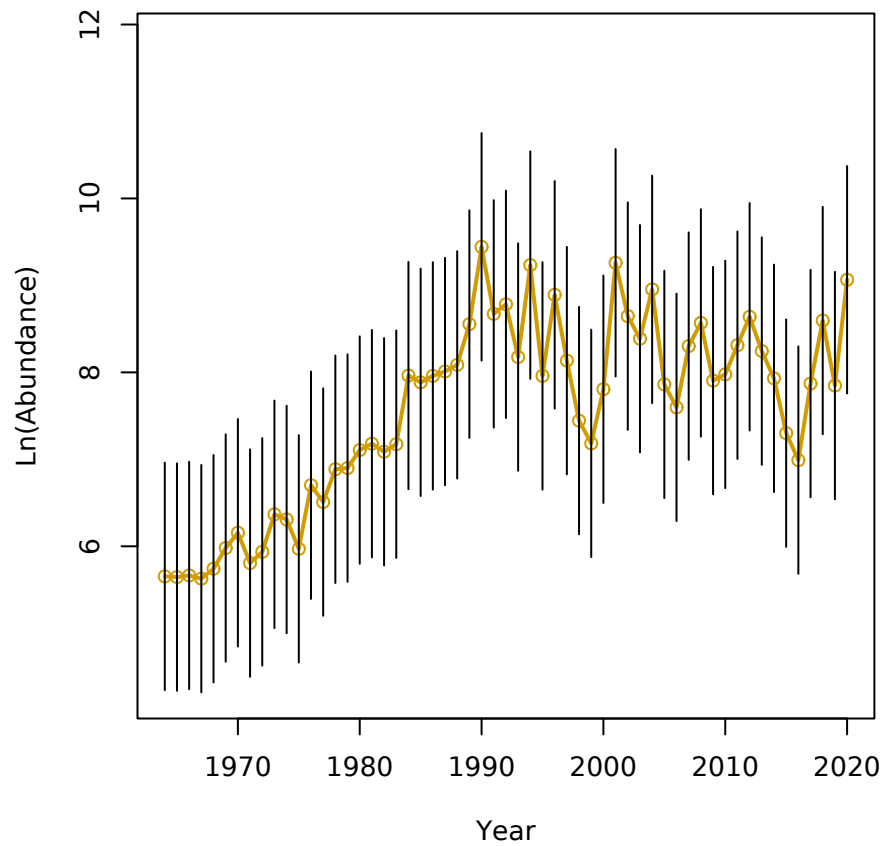
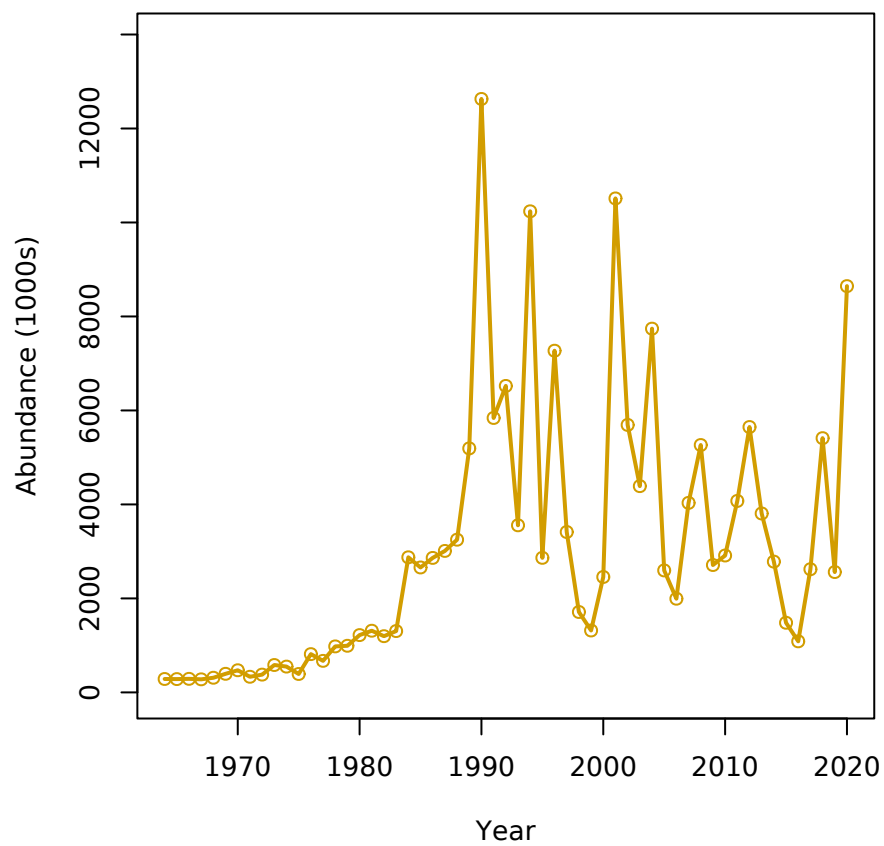
Conditional Expected and Posterior Estimates of Age 10 Abundance



