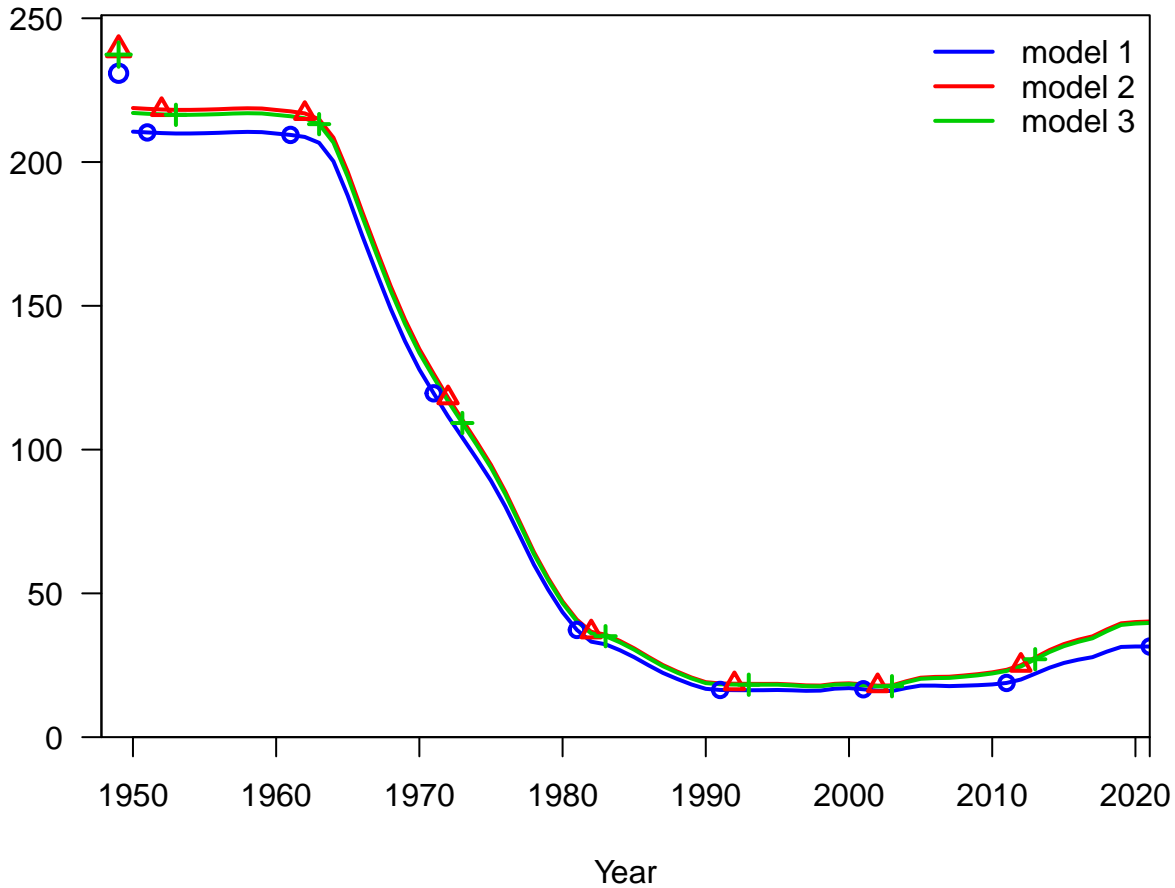
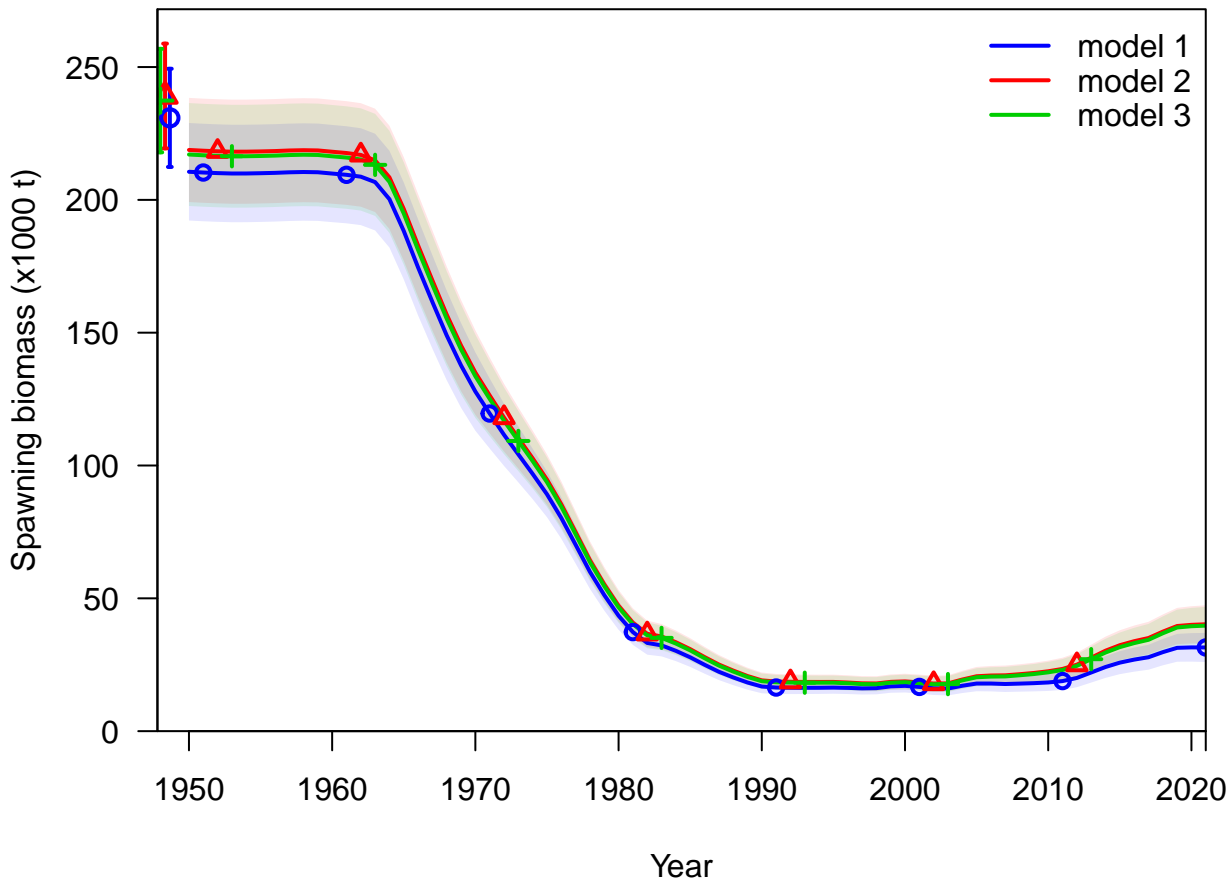
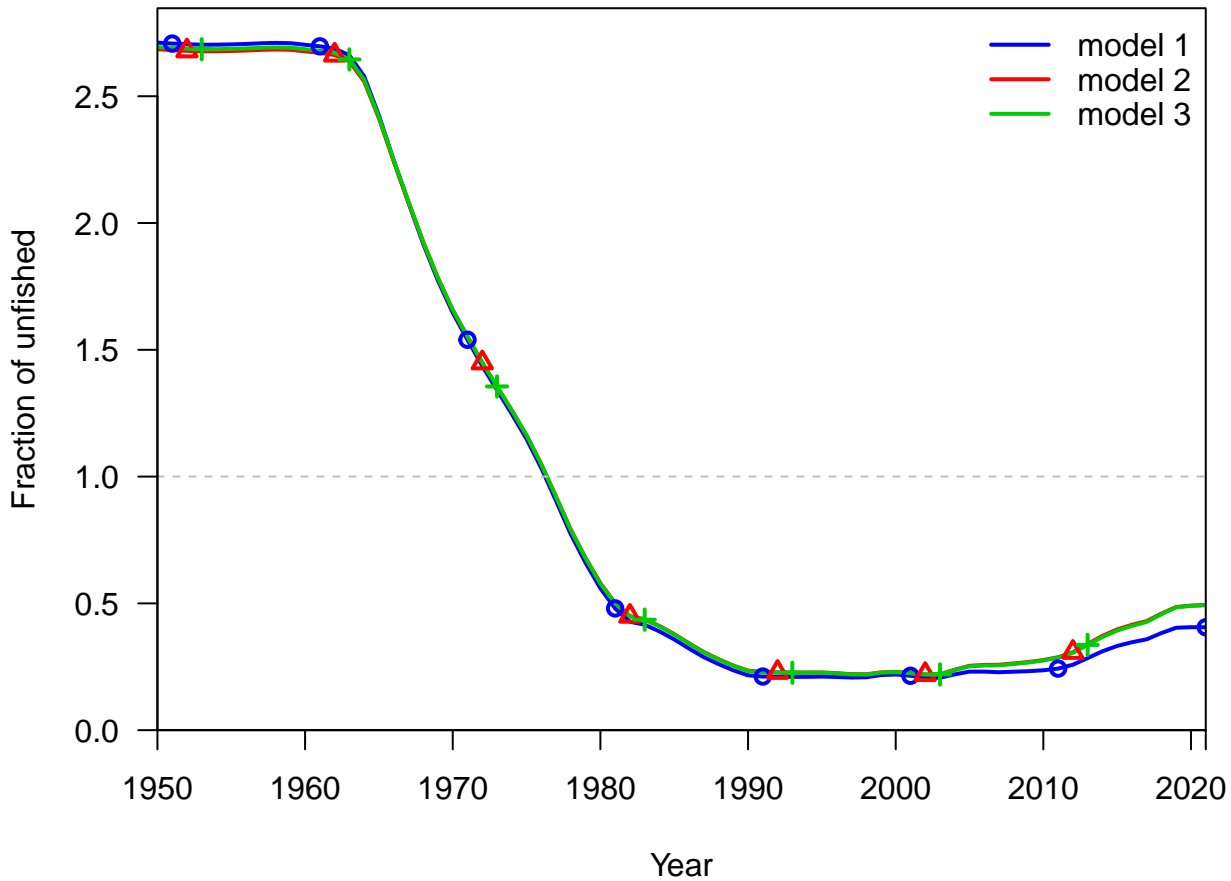


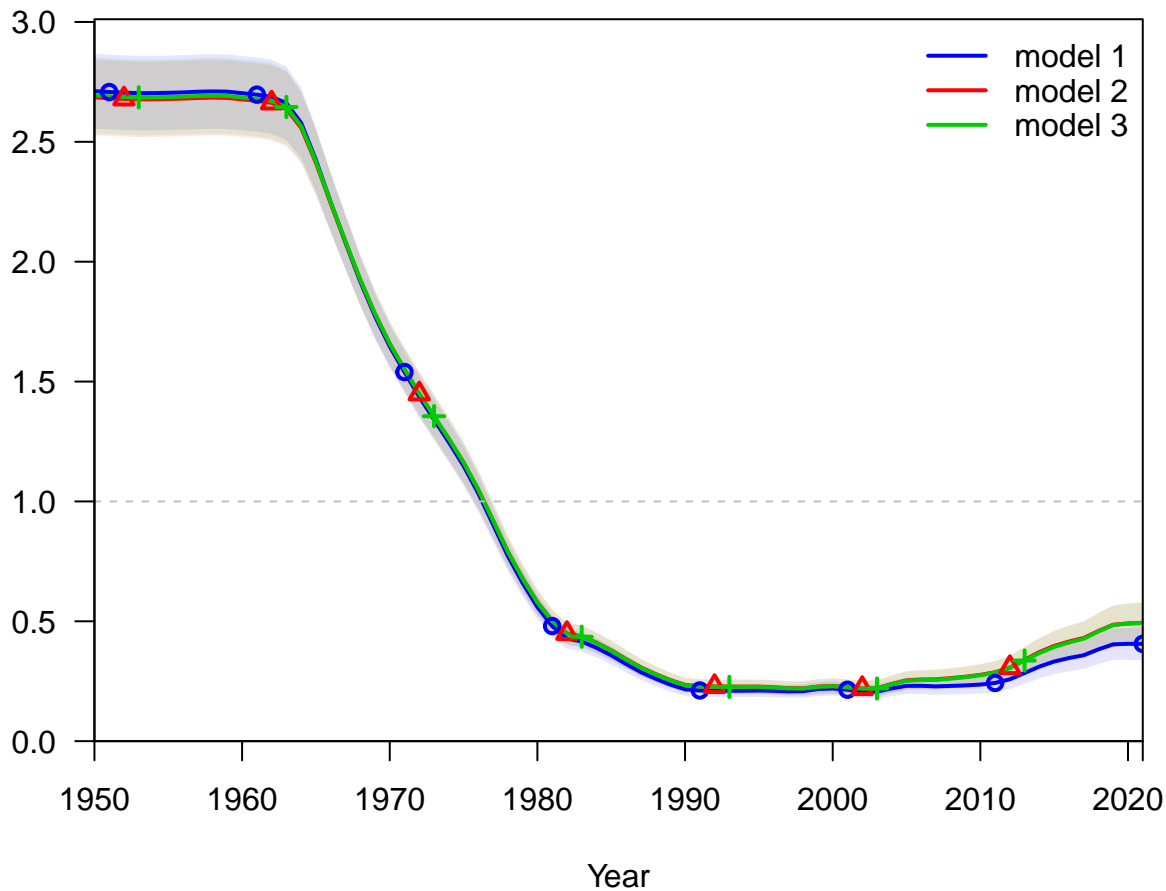
Spawning biomass (x1000 t)