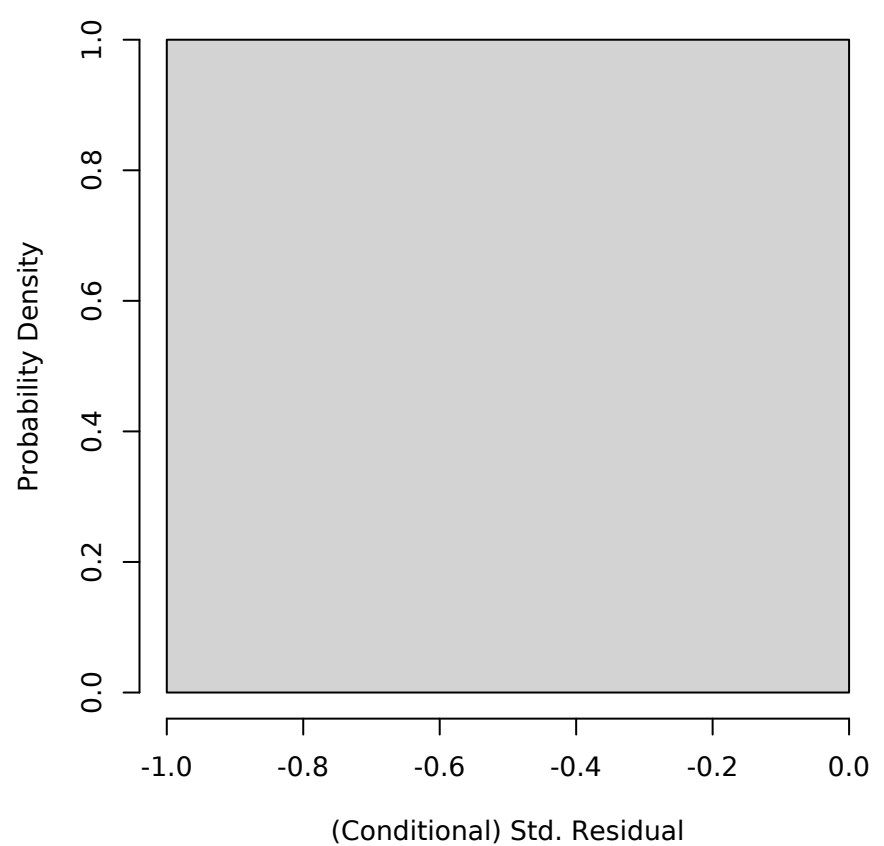
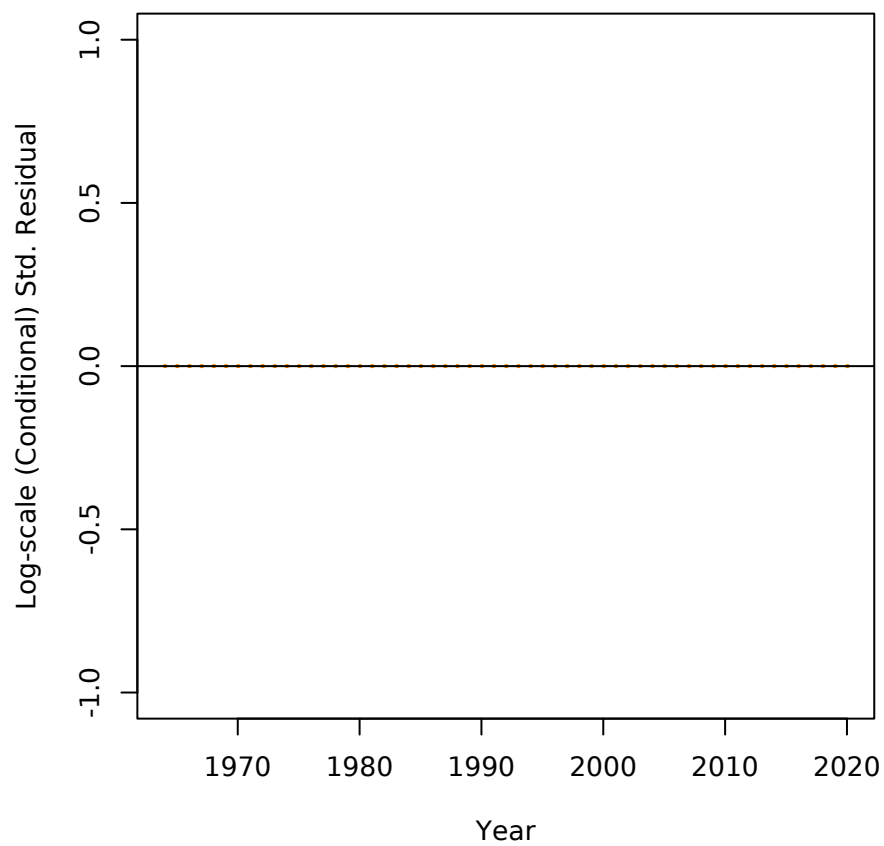
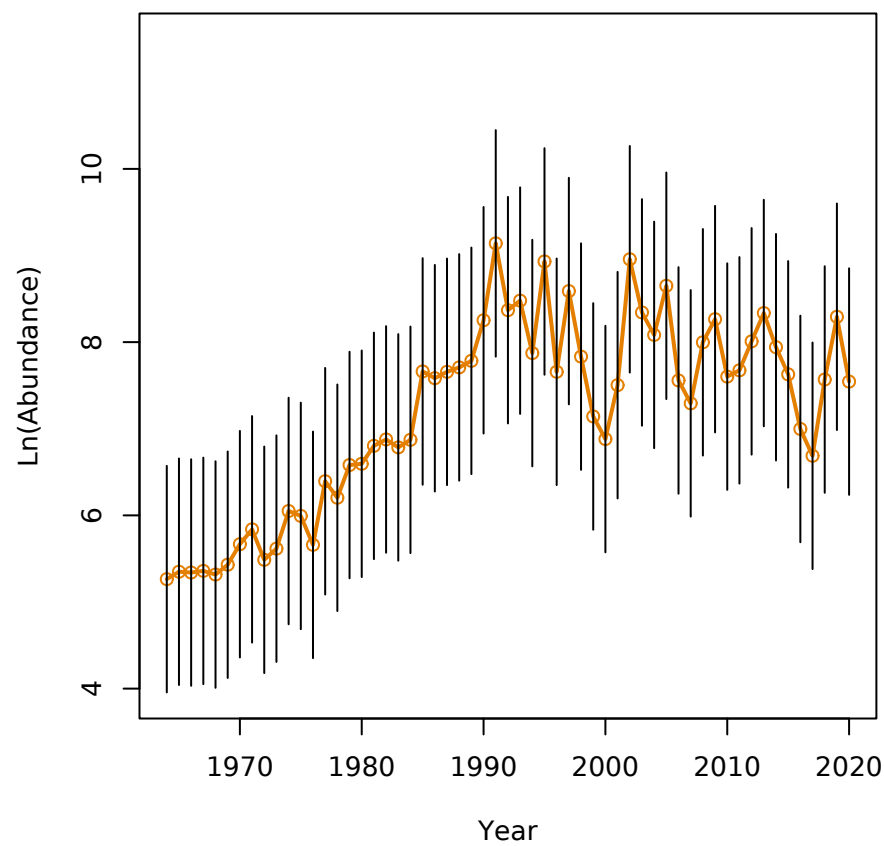
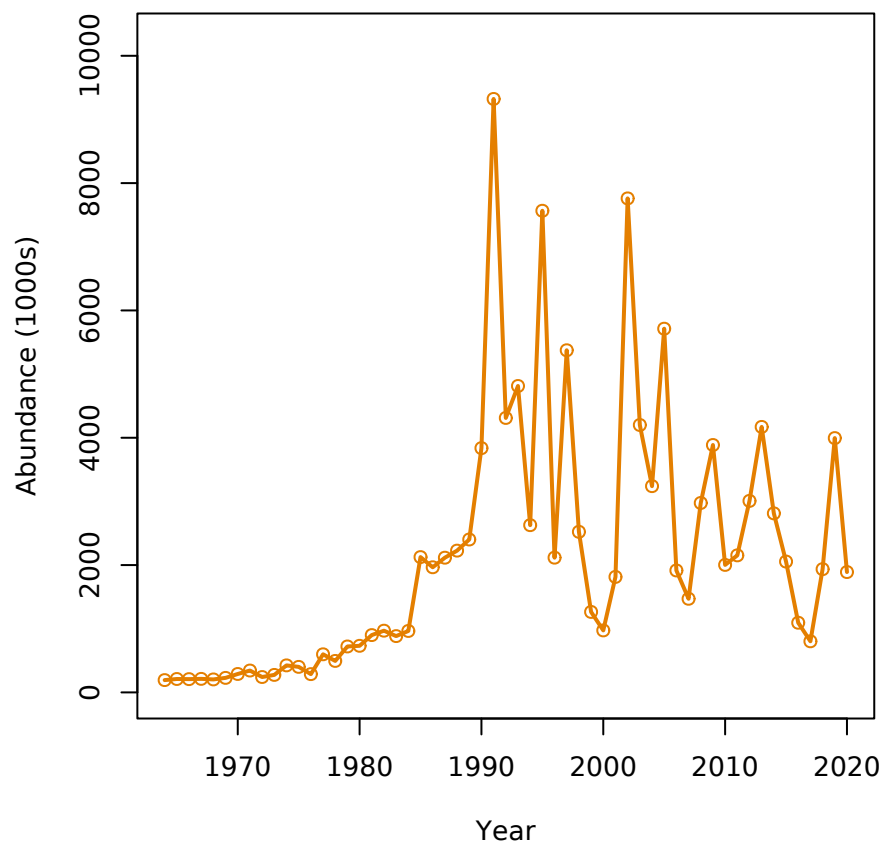
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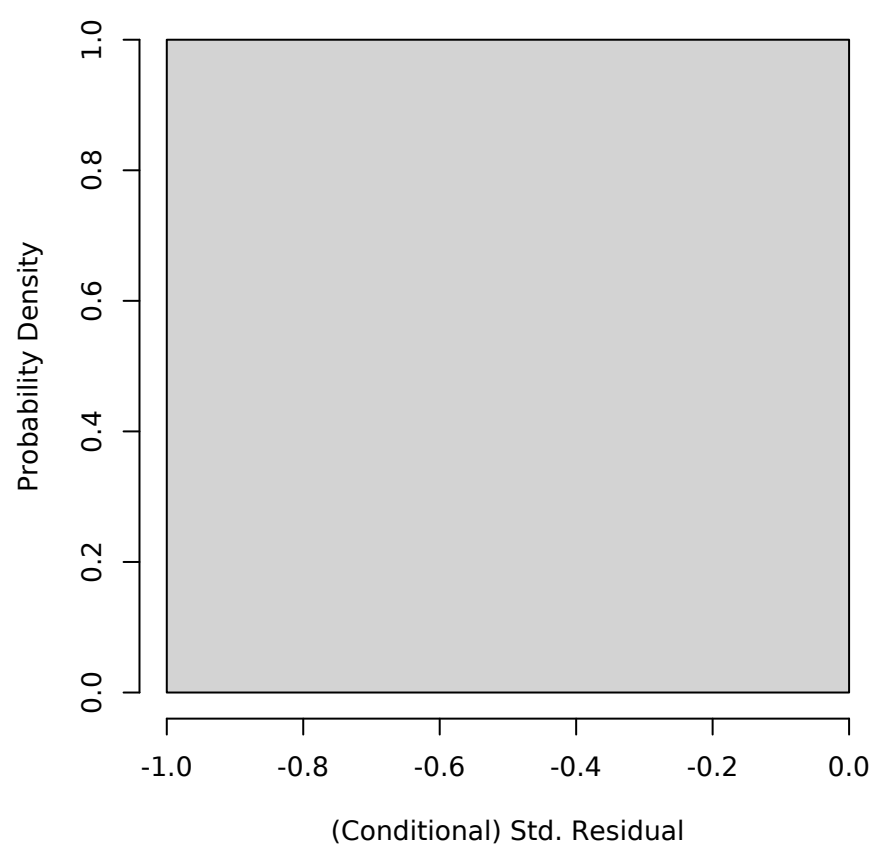
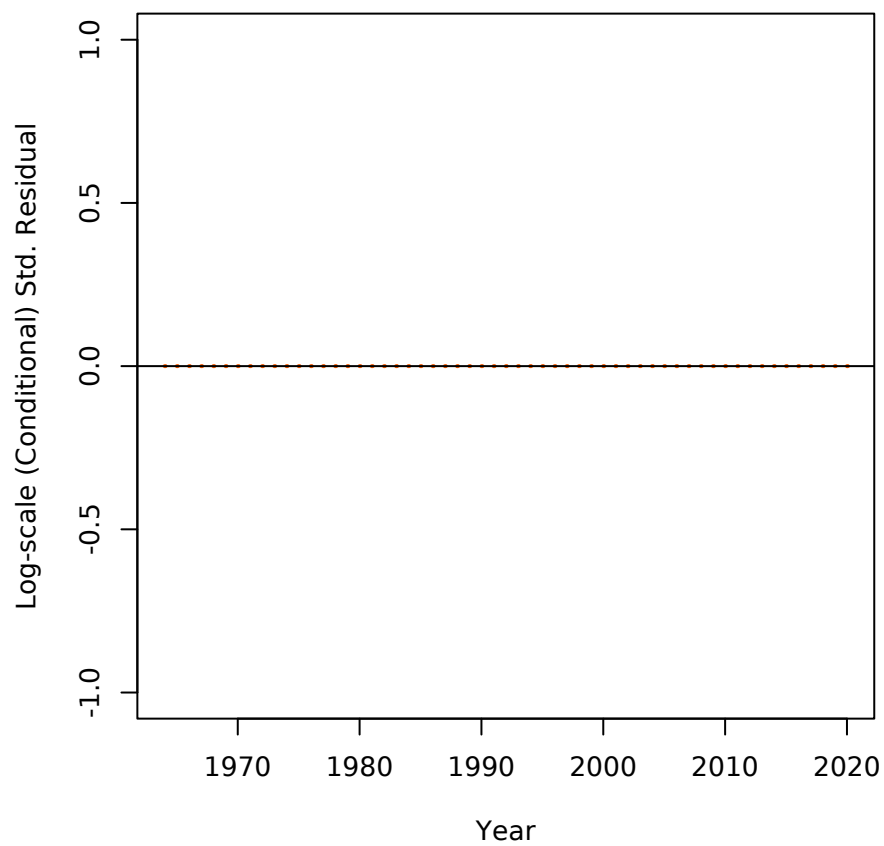
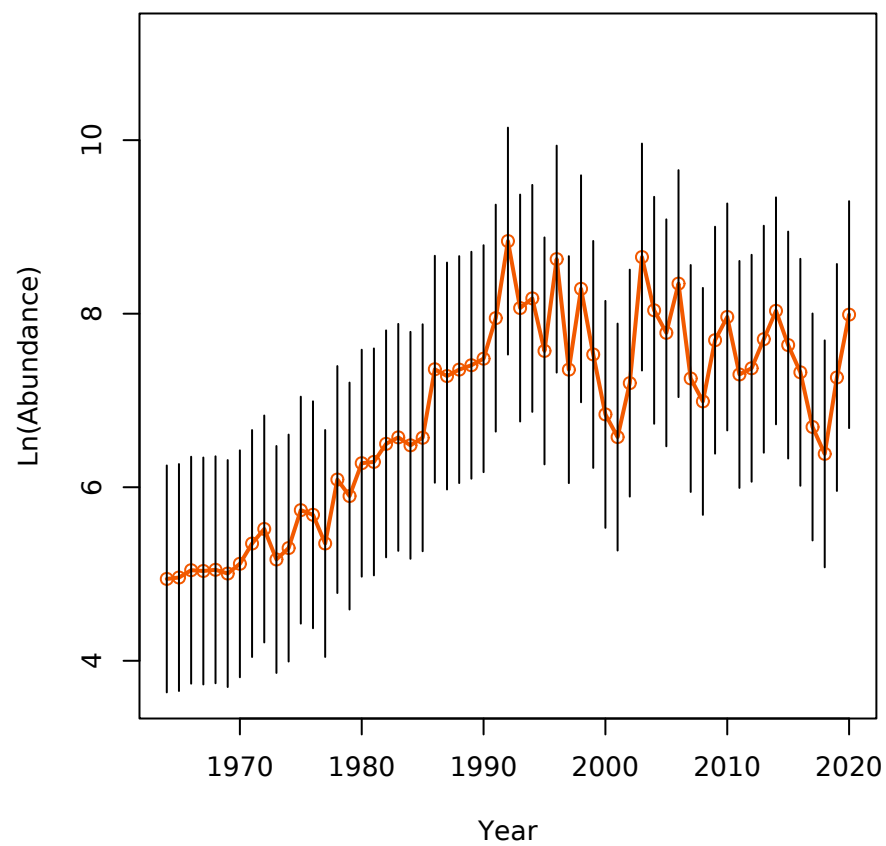
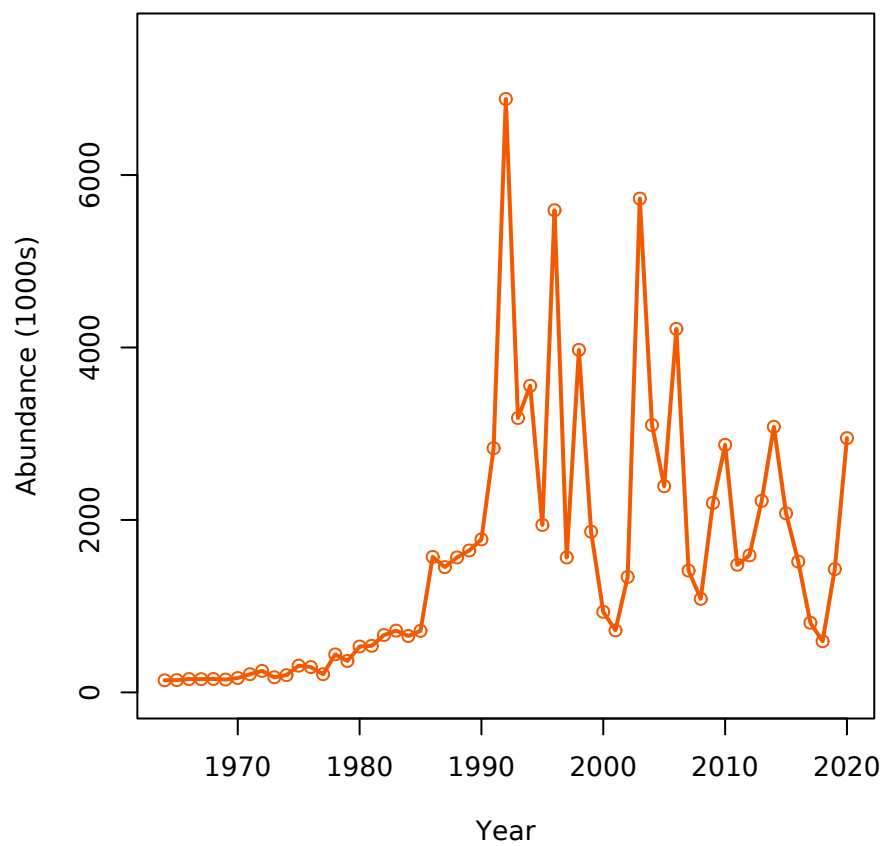
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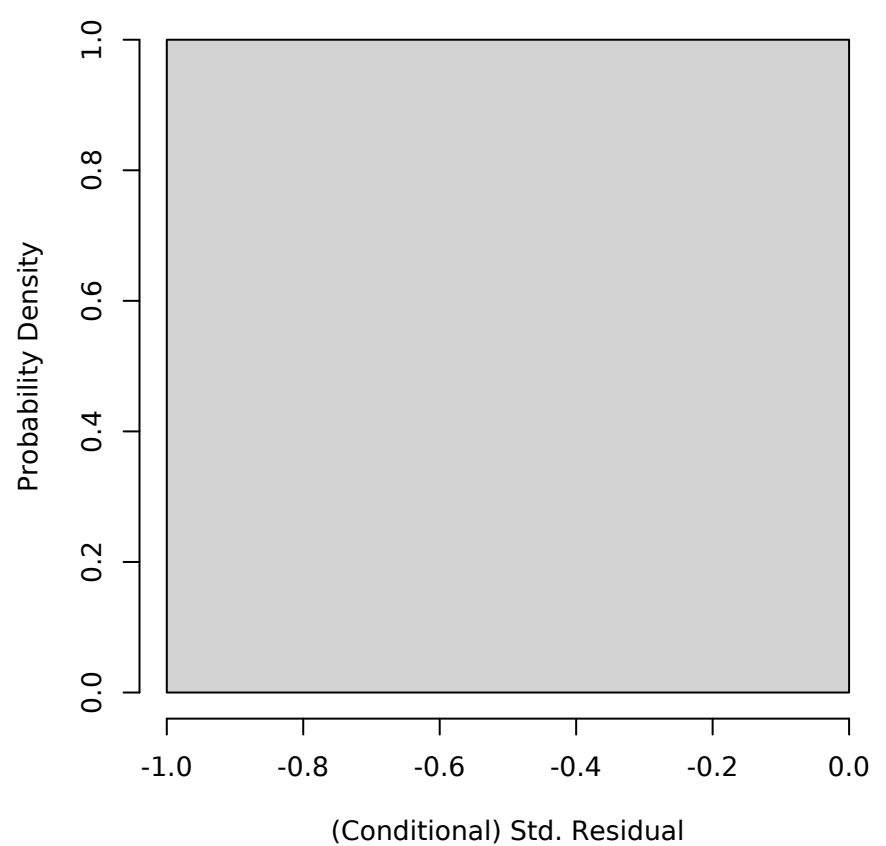
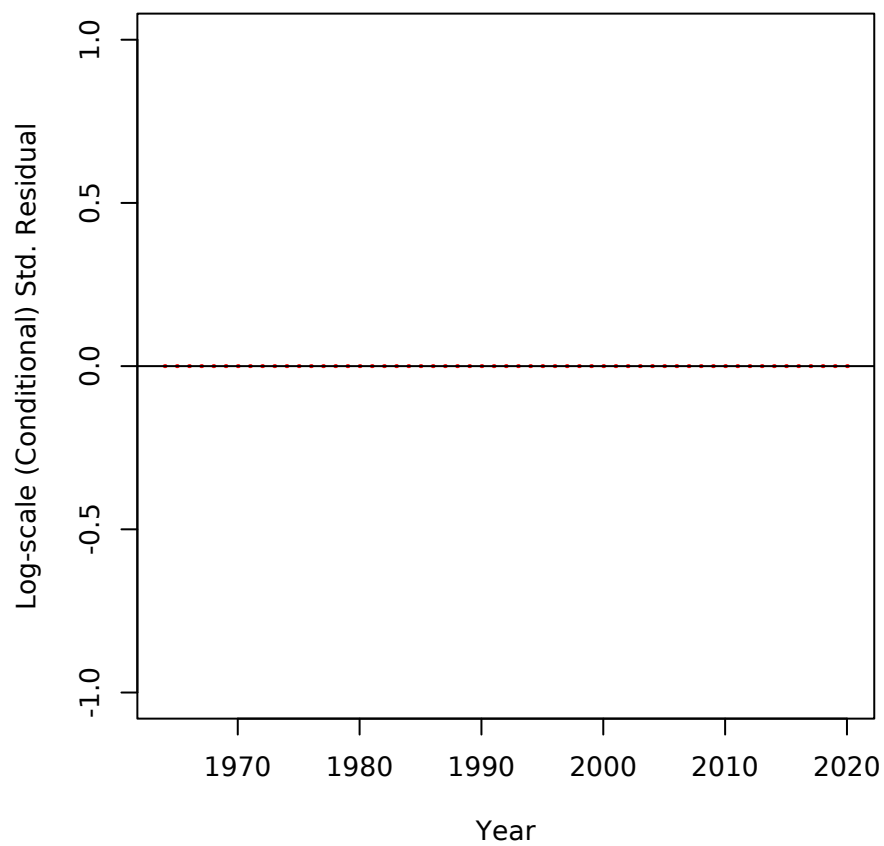
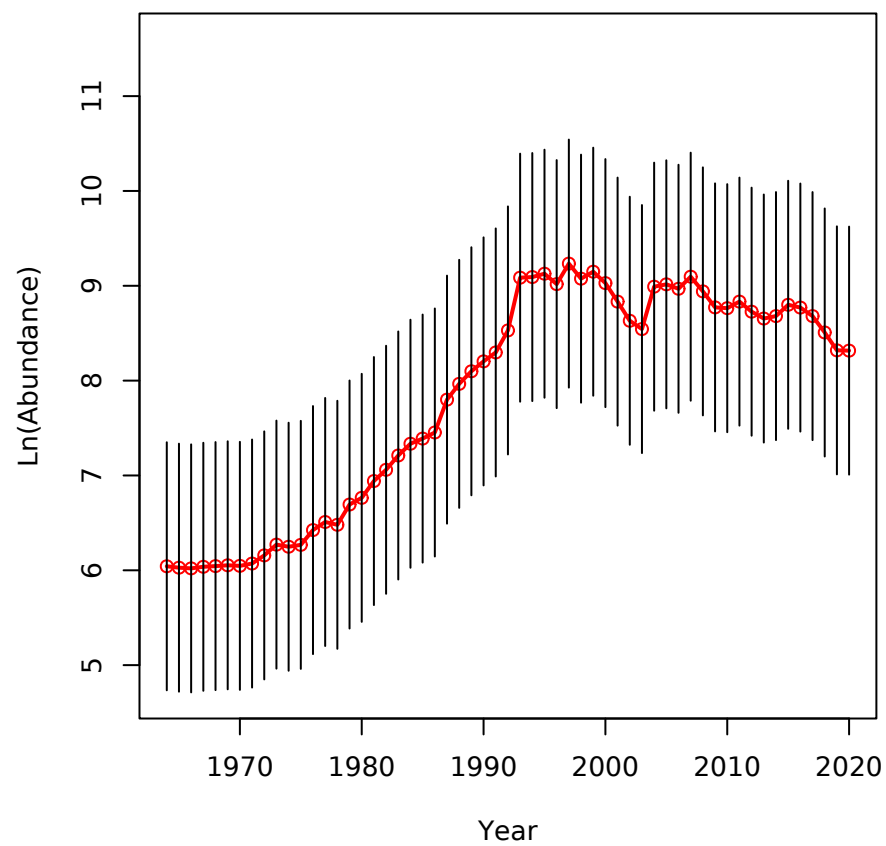
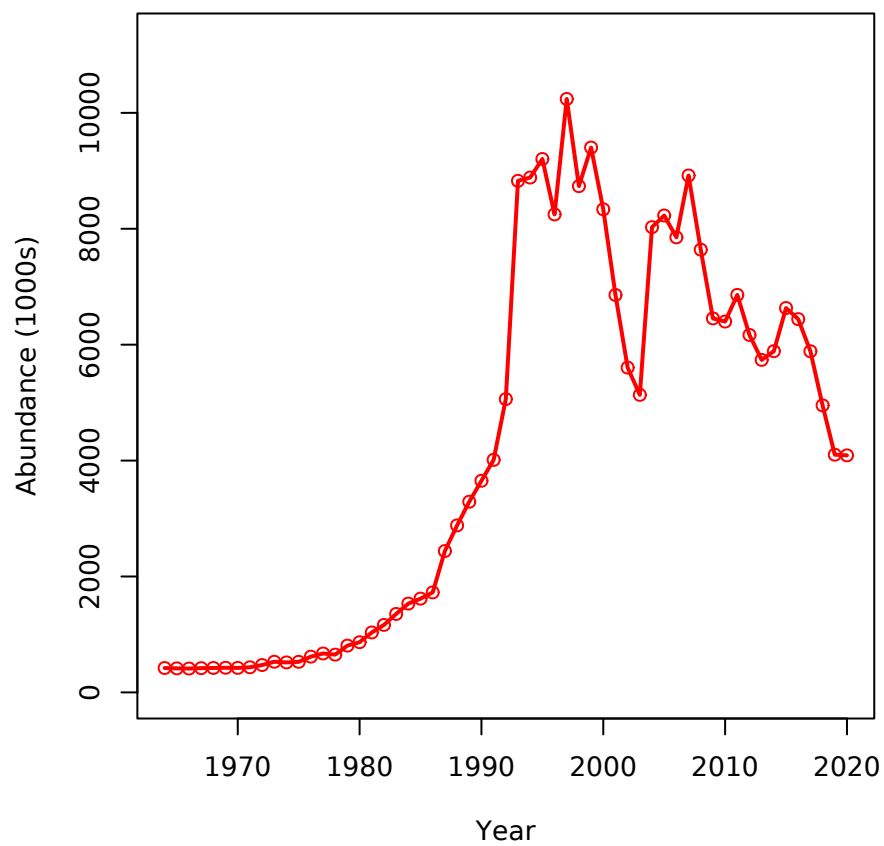
Conditional Expected and Posterior Estimates of Age 13 Abundance



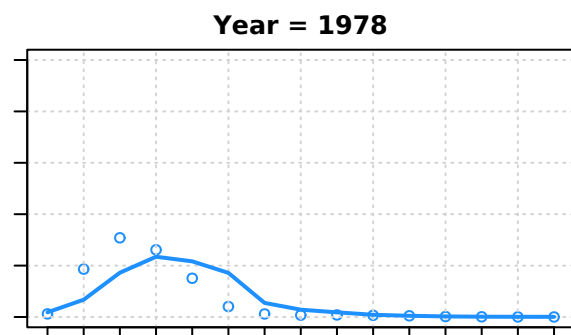
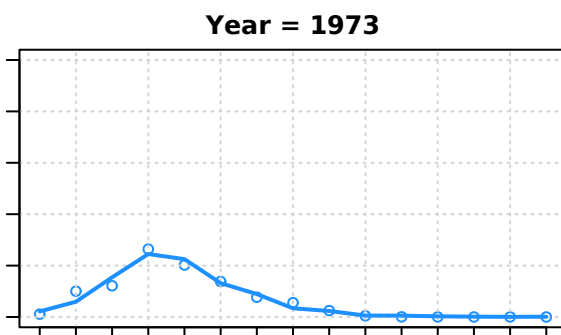
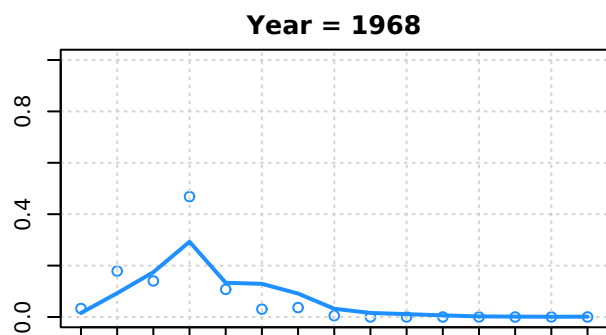
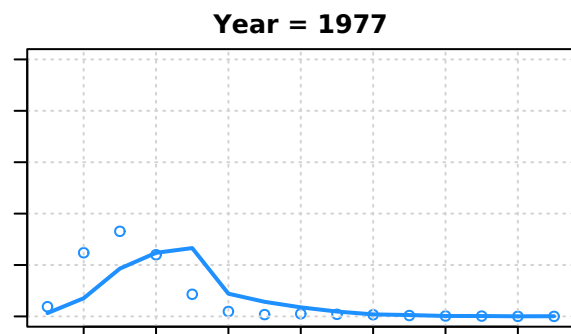
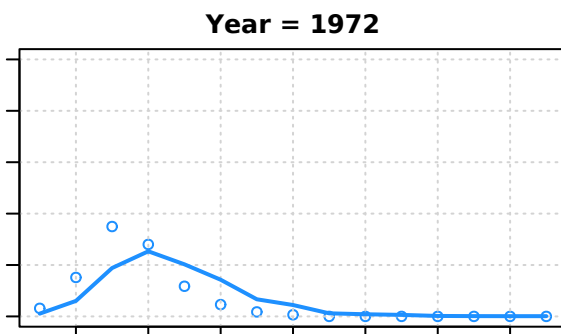
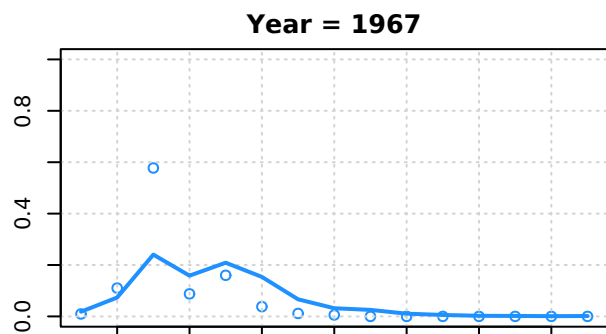
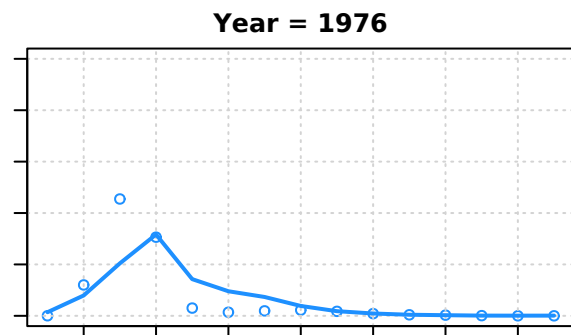
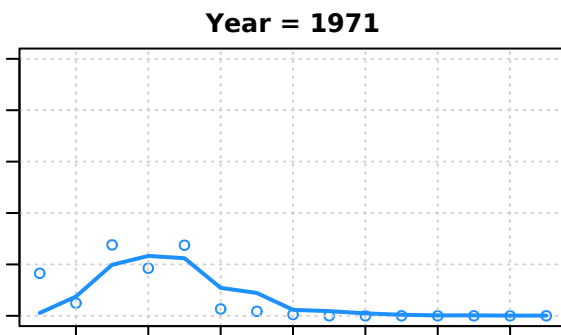
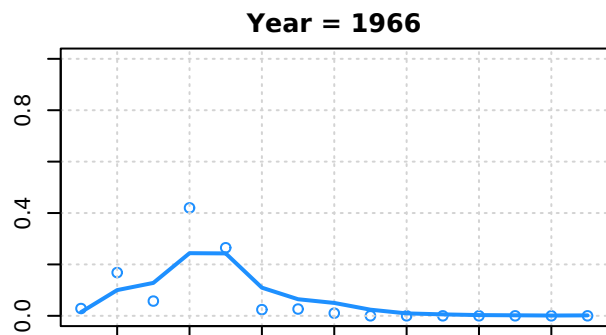
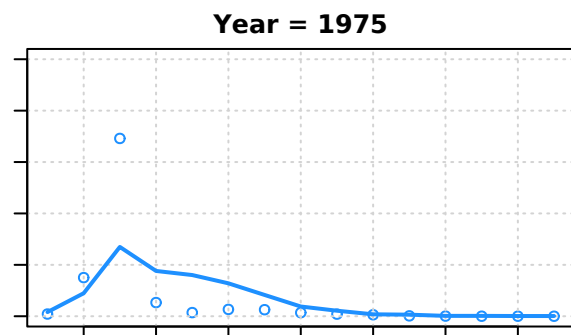
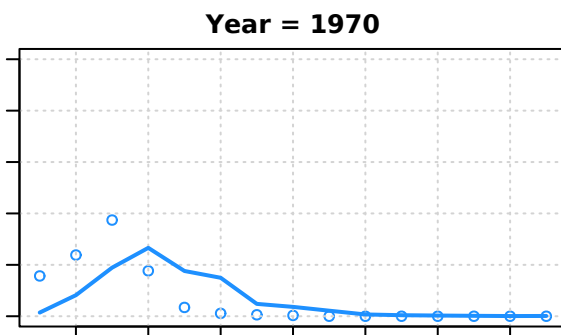
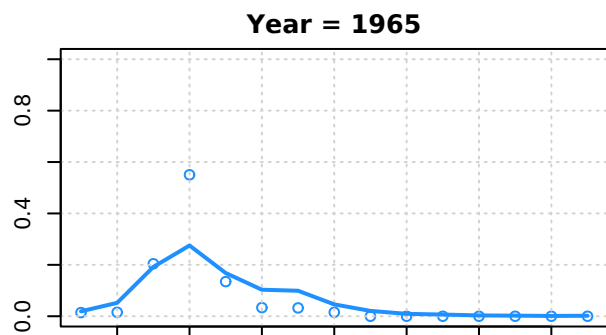
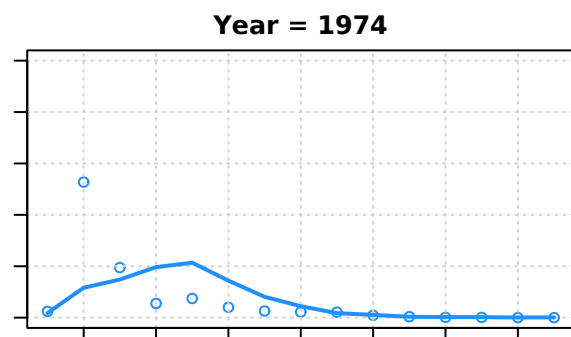
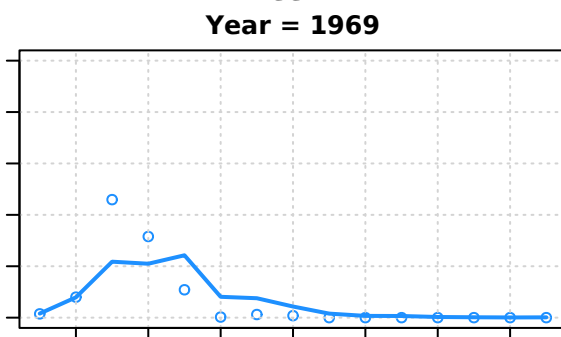
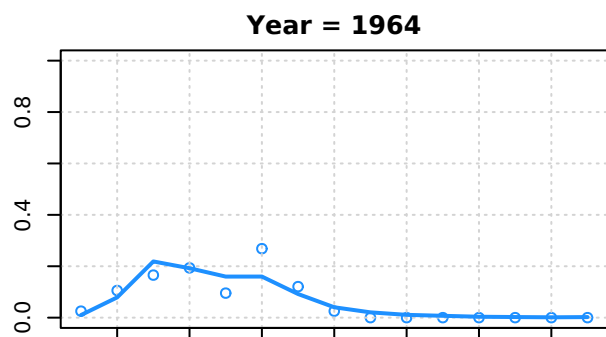
Conditional Expected and Posterior Estimates of Age 14 Abundance