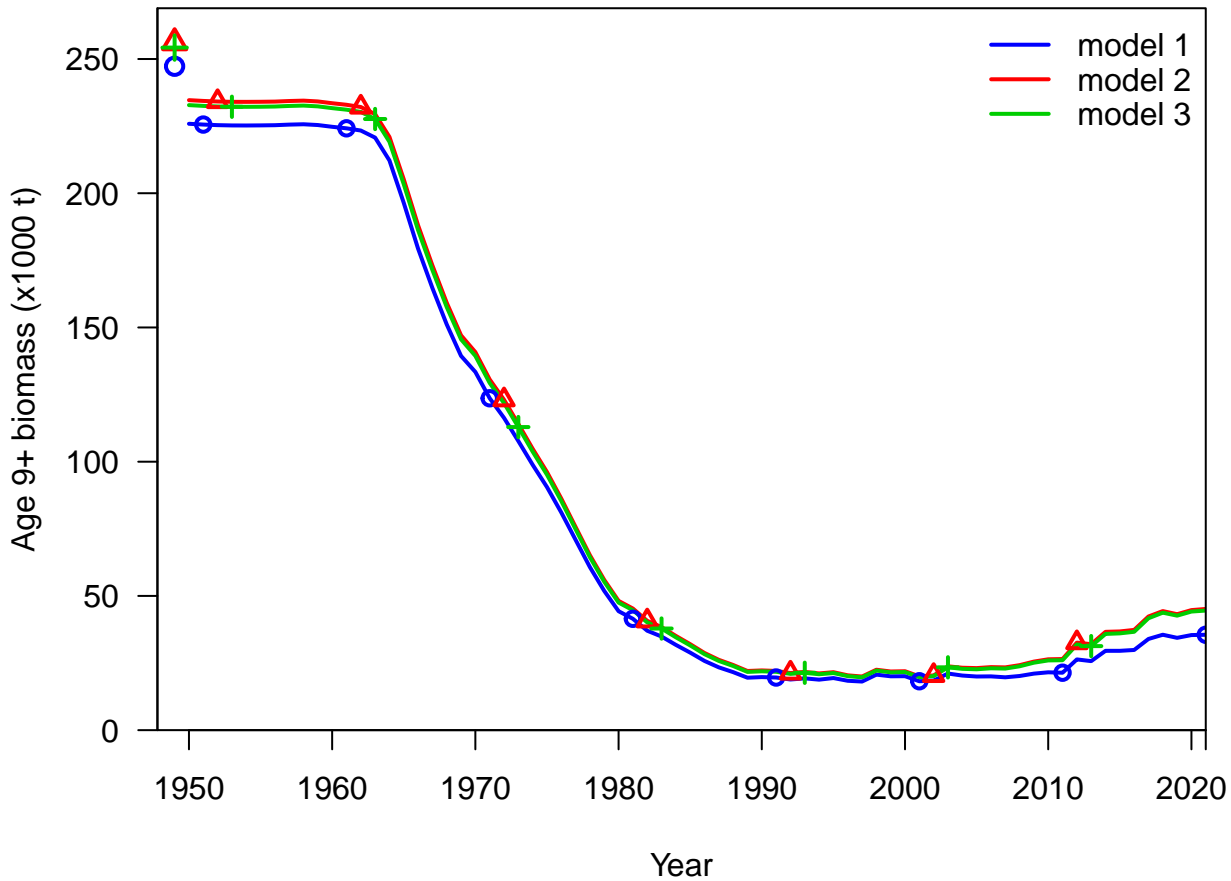


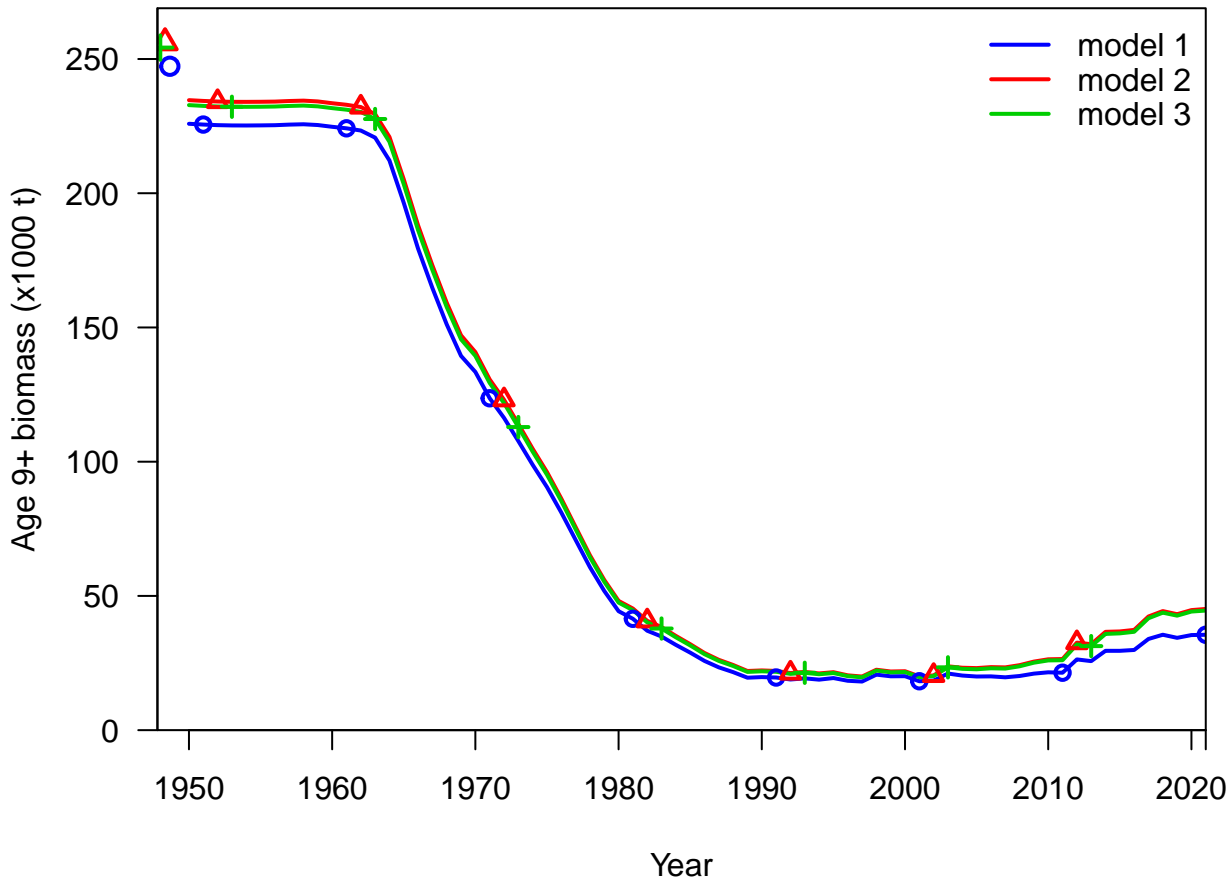


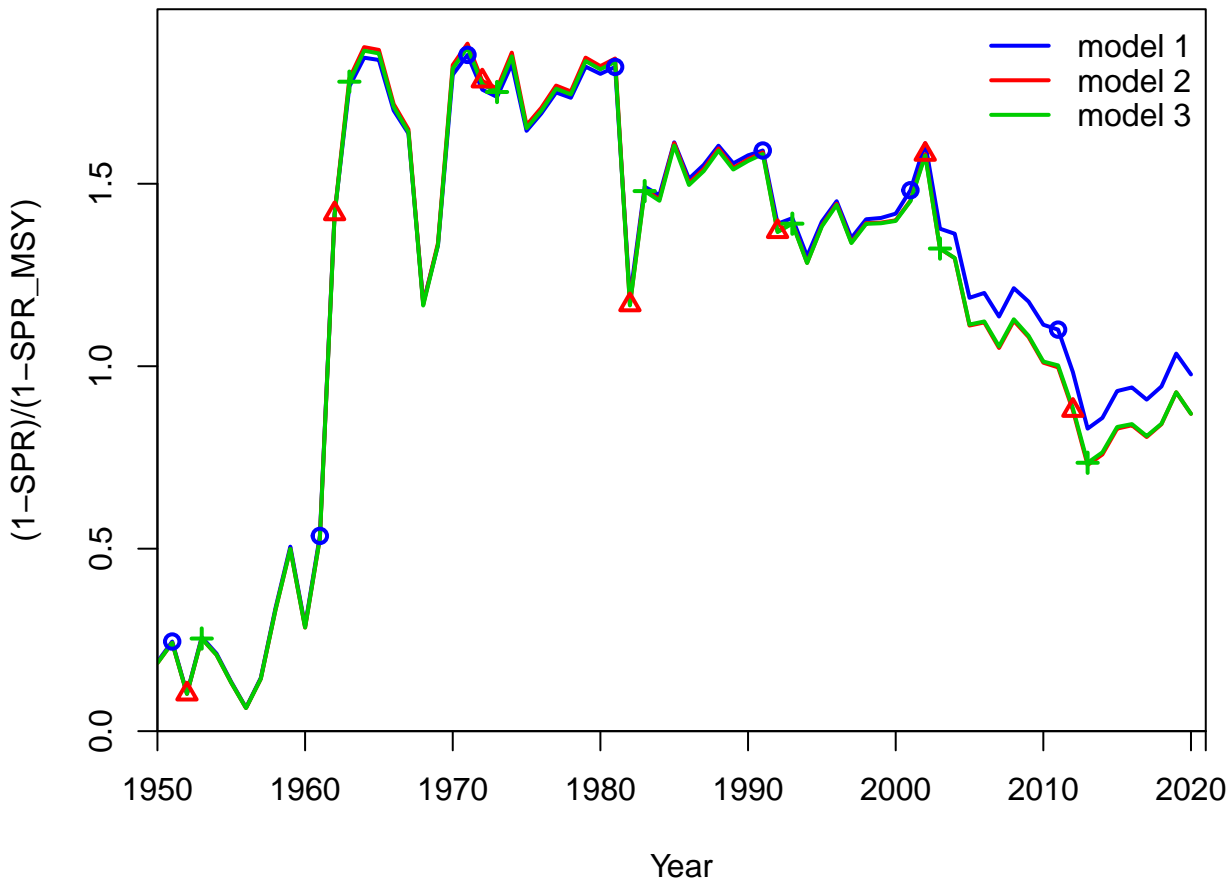


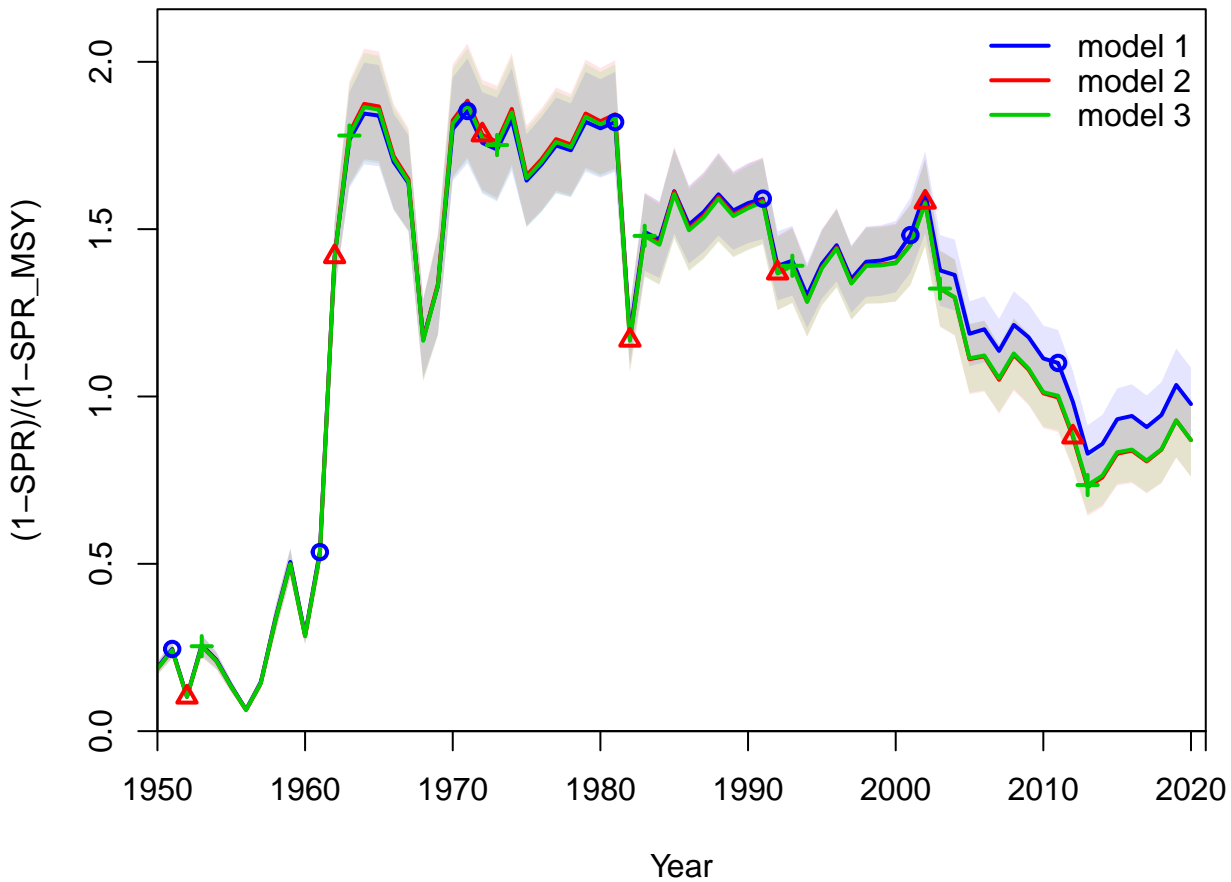
Fraction of unfished