Conditional Expected and Posterior Estimates of Age 15 Abundance

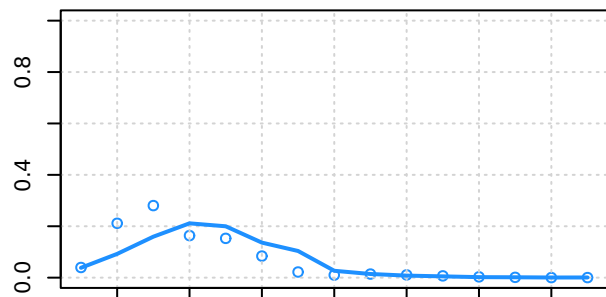


Fleet 1
Year = 1969

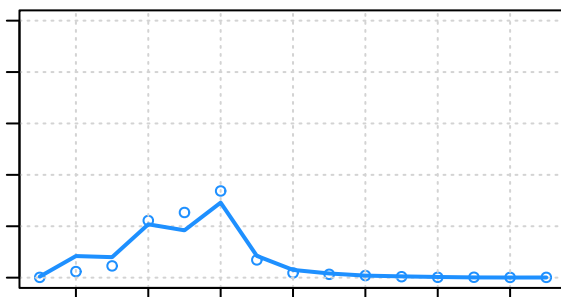


Age

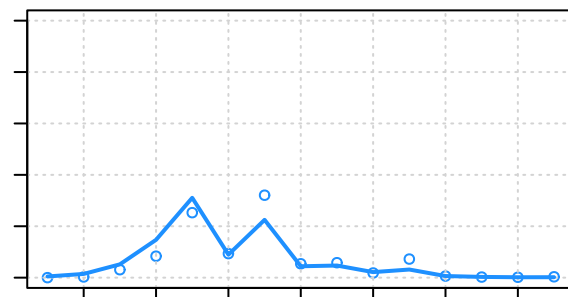
Year = 1979



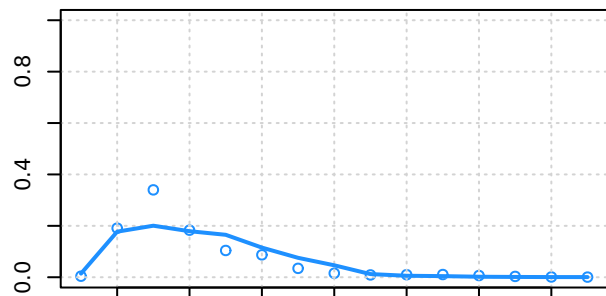
Fleet 1
Year = 1984



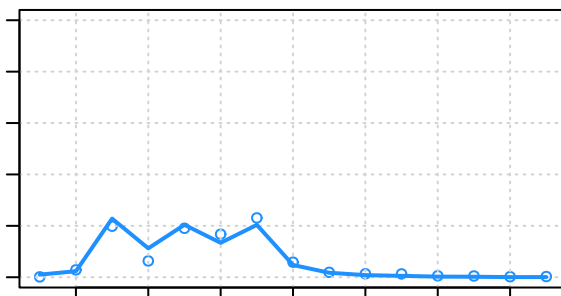
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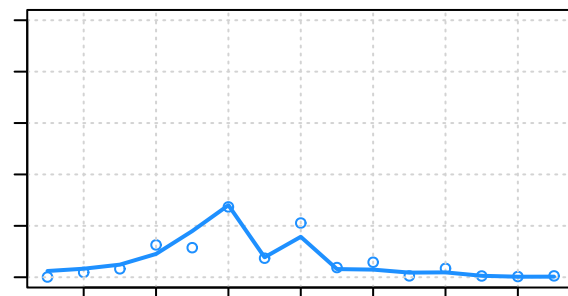
Year = 1980



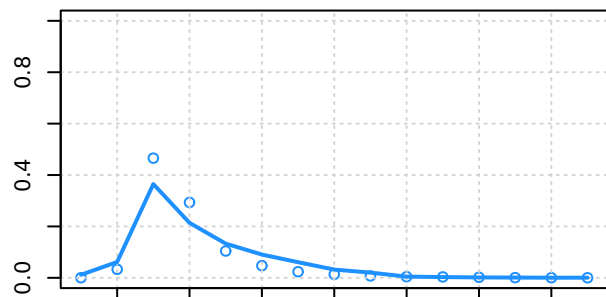
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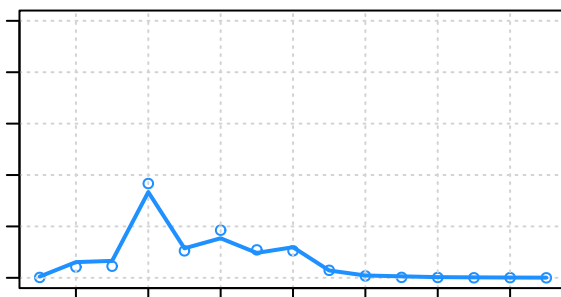
Year = 1990



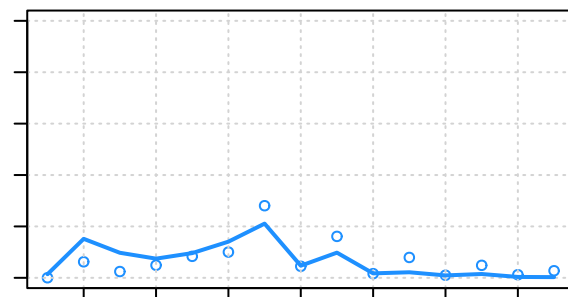
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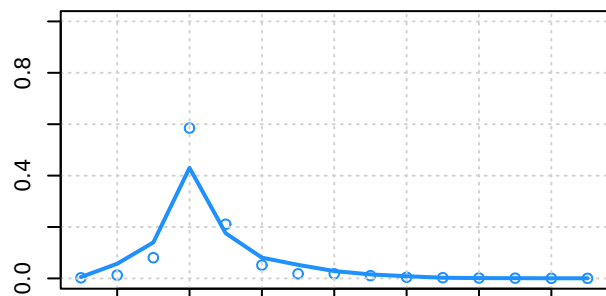
Year = 1986



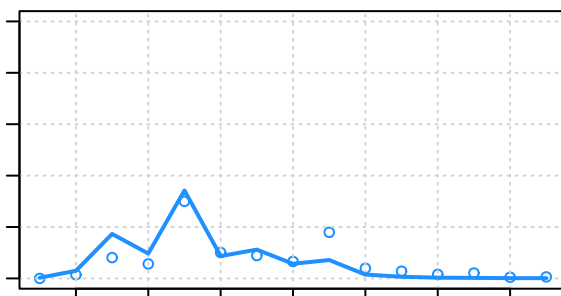
Year = 1991



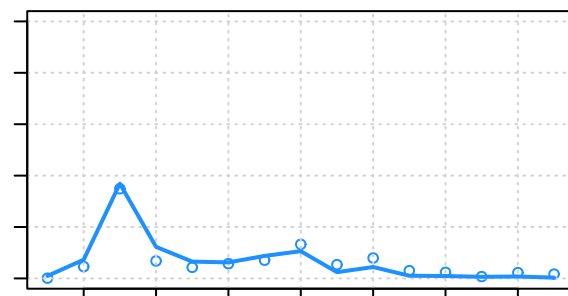
Year = 1982



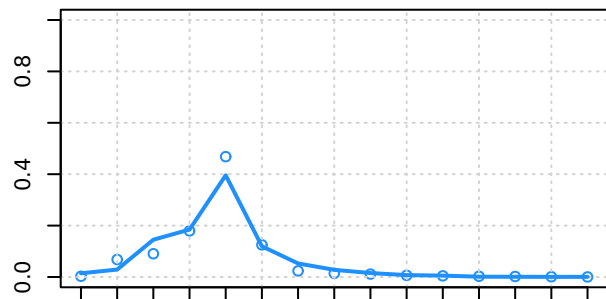
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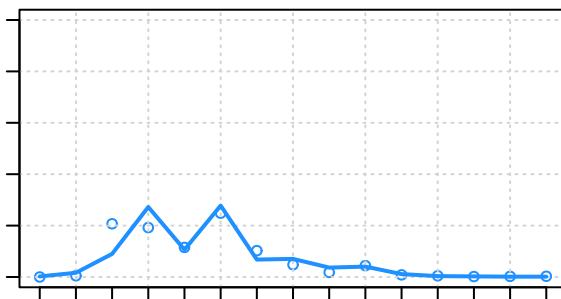
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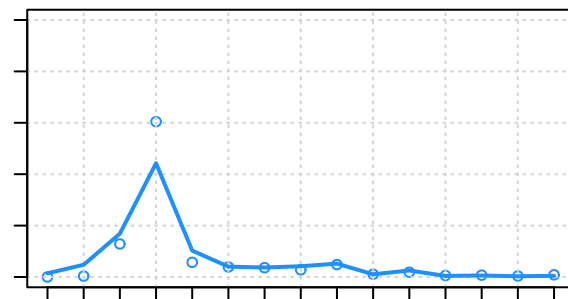
Year = 1983



Year = 1988

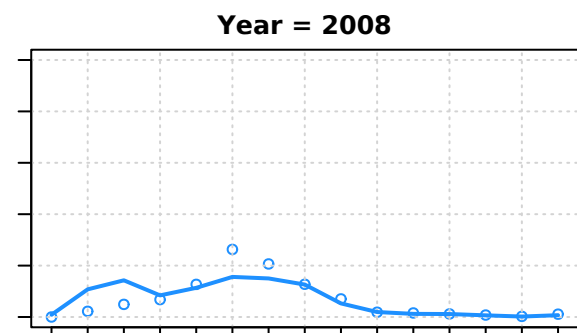
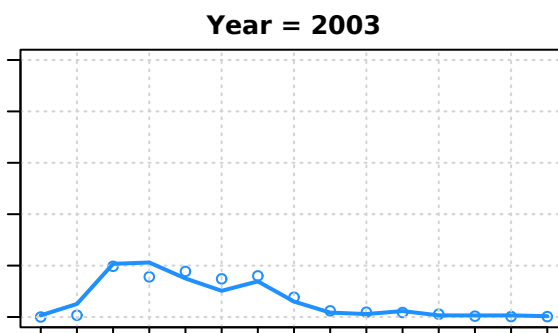
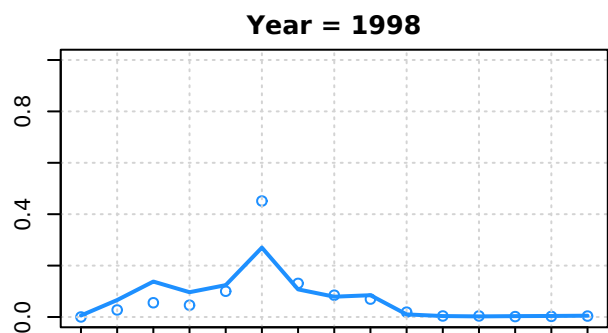
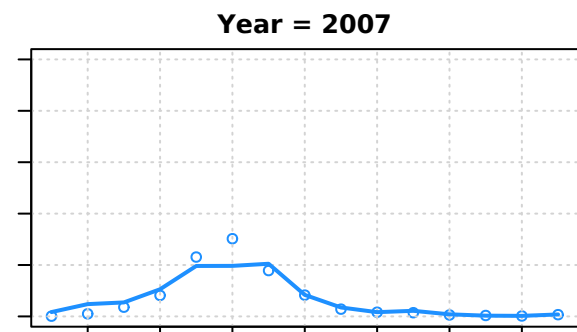
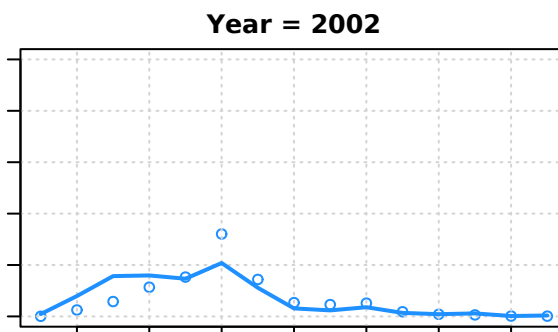
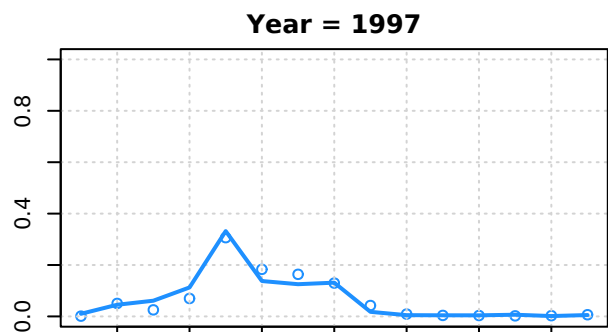
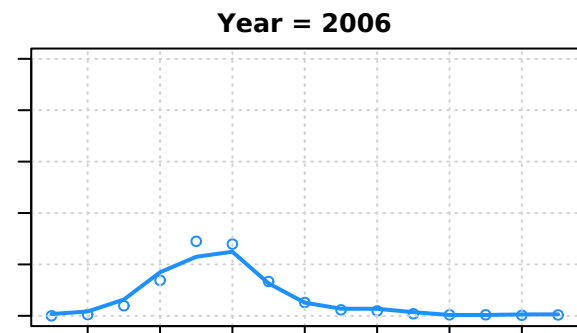
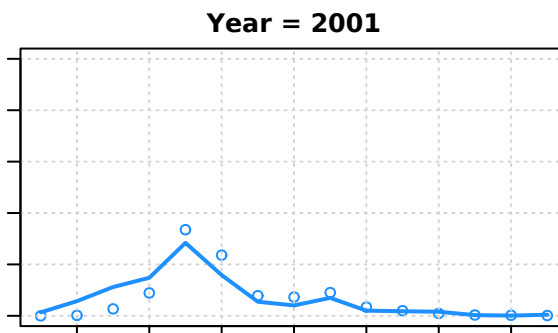
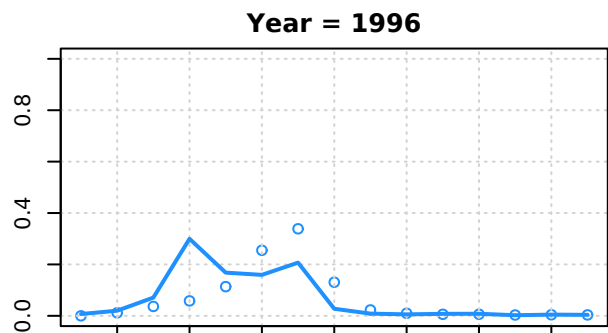
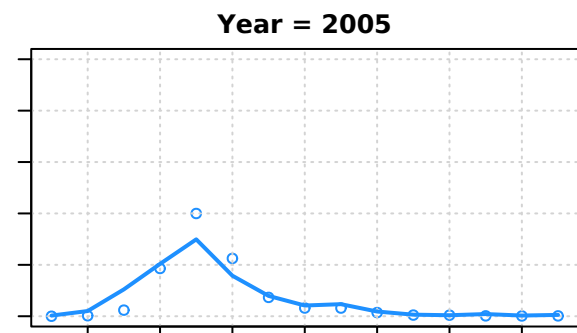
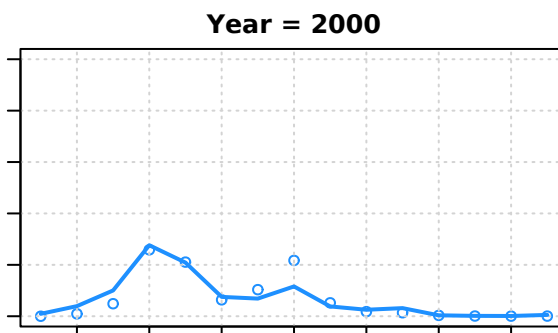
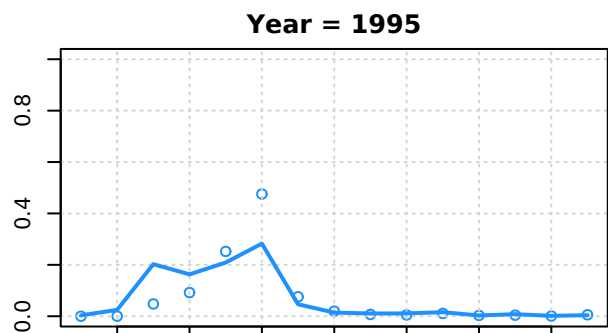
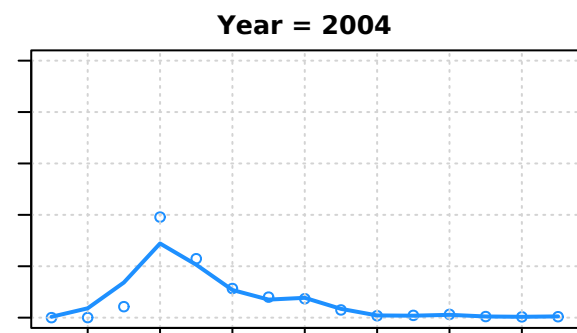
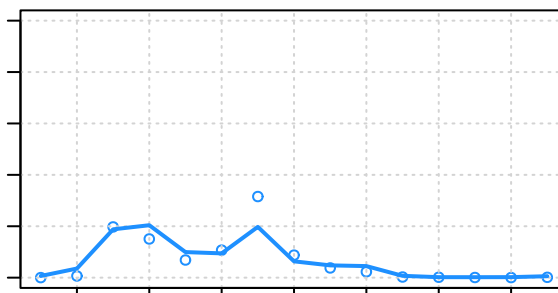
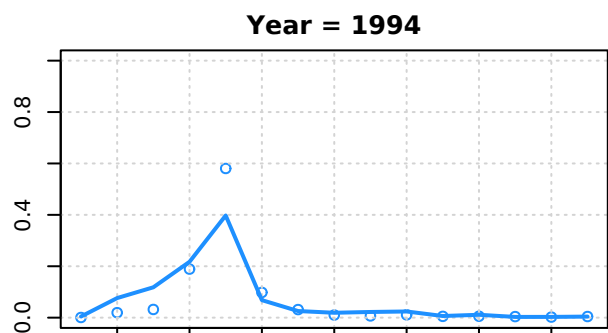