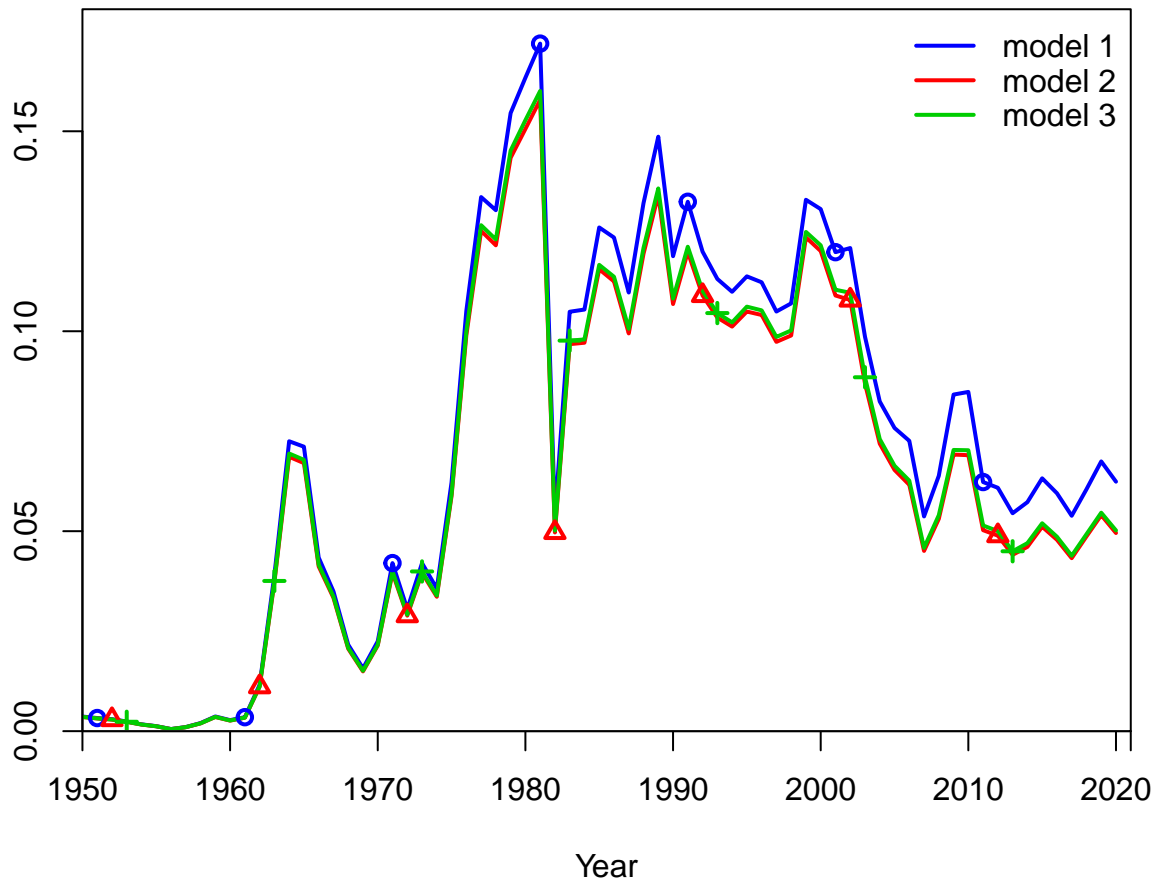




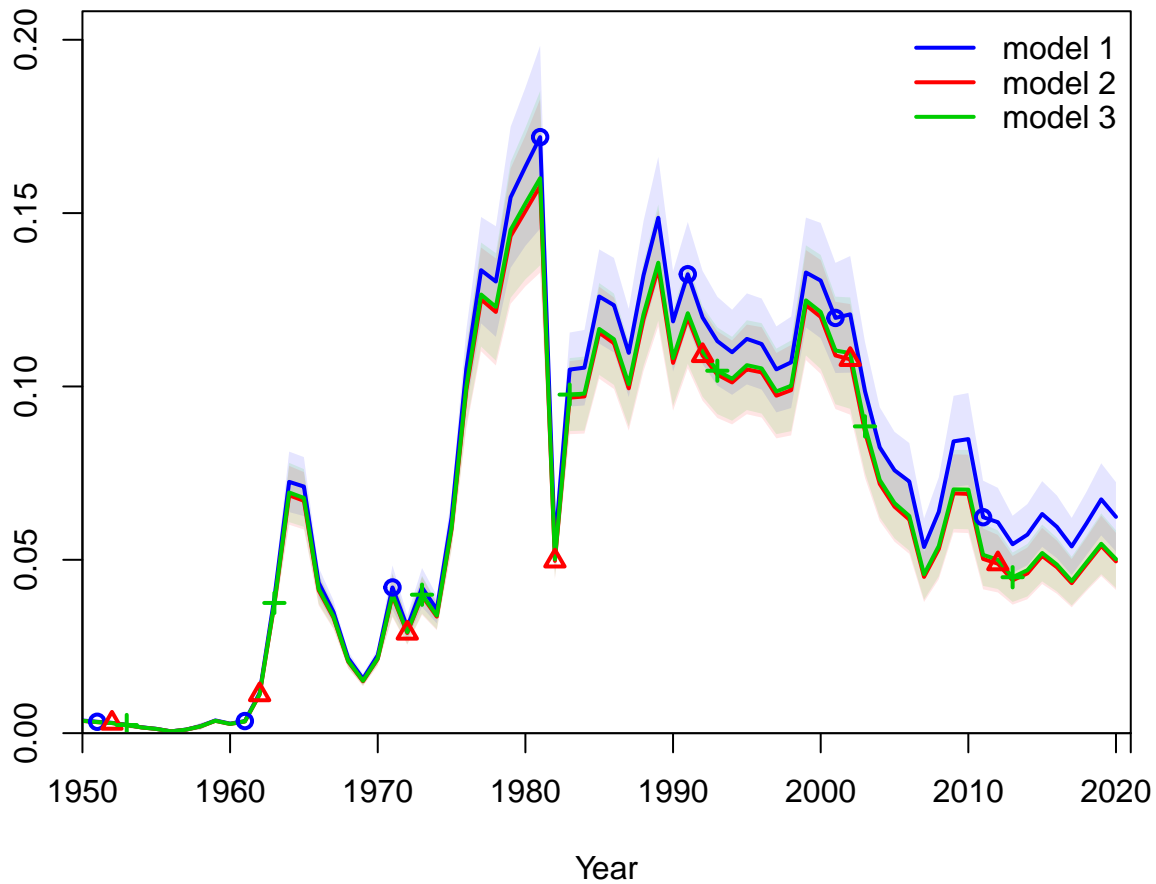


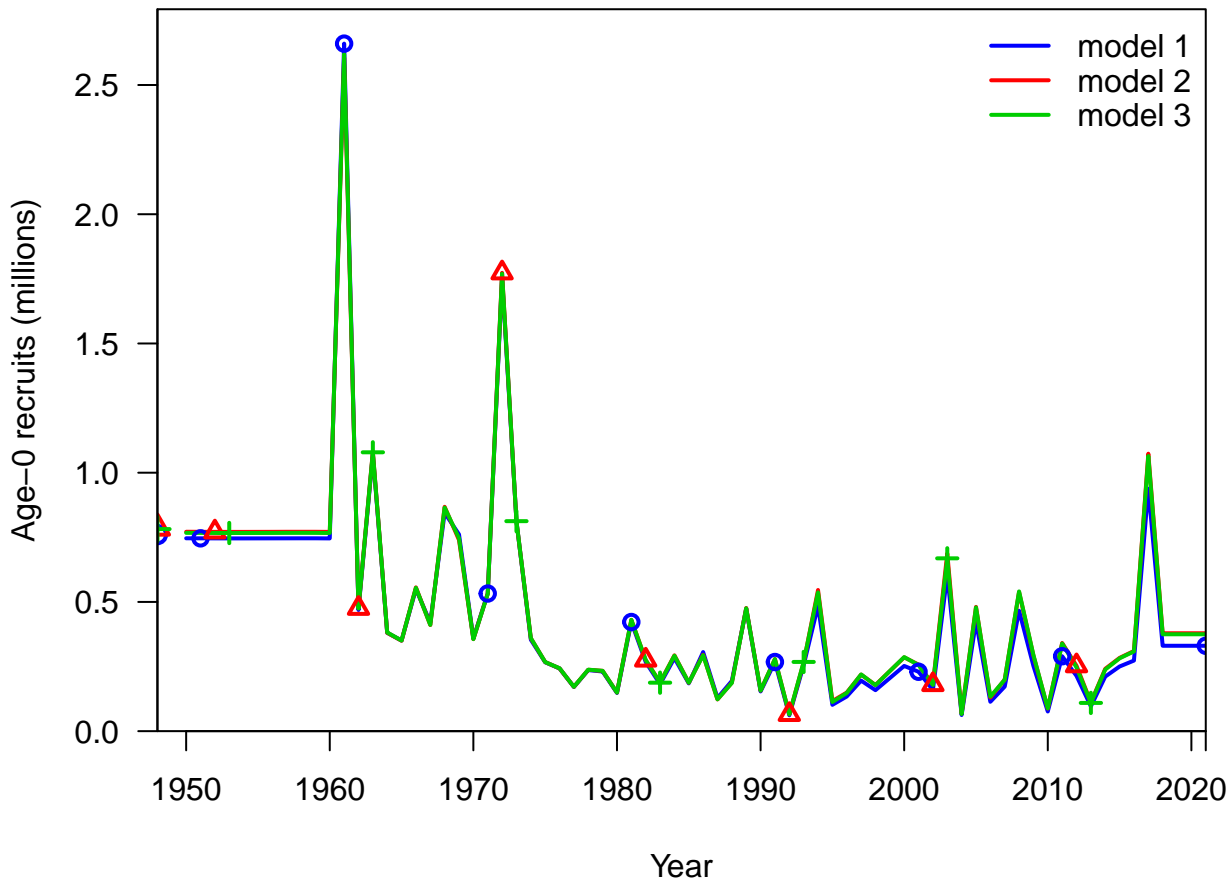


abs F₋ with F=Z-M; for ages 10-20



abs F^- , with $F=Z-M$; for ages 10 20





Age-0 recruits (millions)

model 1
model 2
model 3

3

2

1

0

1950

1960

1970

1980

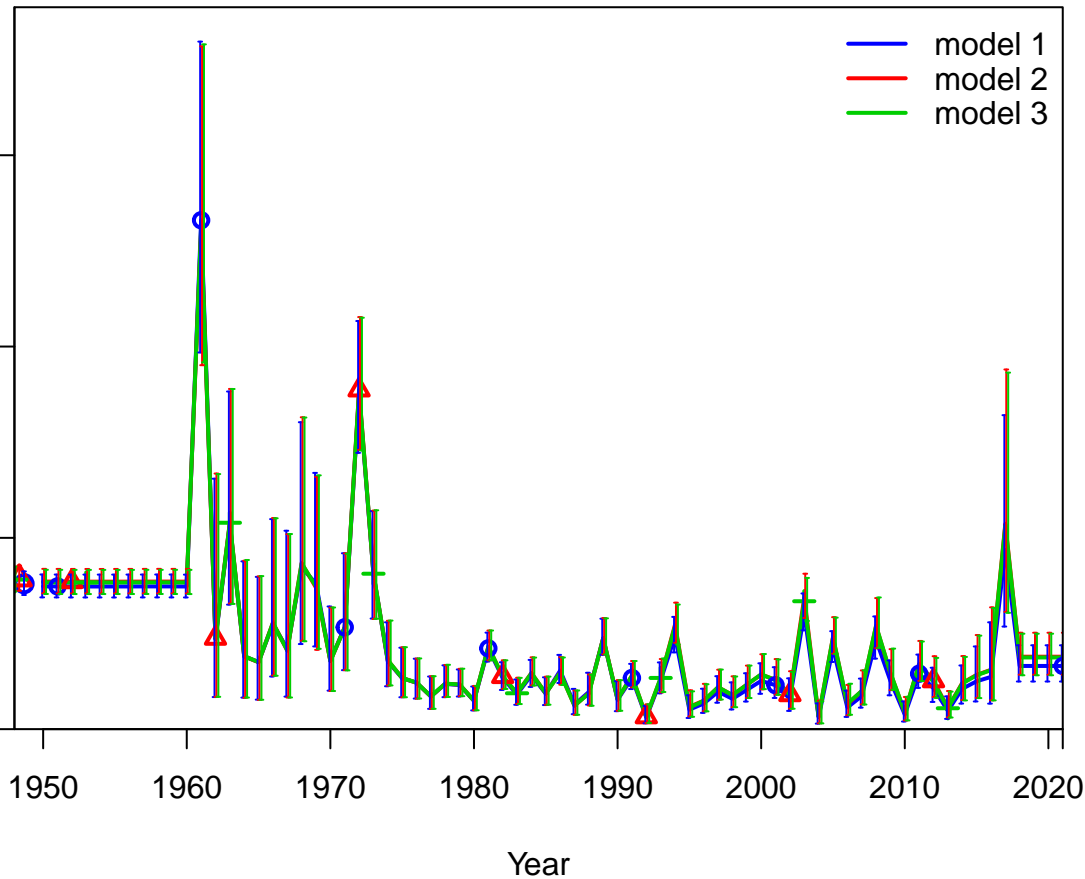
1990

2000

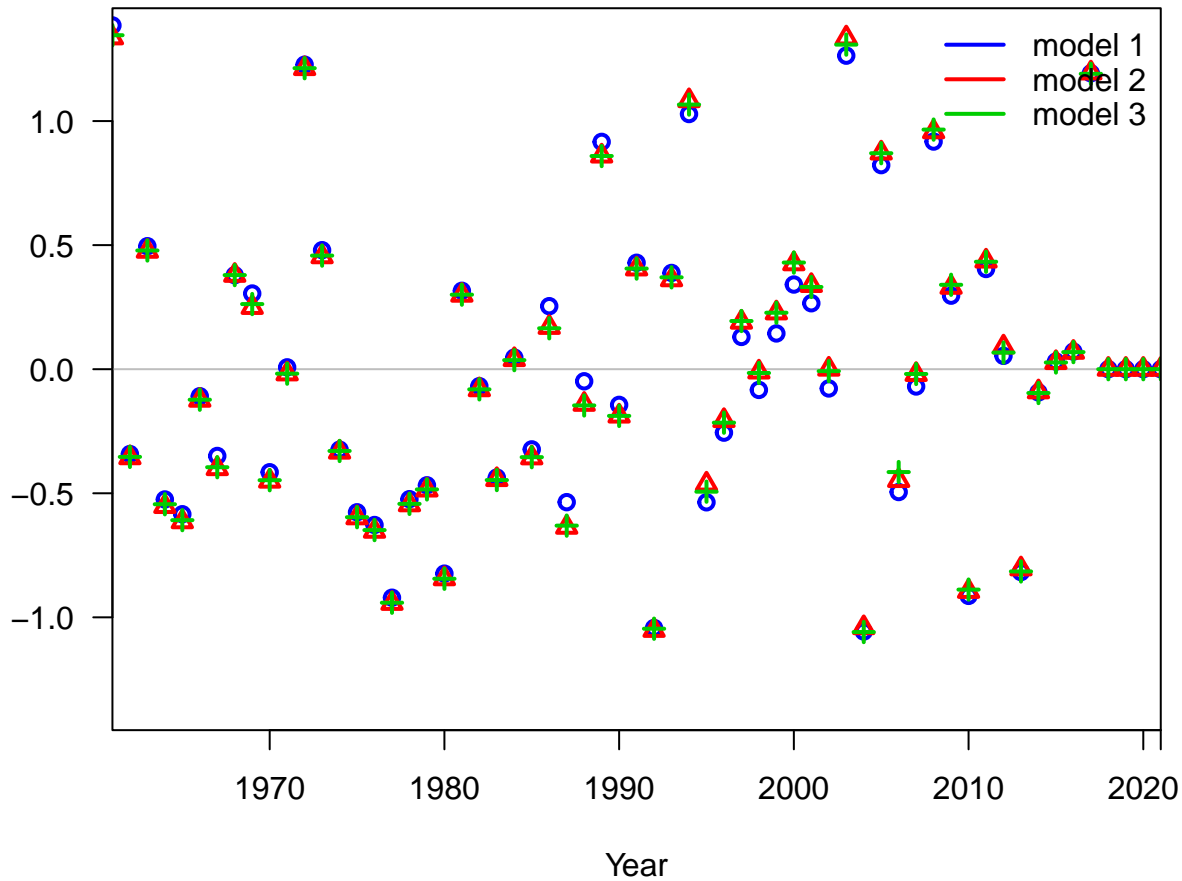
2010

2020

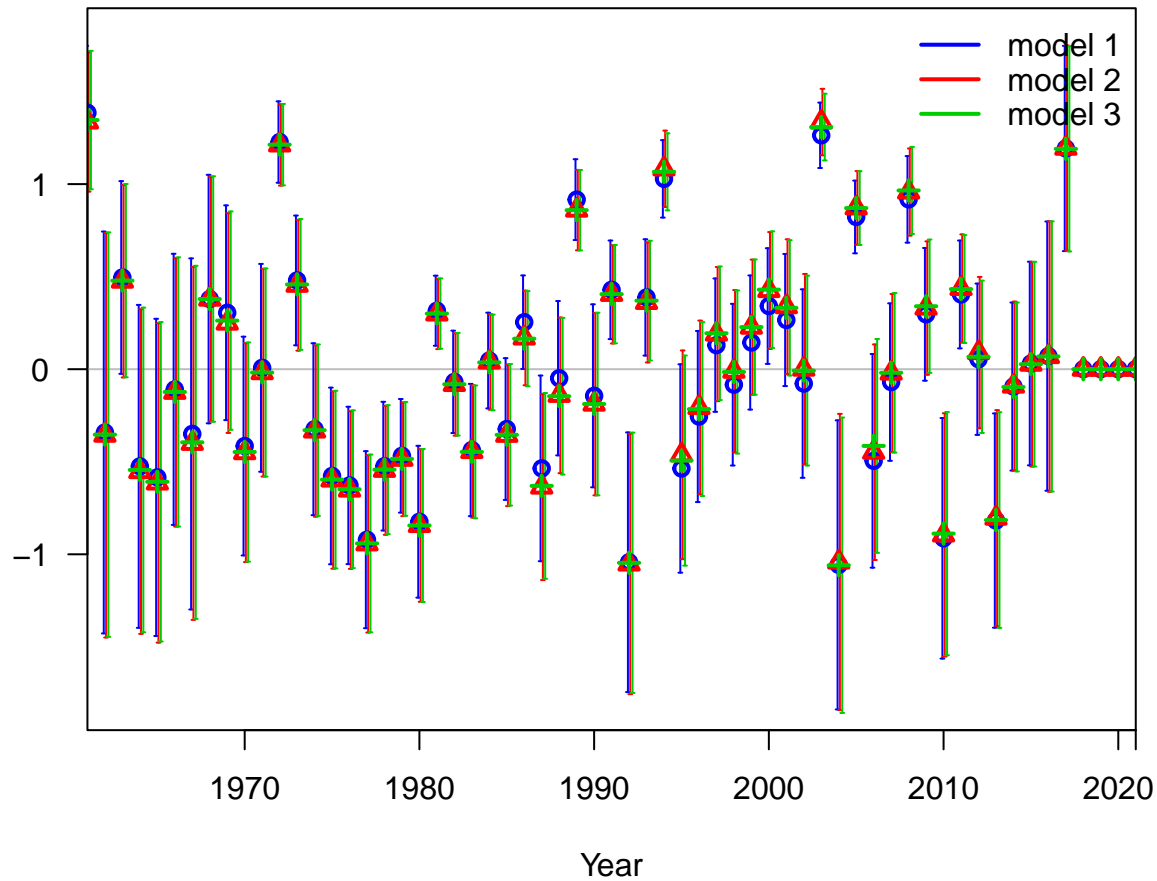
Year



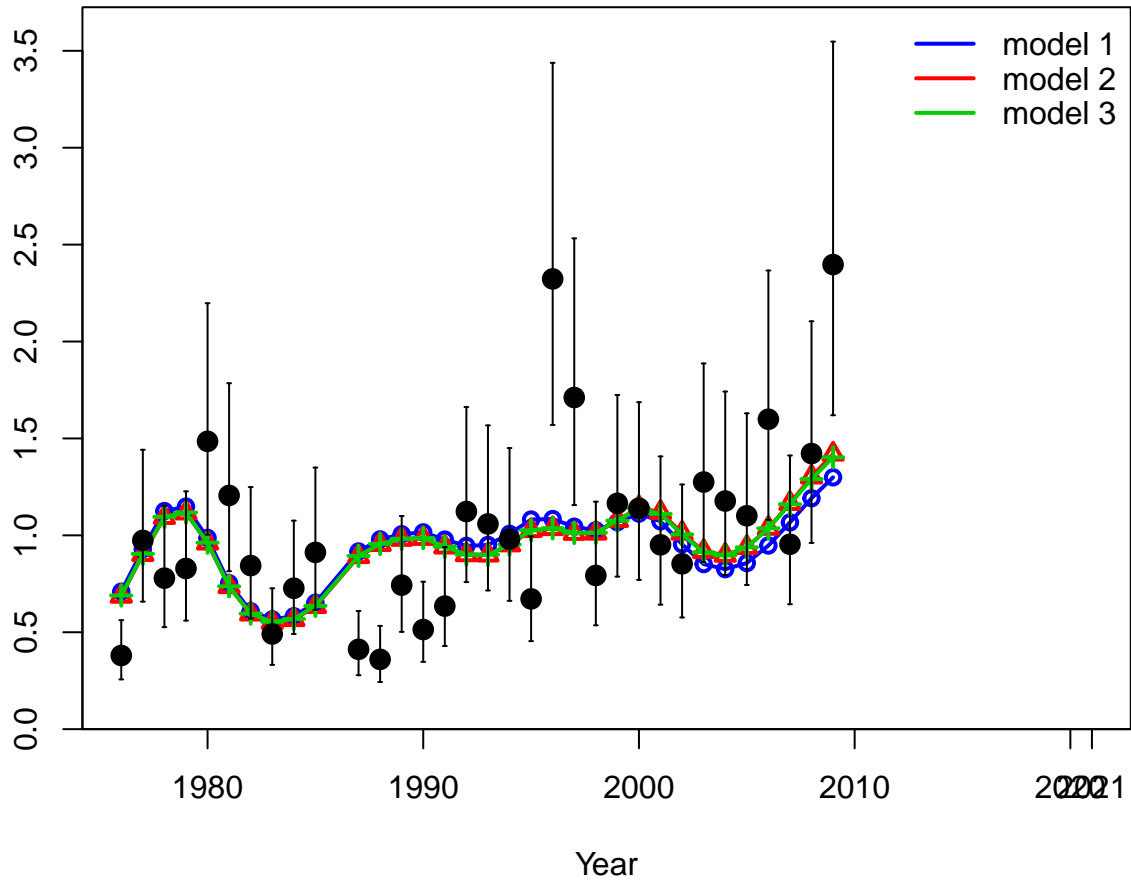
Recruitment deviations