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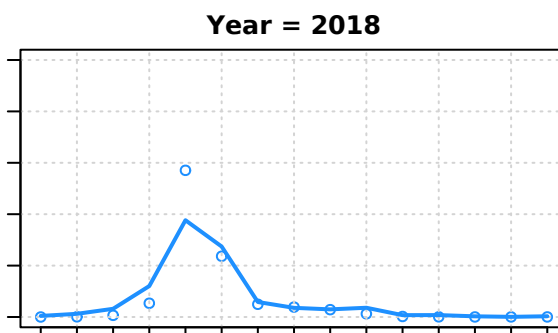
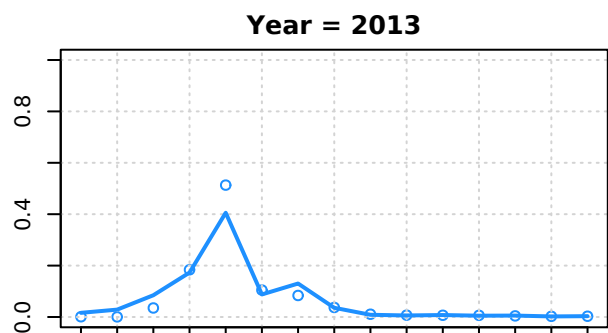
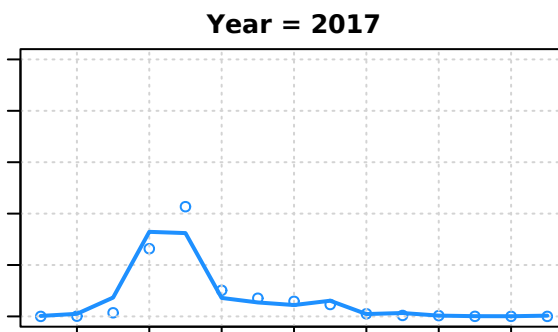
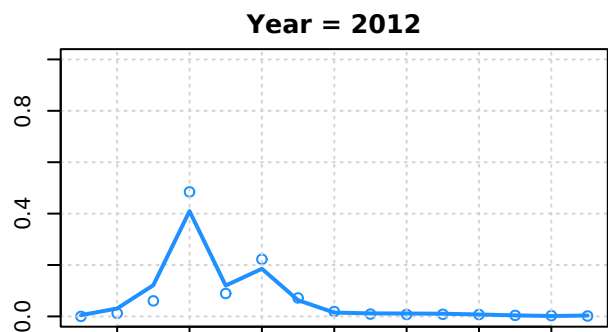
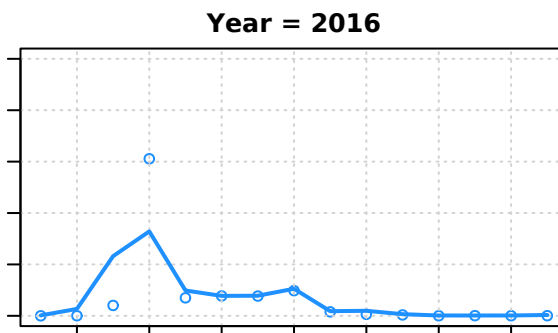
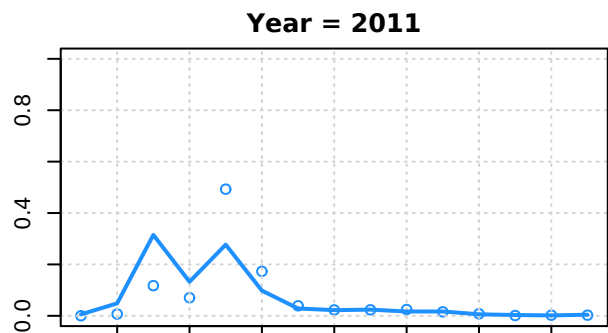
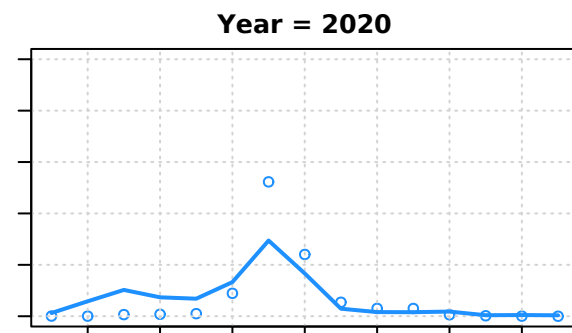
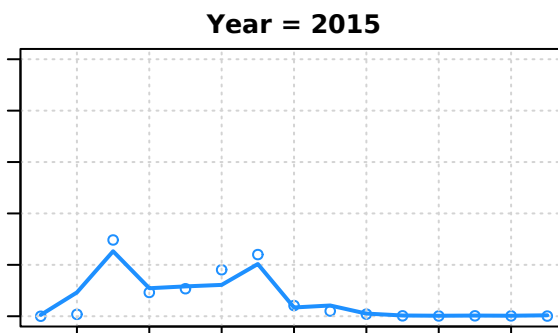
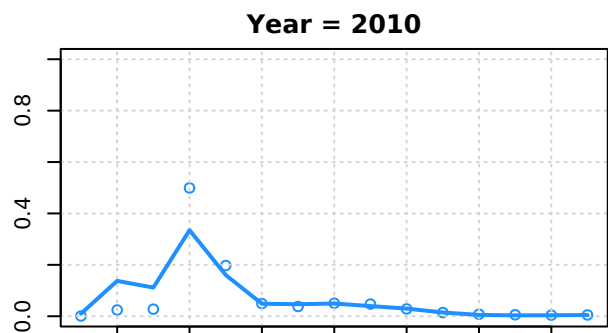
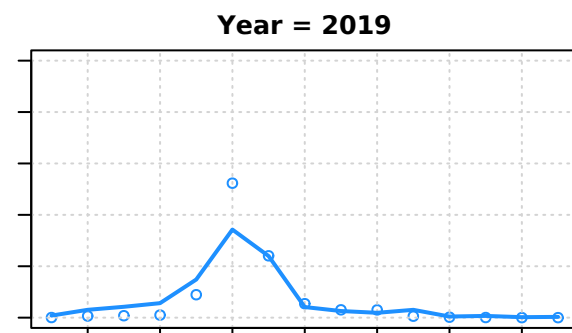
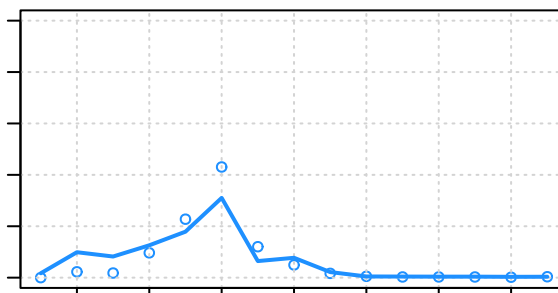
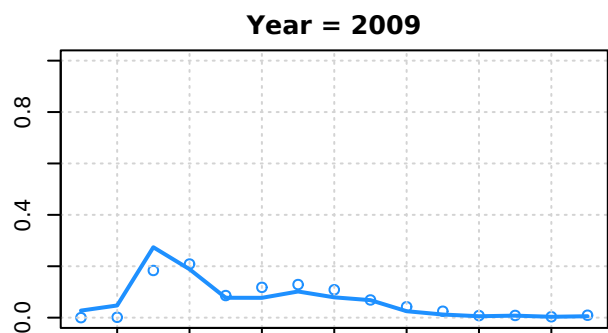


Age

Fleet 1
Year = 1999

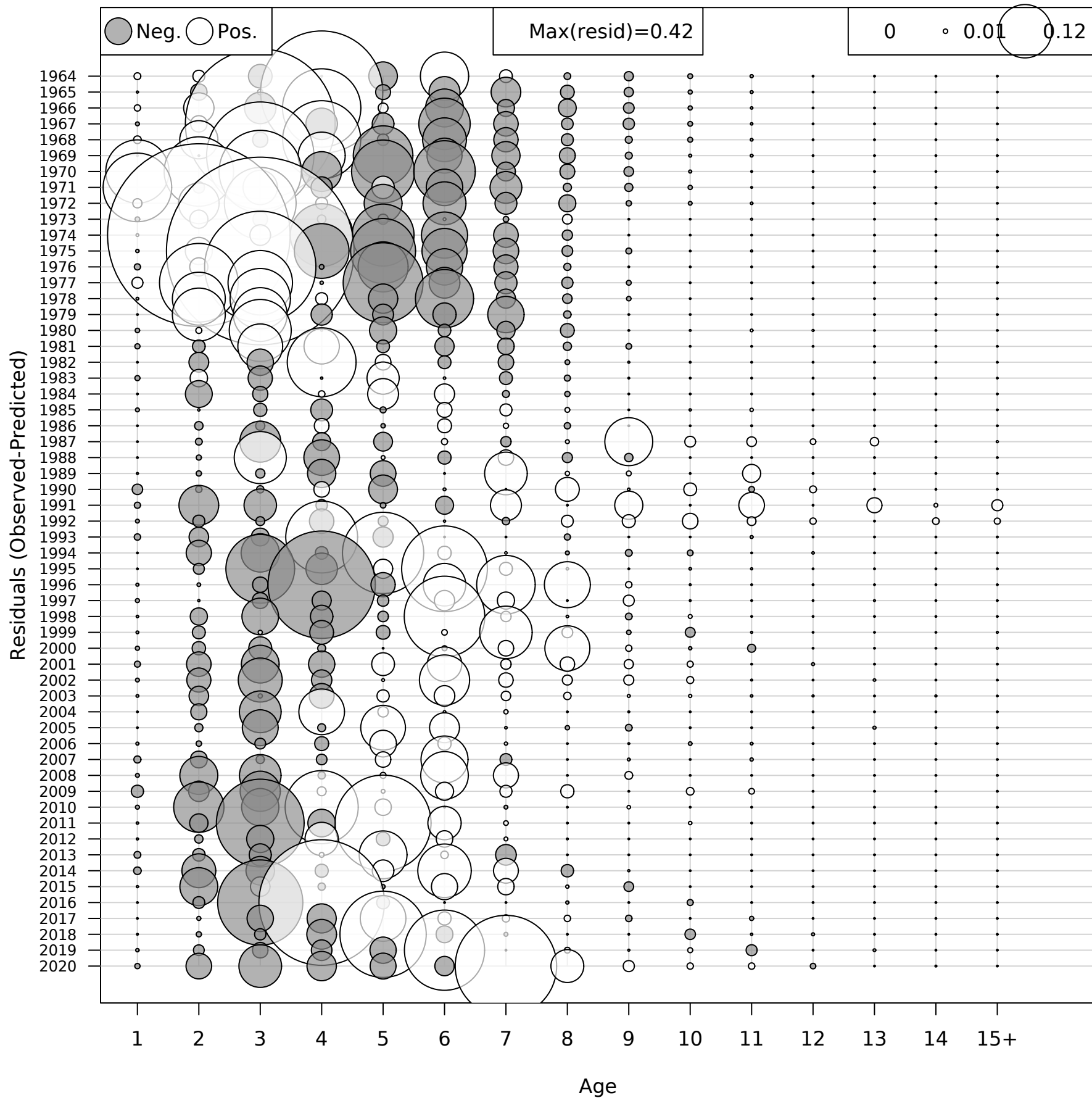


Fleet 1
Year = 2014

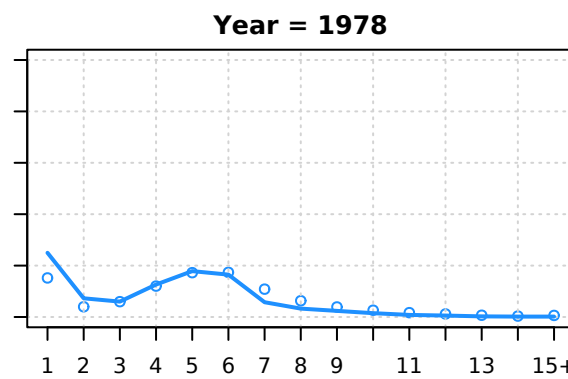
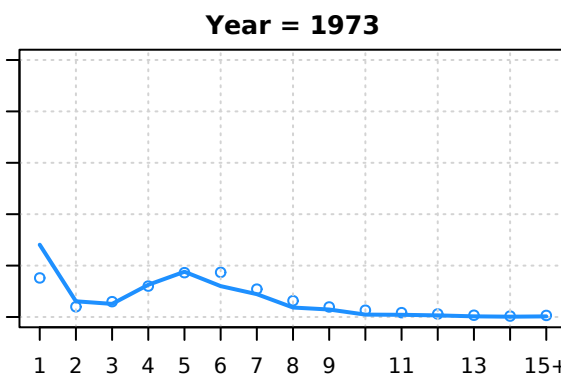
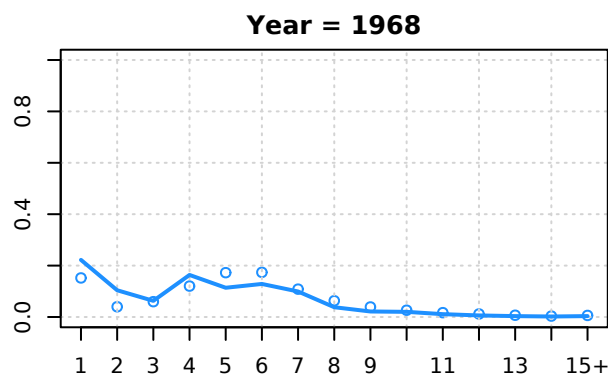
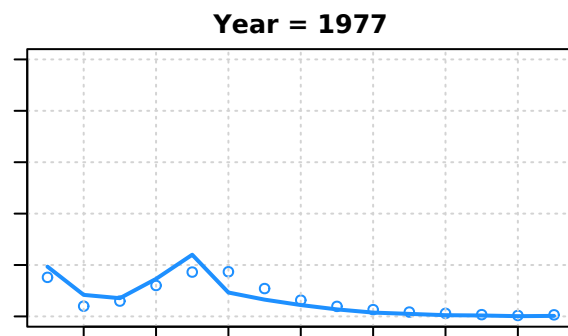
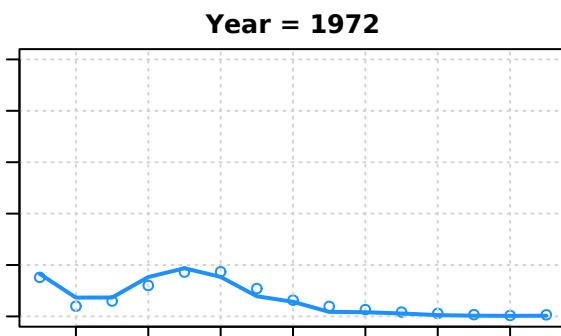
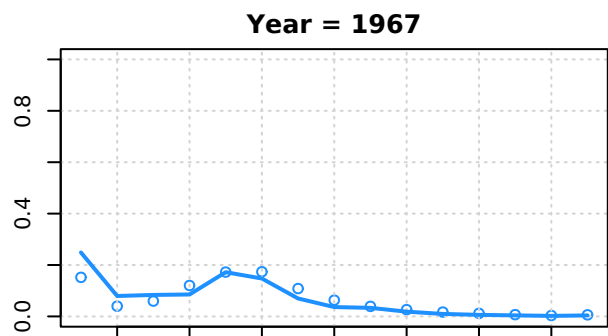
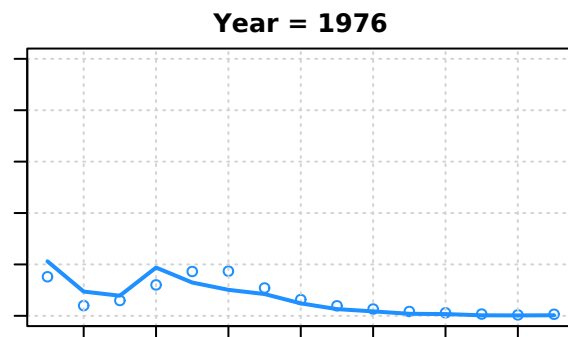
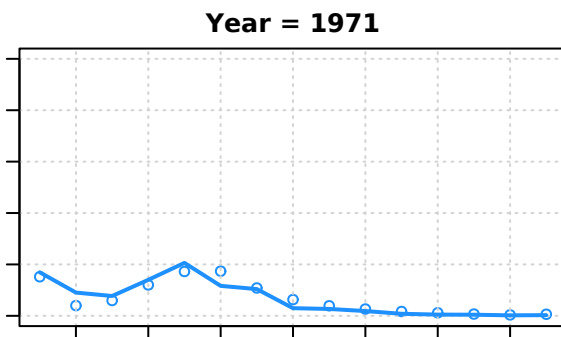
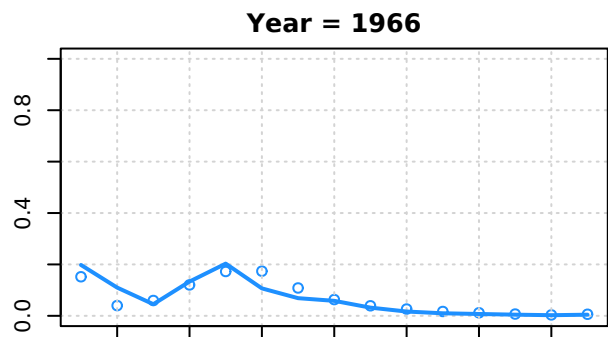
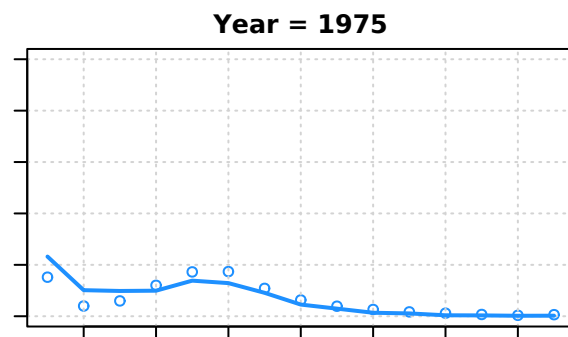
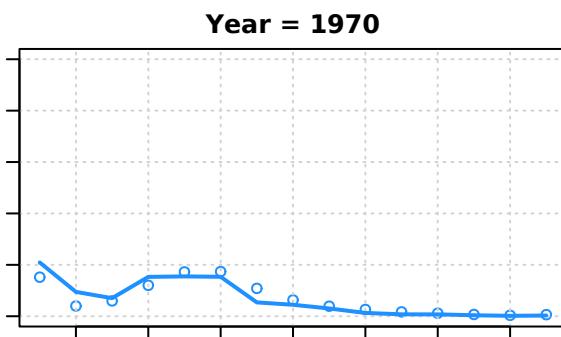
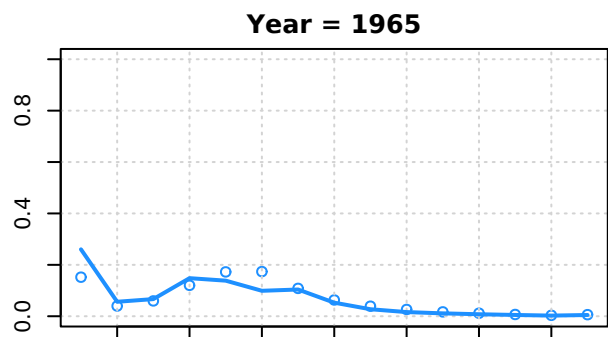
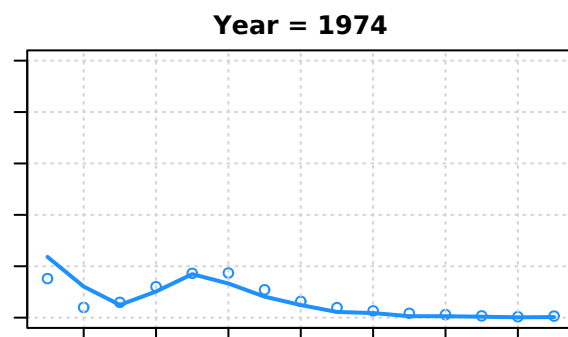
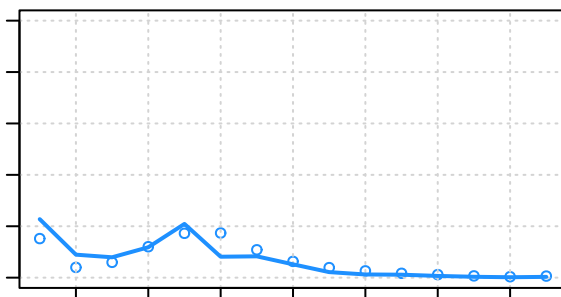
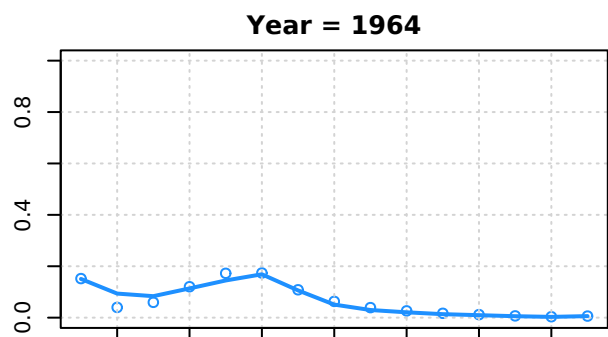


Age

Age Comp Residuals for Catch by Fleet 1



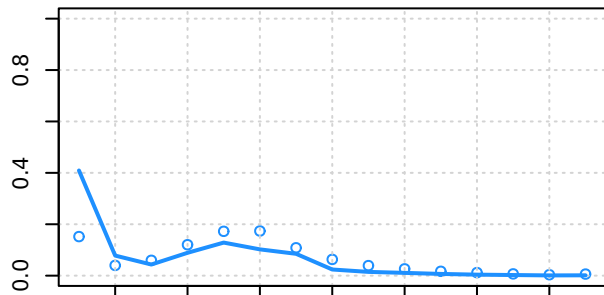
Index 1
Year = 1969



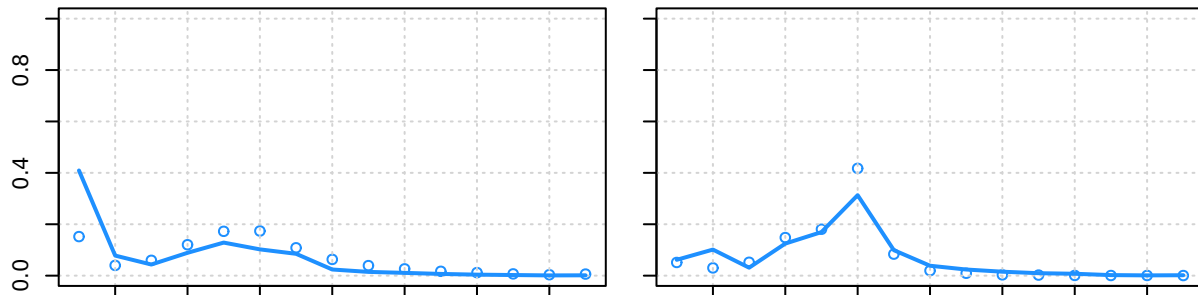
Age

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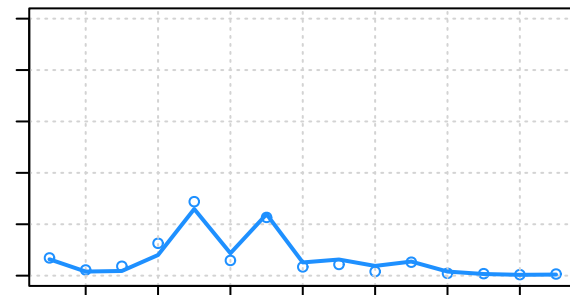
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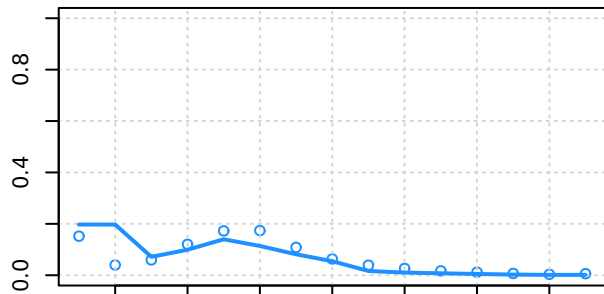
Year = 1984



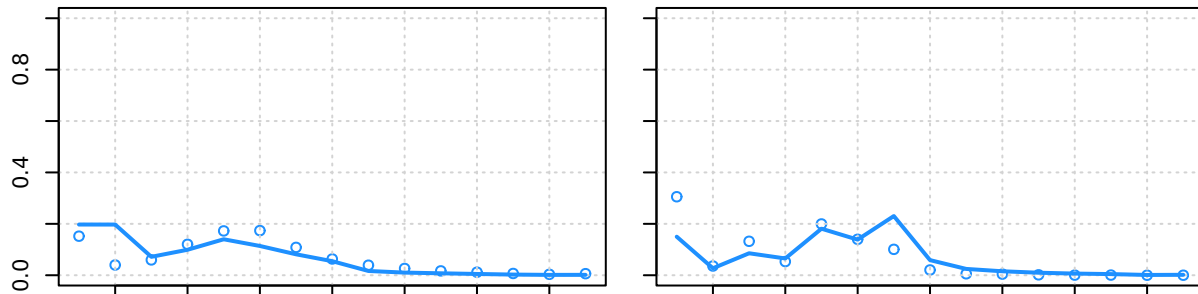
Year = 1989



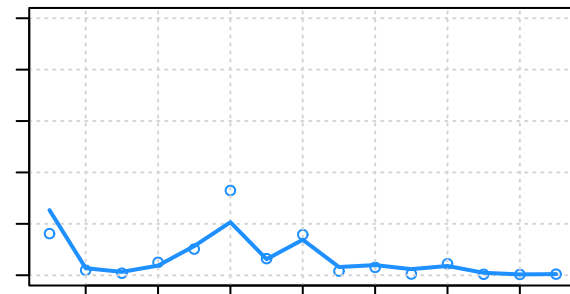
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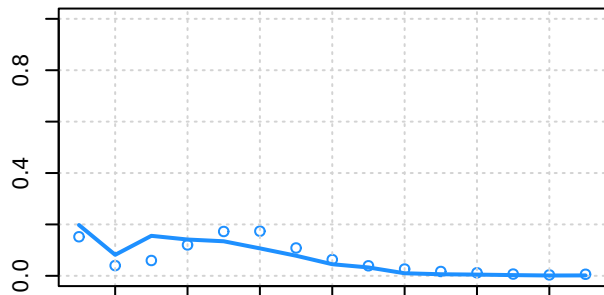
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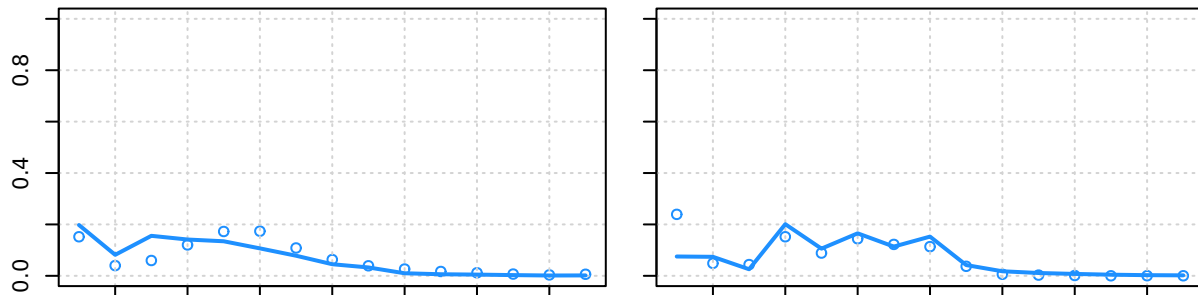
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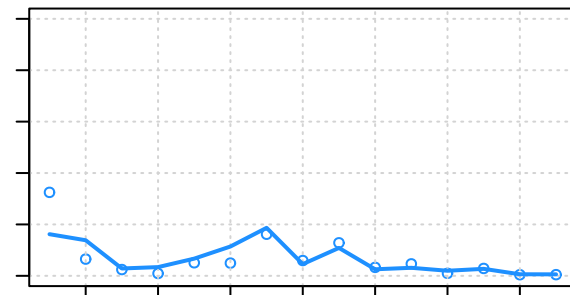
Year = 1981



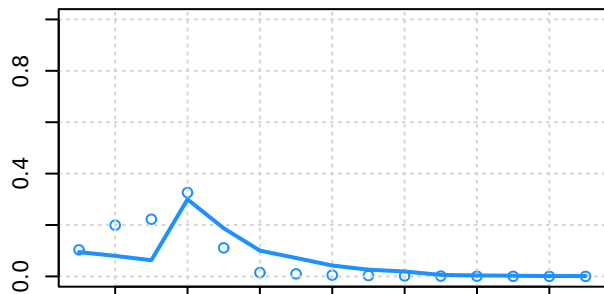
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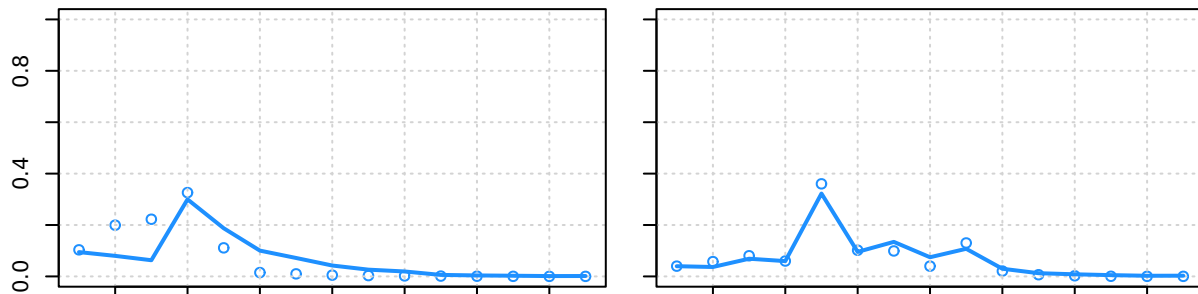
Year = 1991