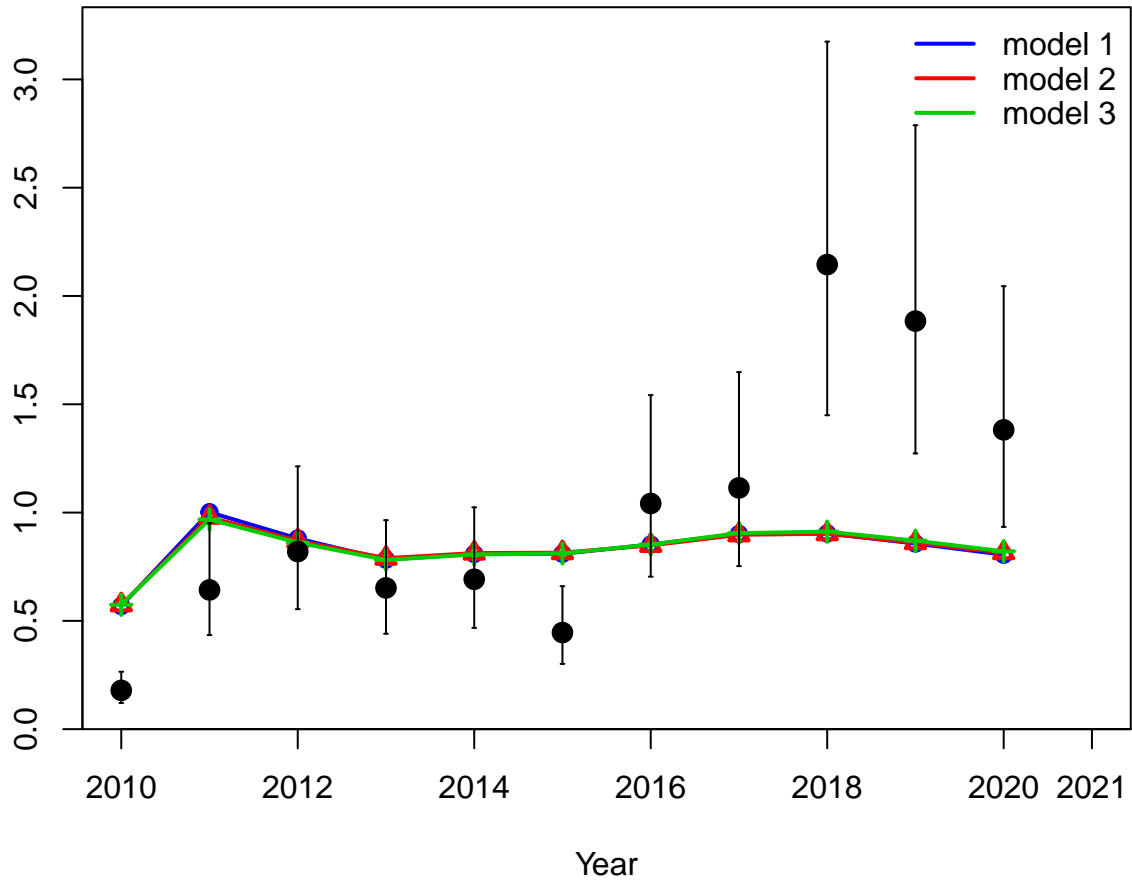
Recruitment deviations



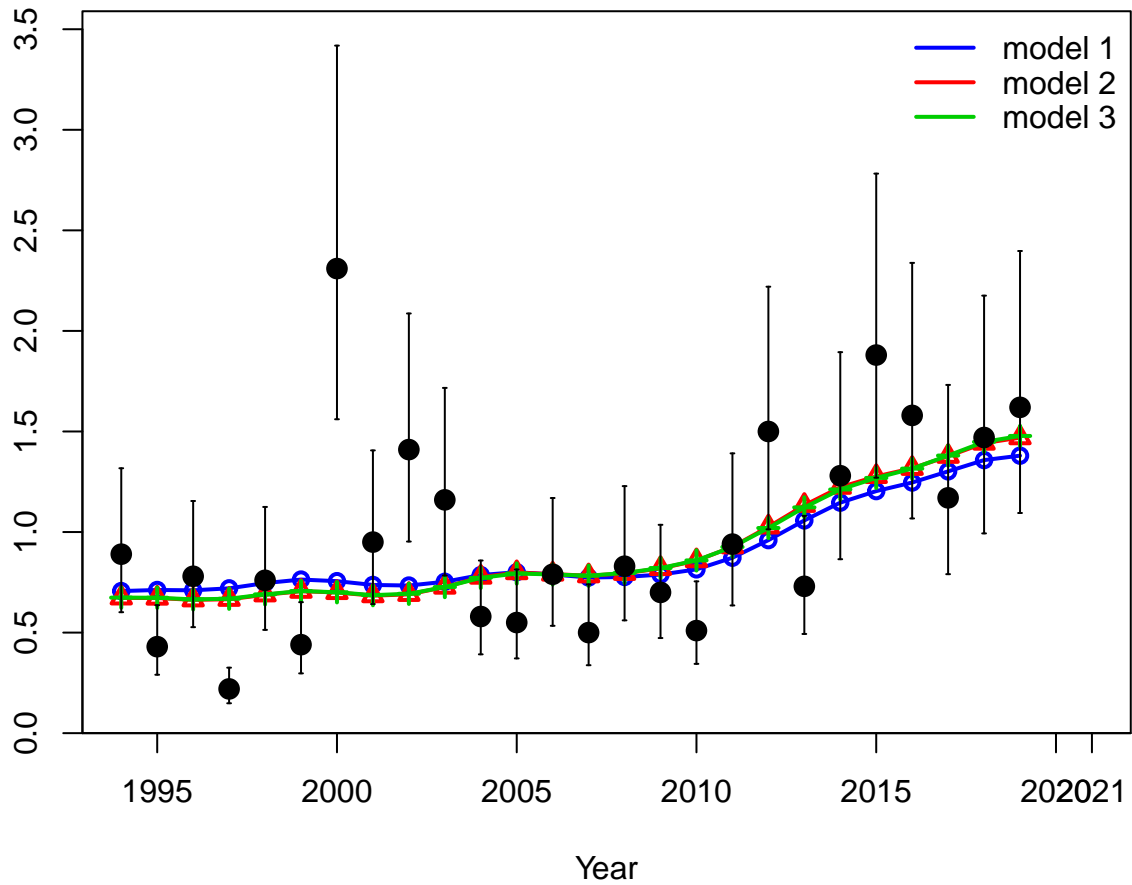
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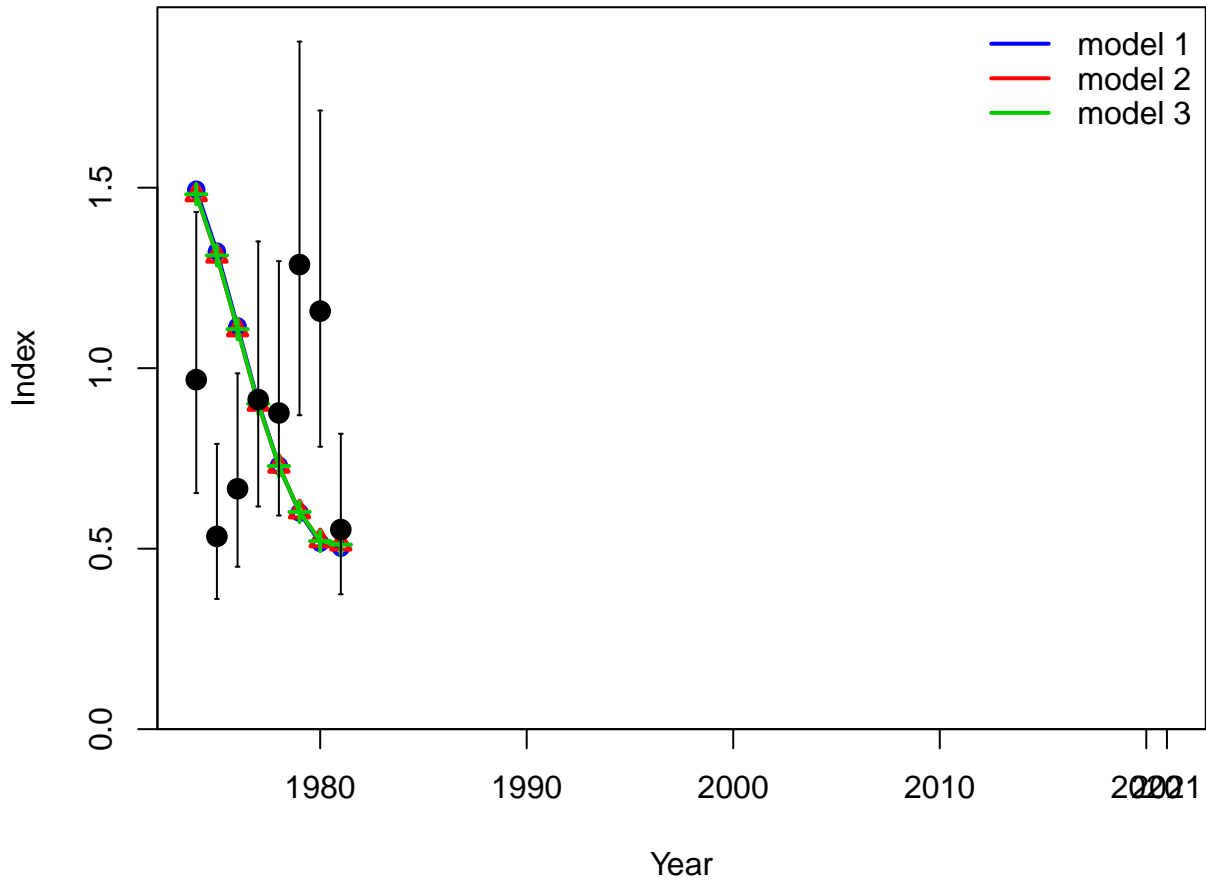


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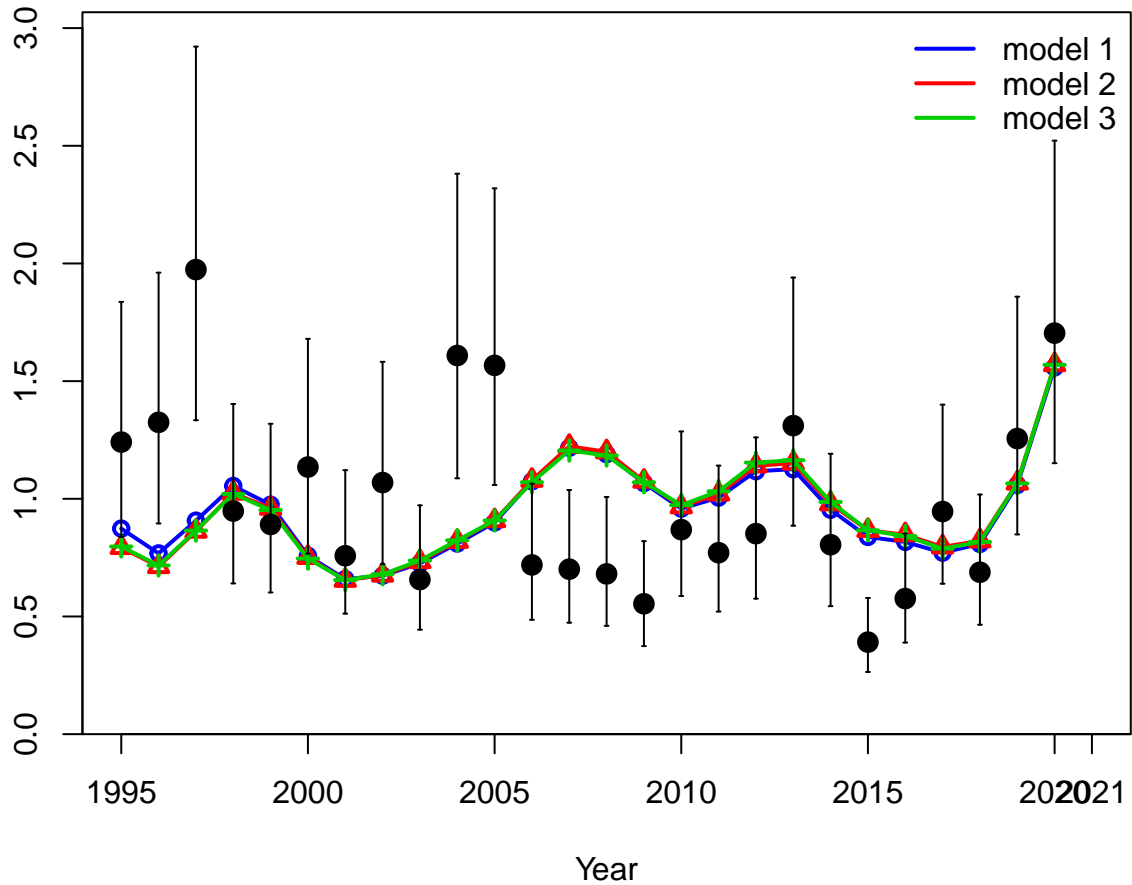


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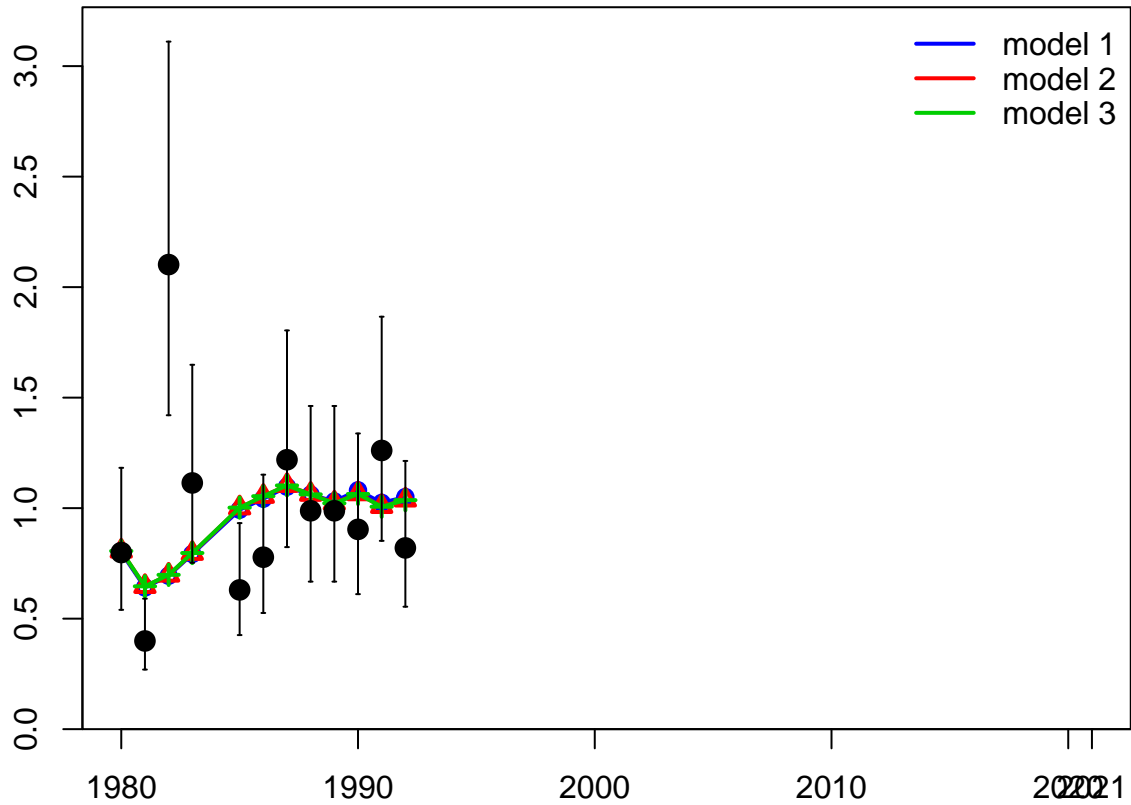




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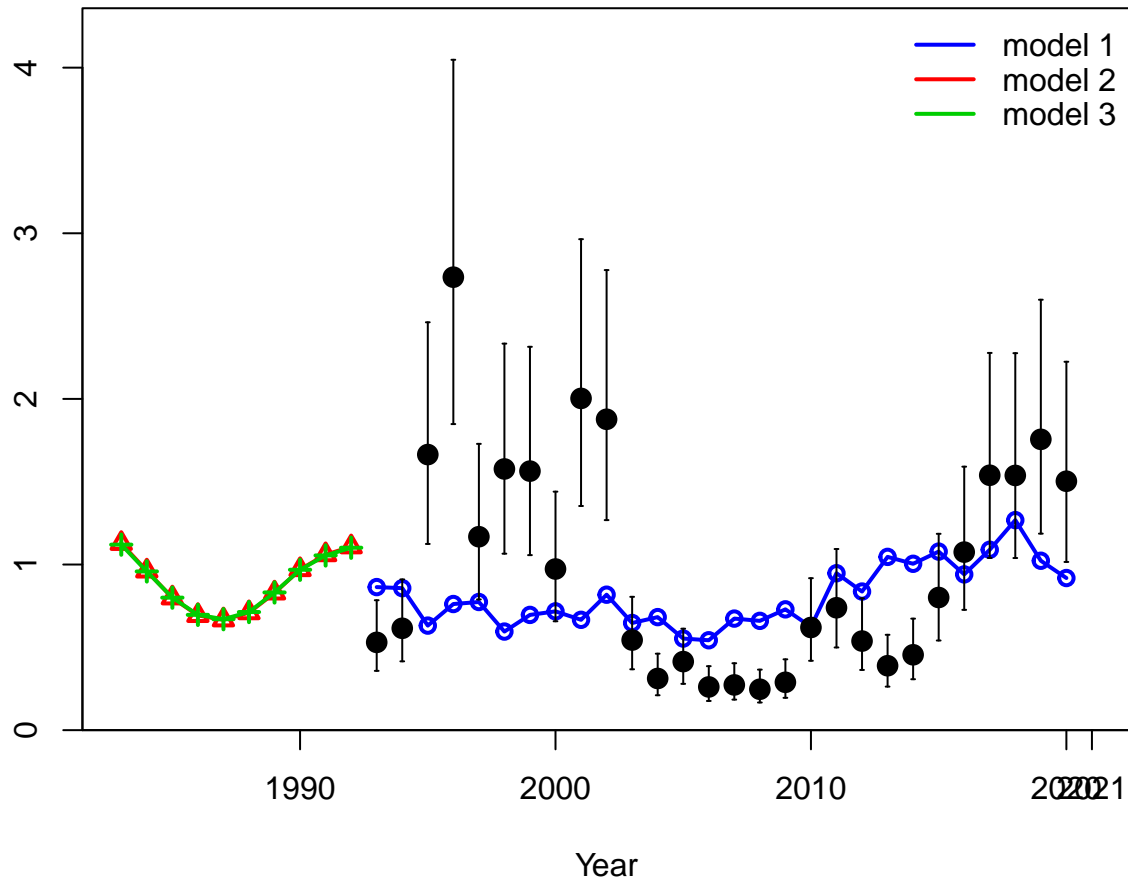


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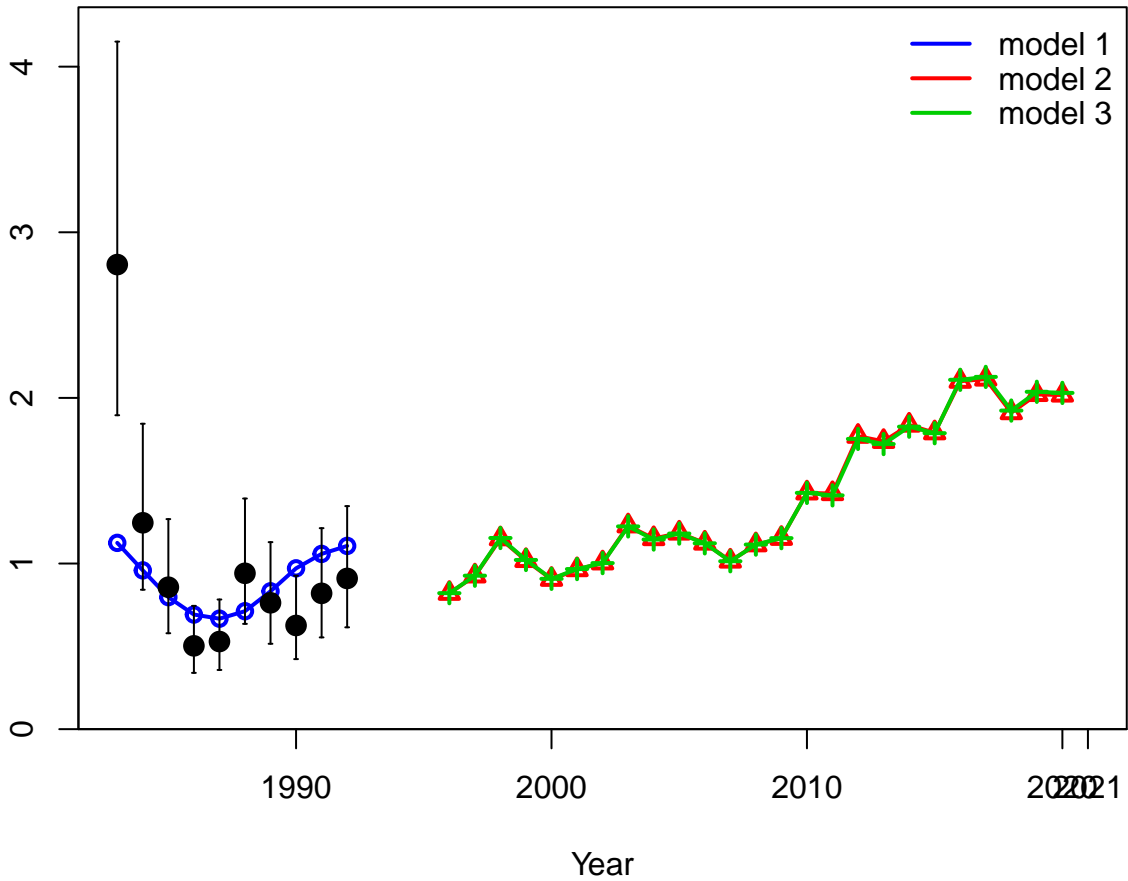