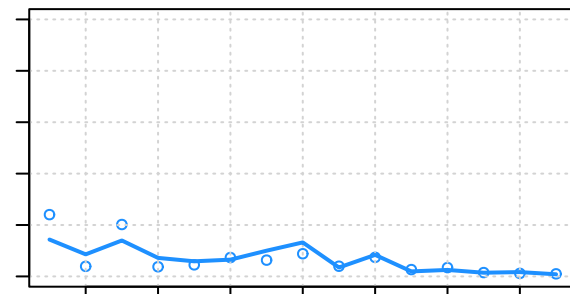
Year = 1982



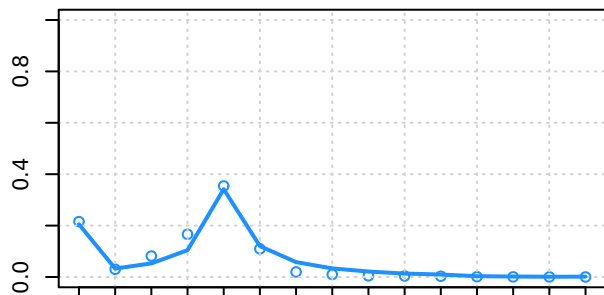
Year = 1987



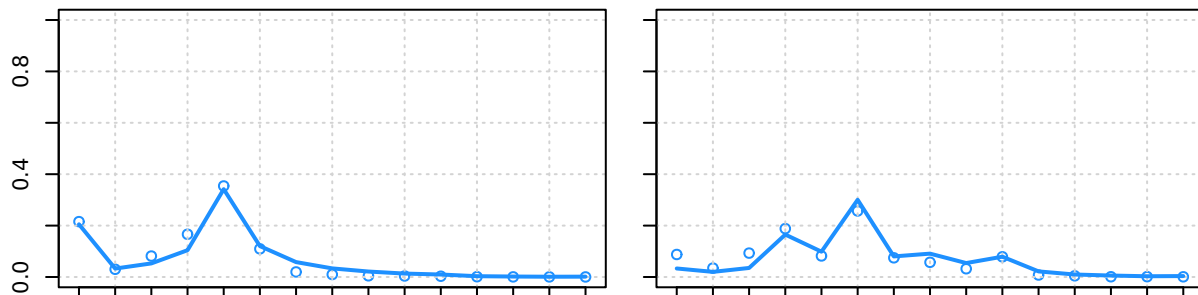
Year = 1992



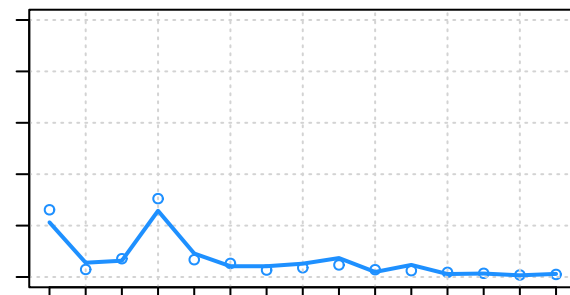
Year = 1983



Year = 1988

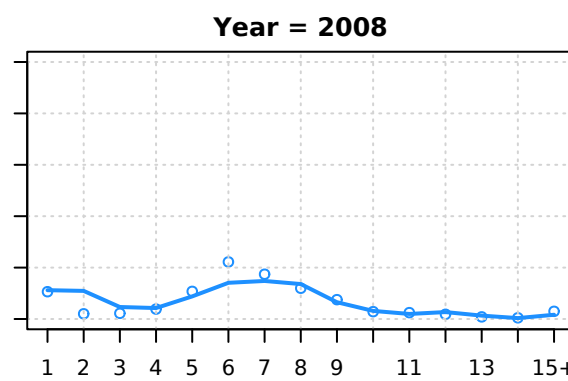
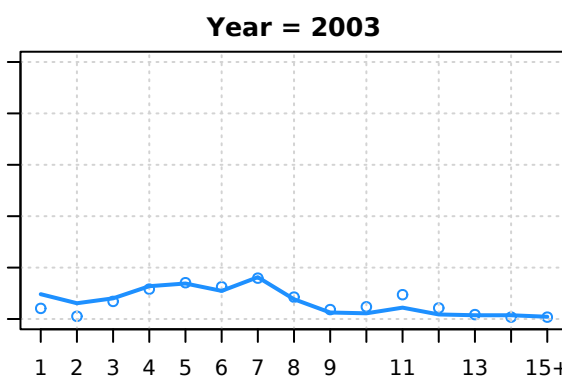
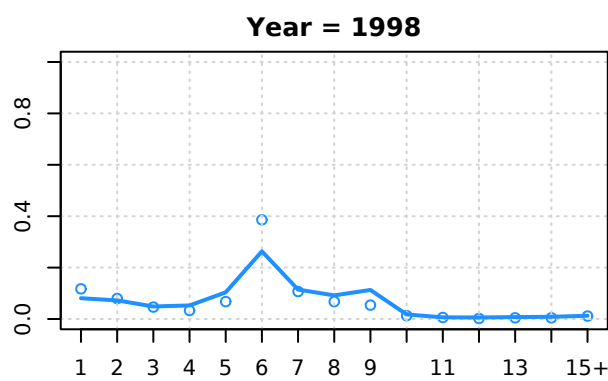
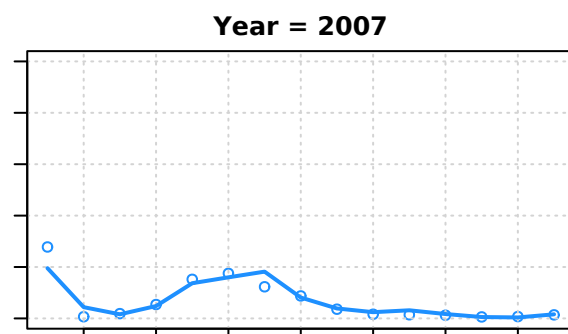
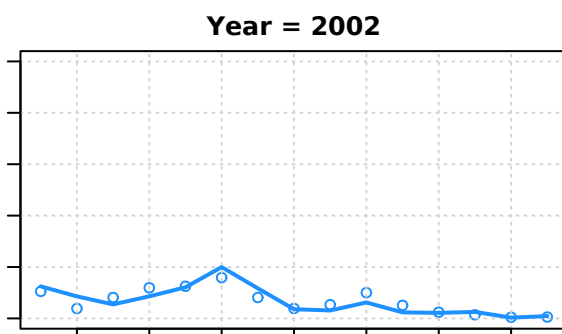
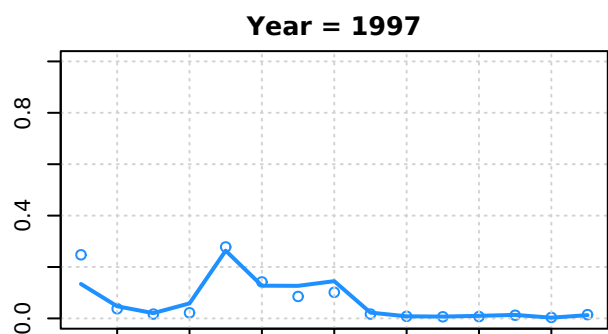
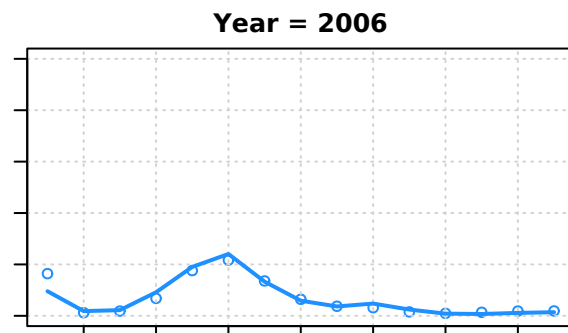
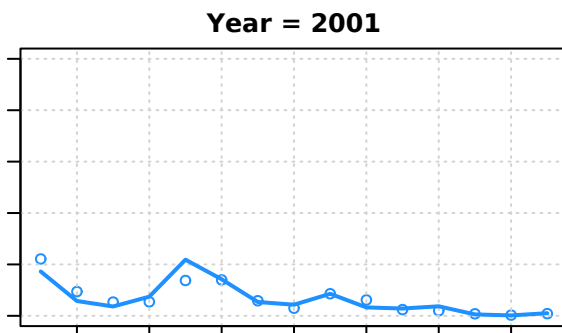
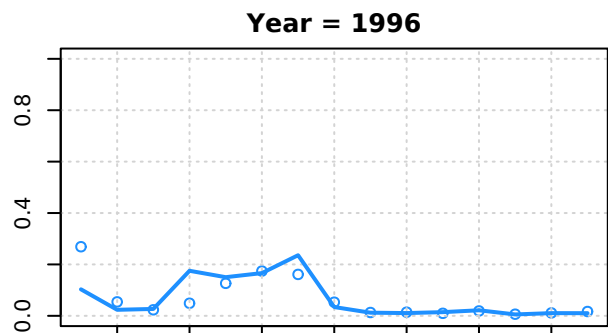
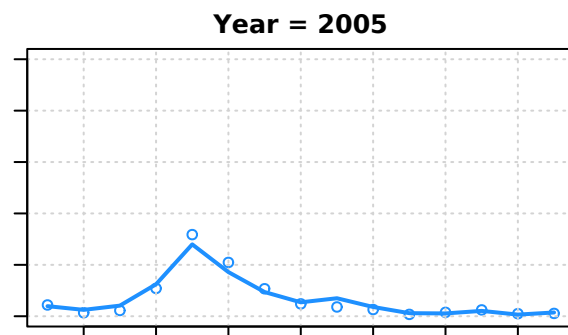
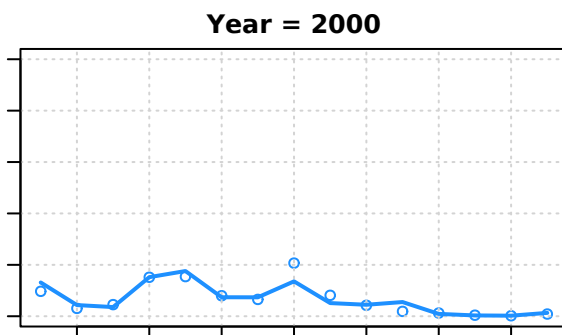
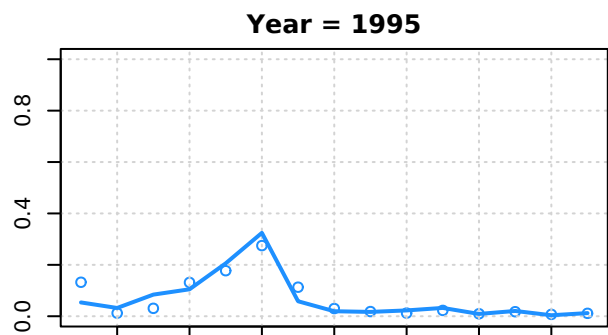
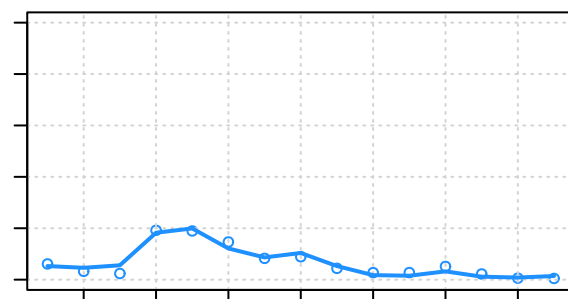
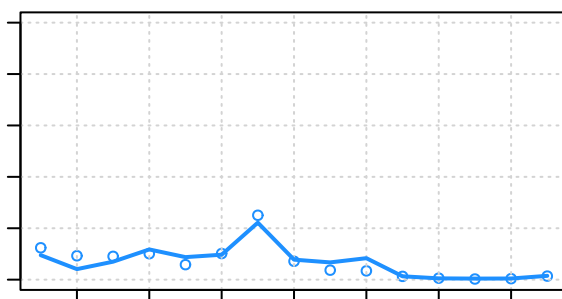
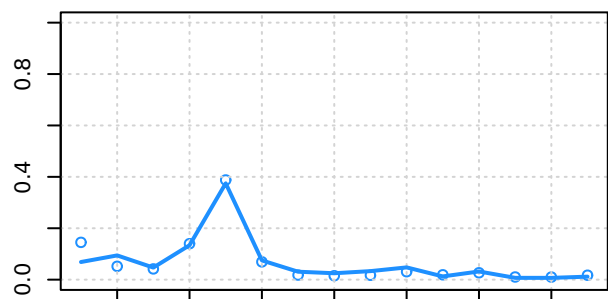


Year = 1993



Age

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Year = 1999



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