Year

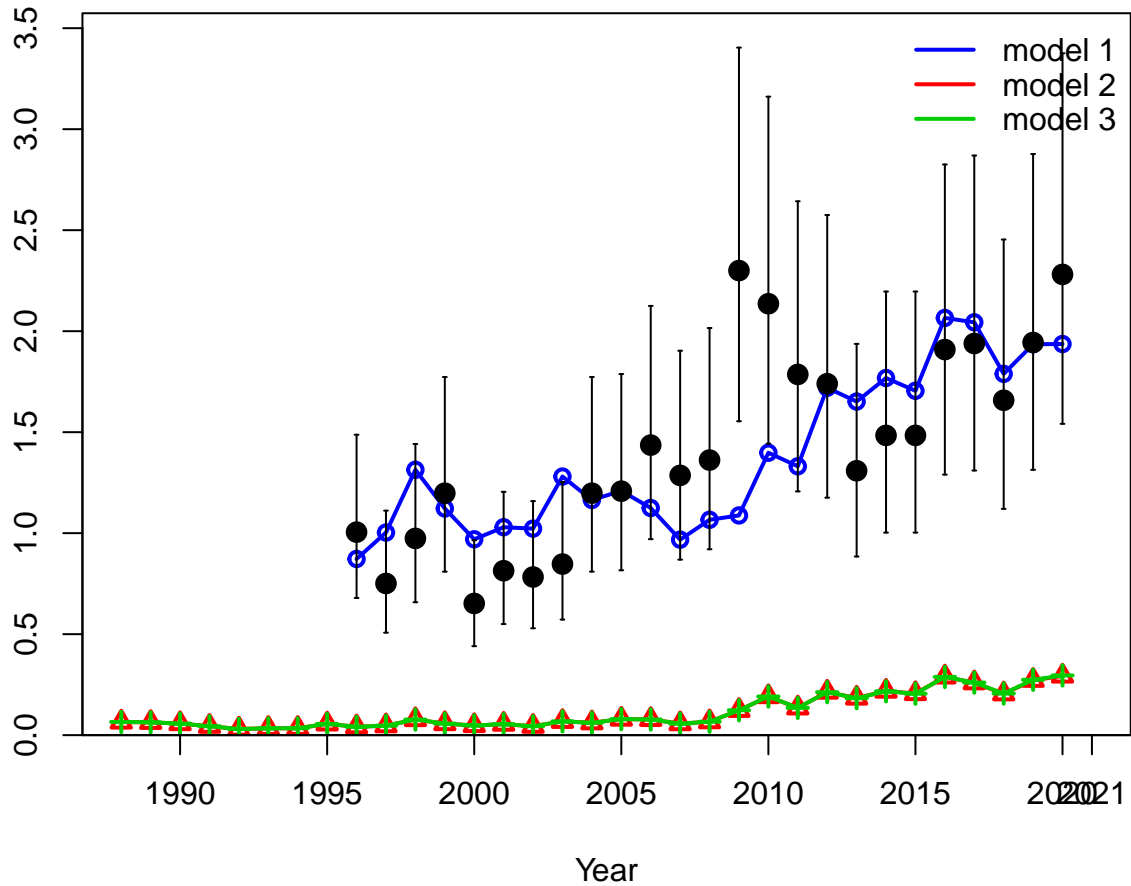
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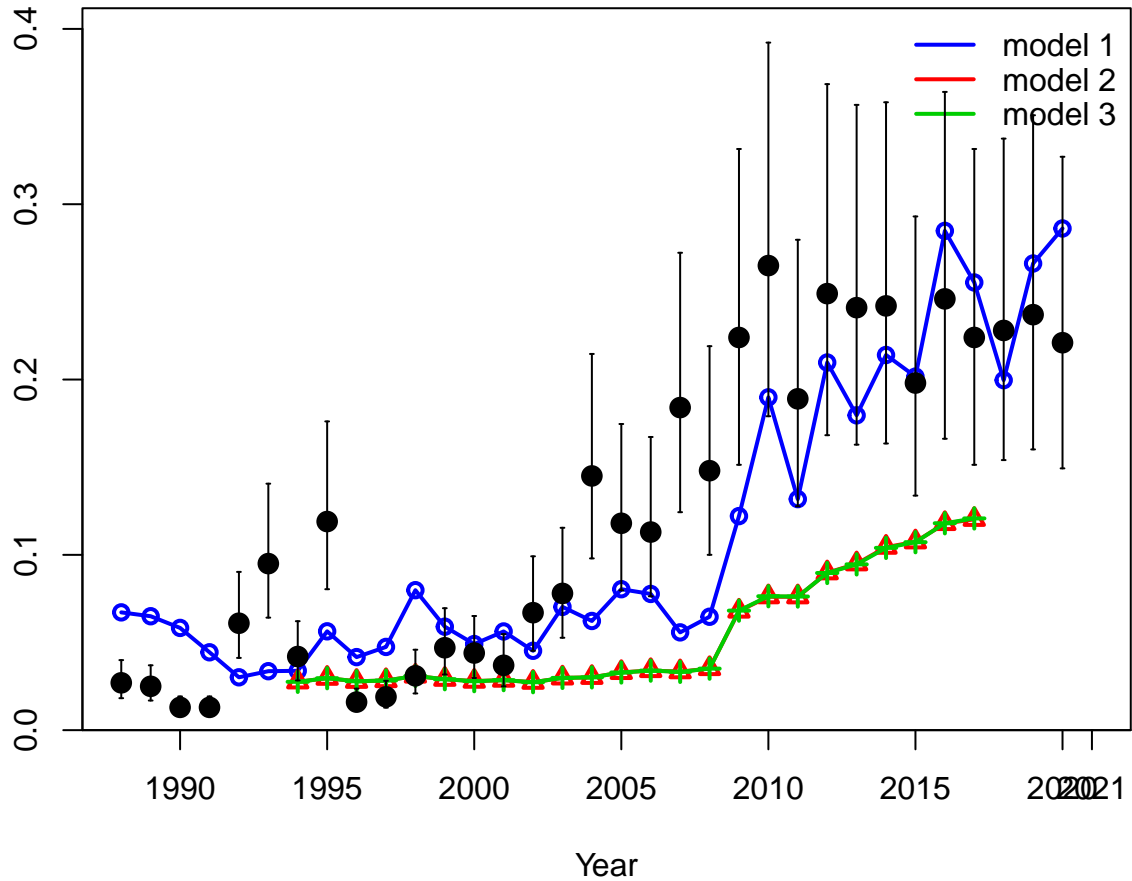
Index



Index



Index



Index

6
5
4
3
2
1
0

model 1
model 2
model 3

1980

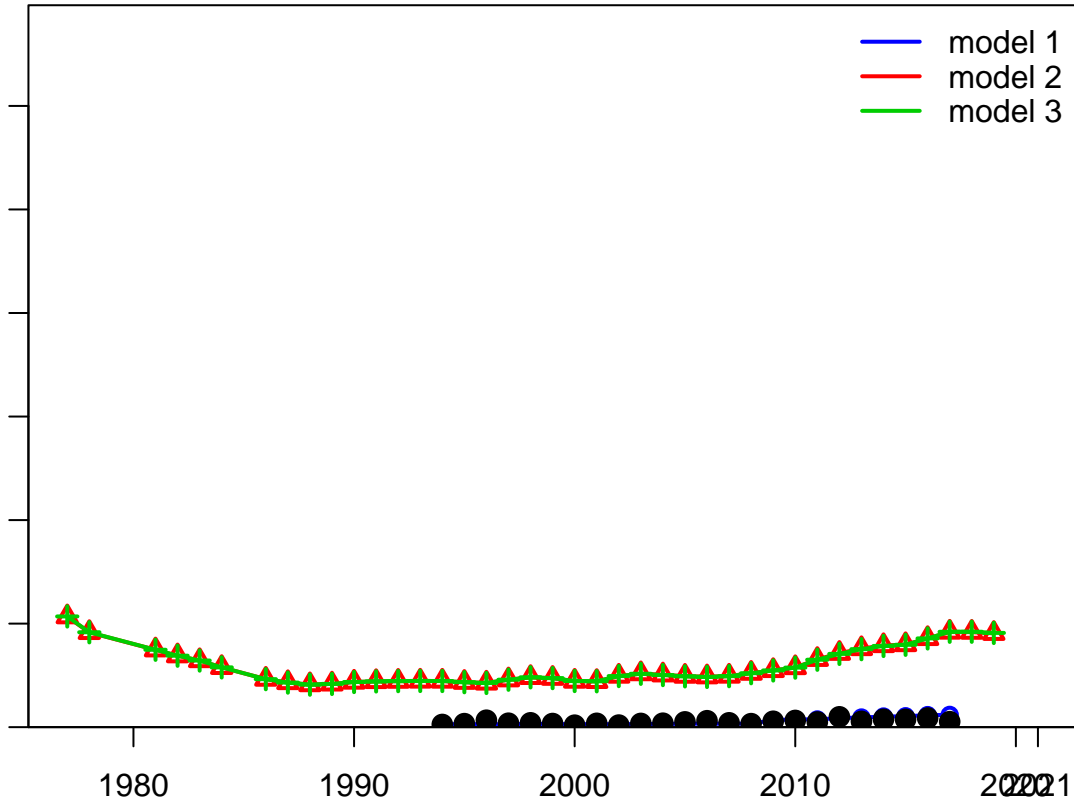
1990

2000

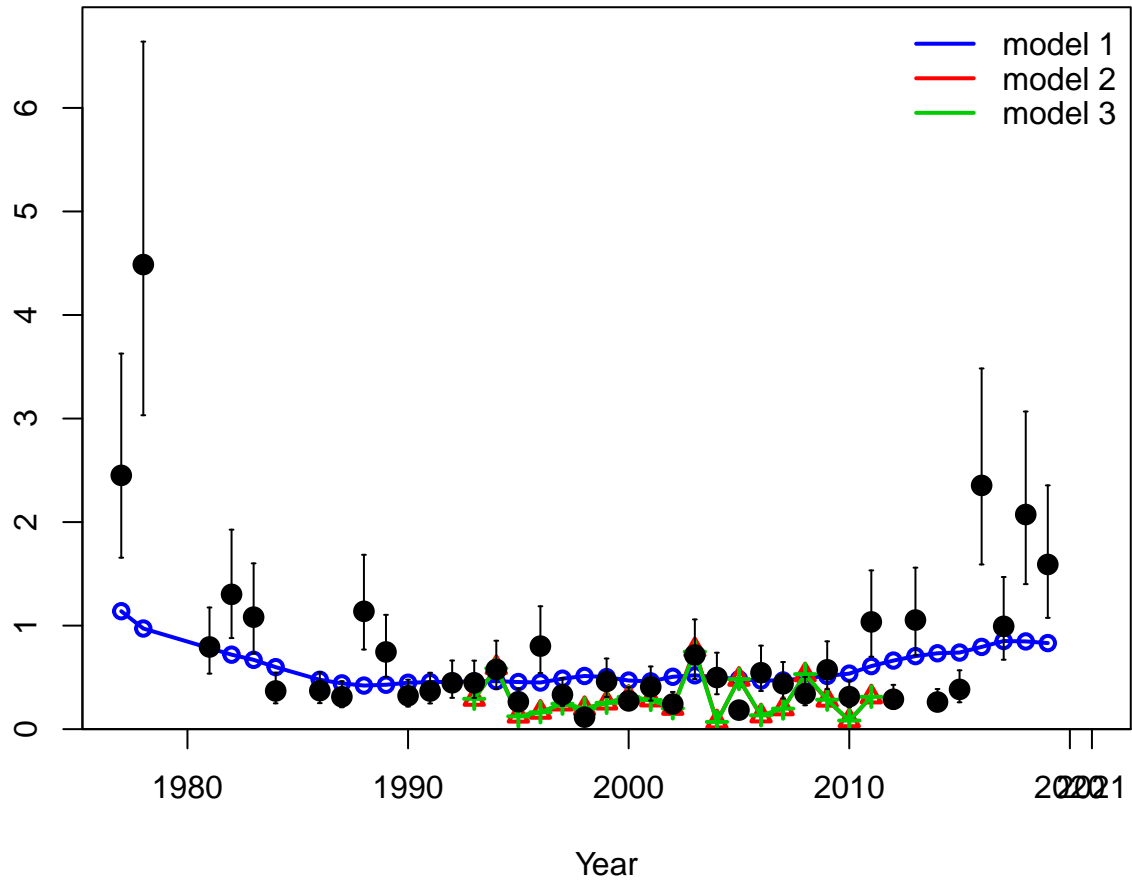
2010

2021

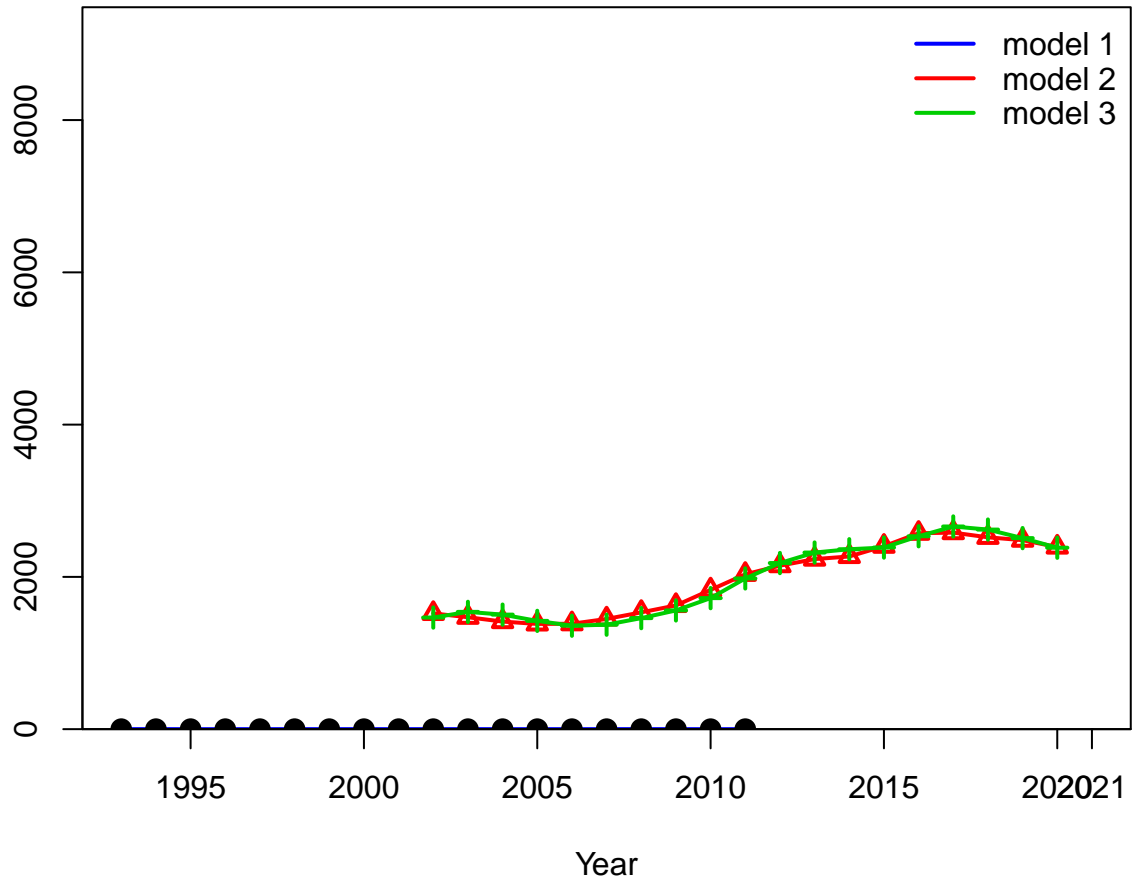
Year



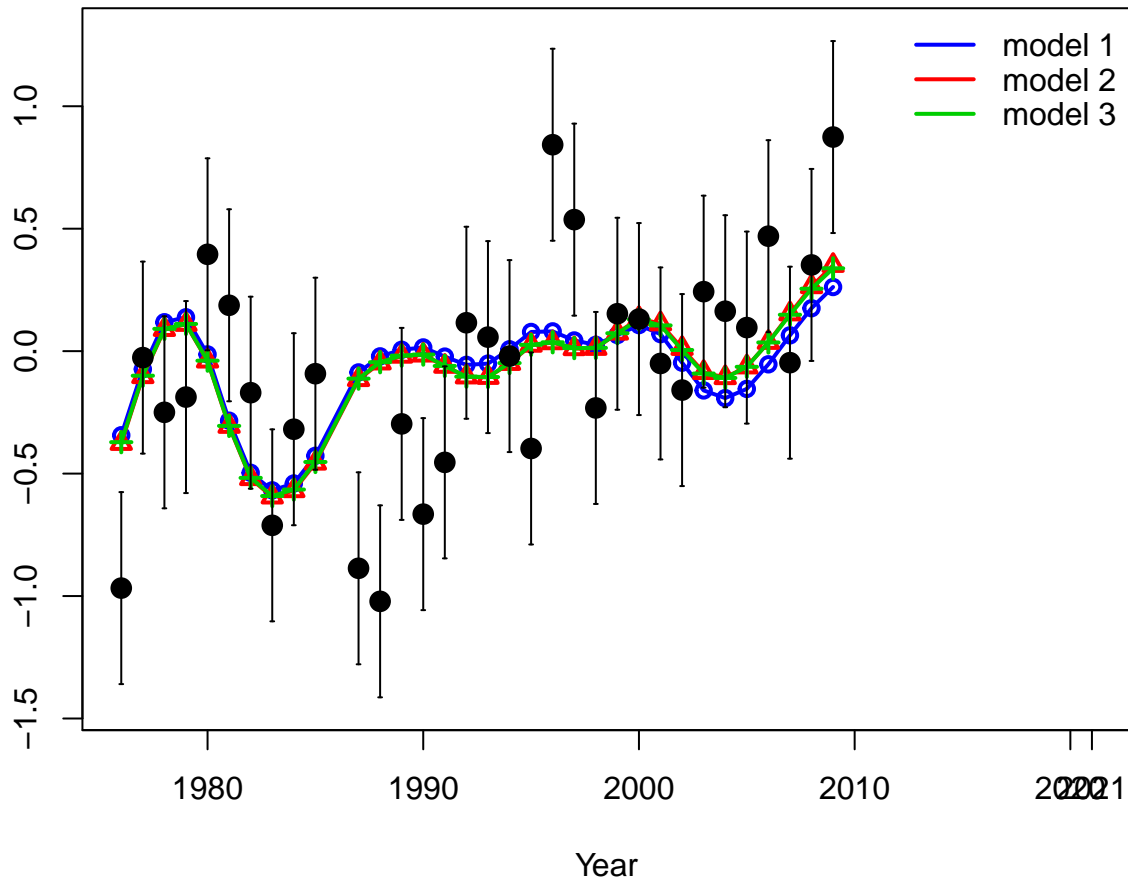
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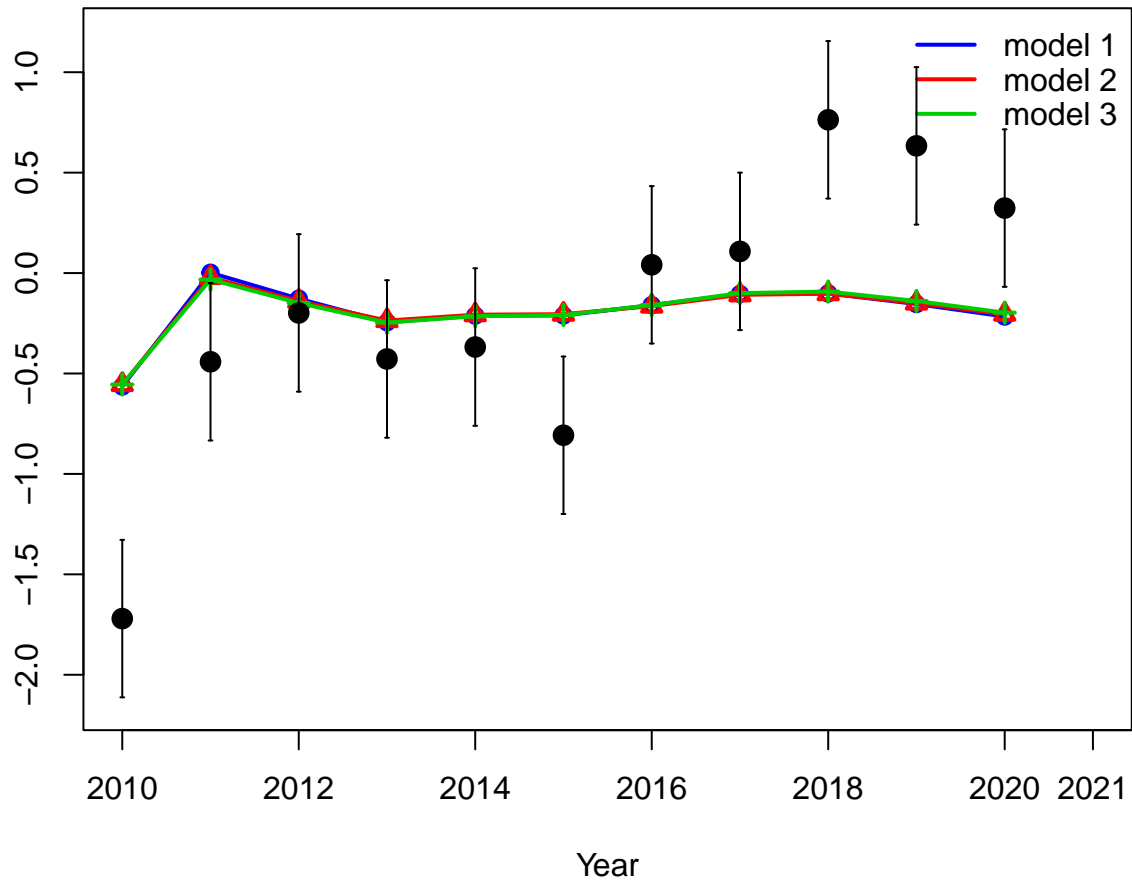
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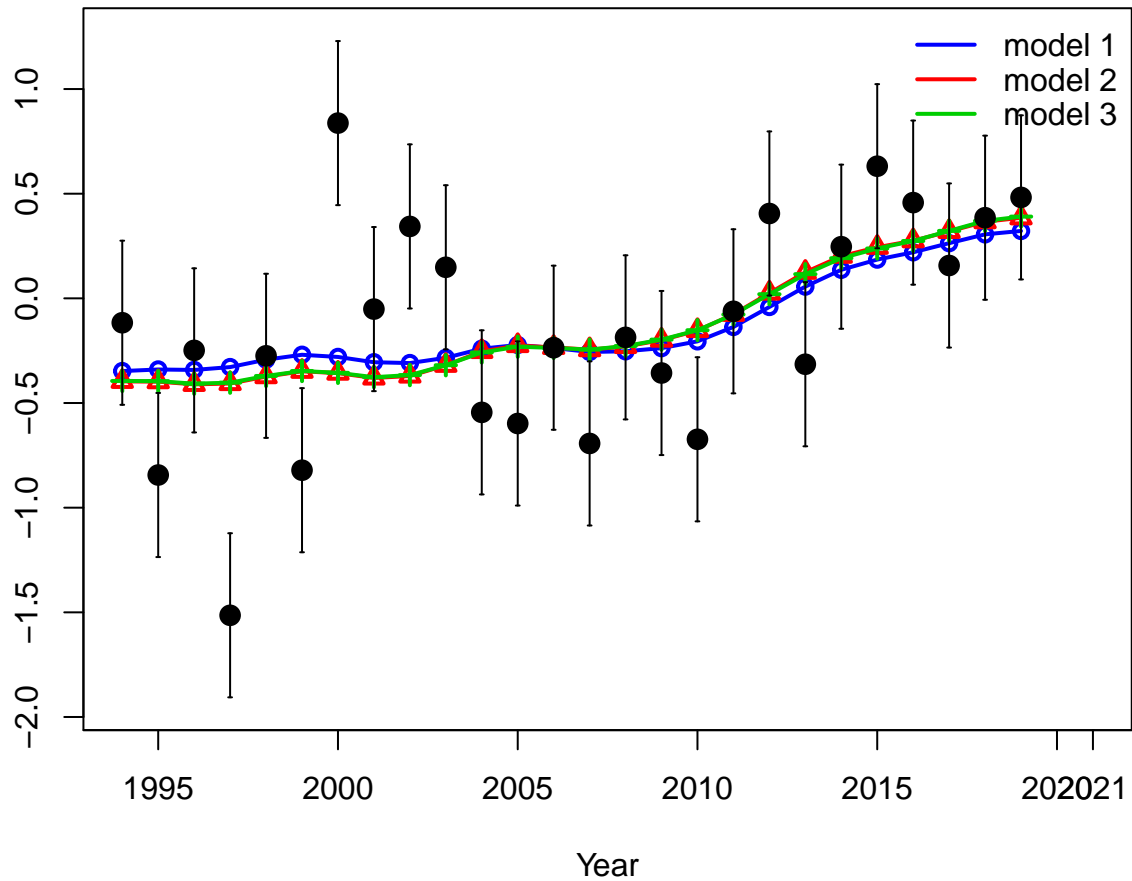
Log index



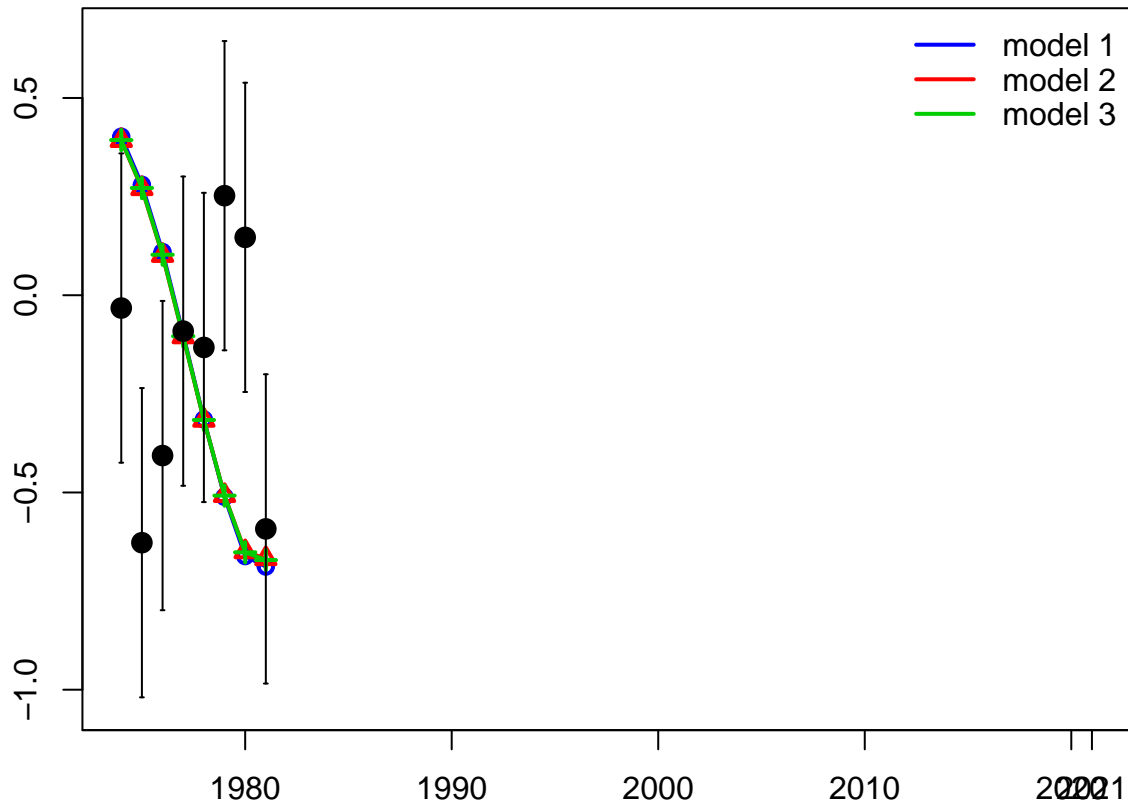
Log index



Log index

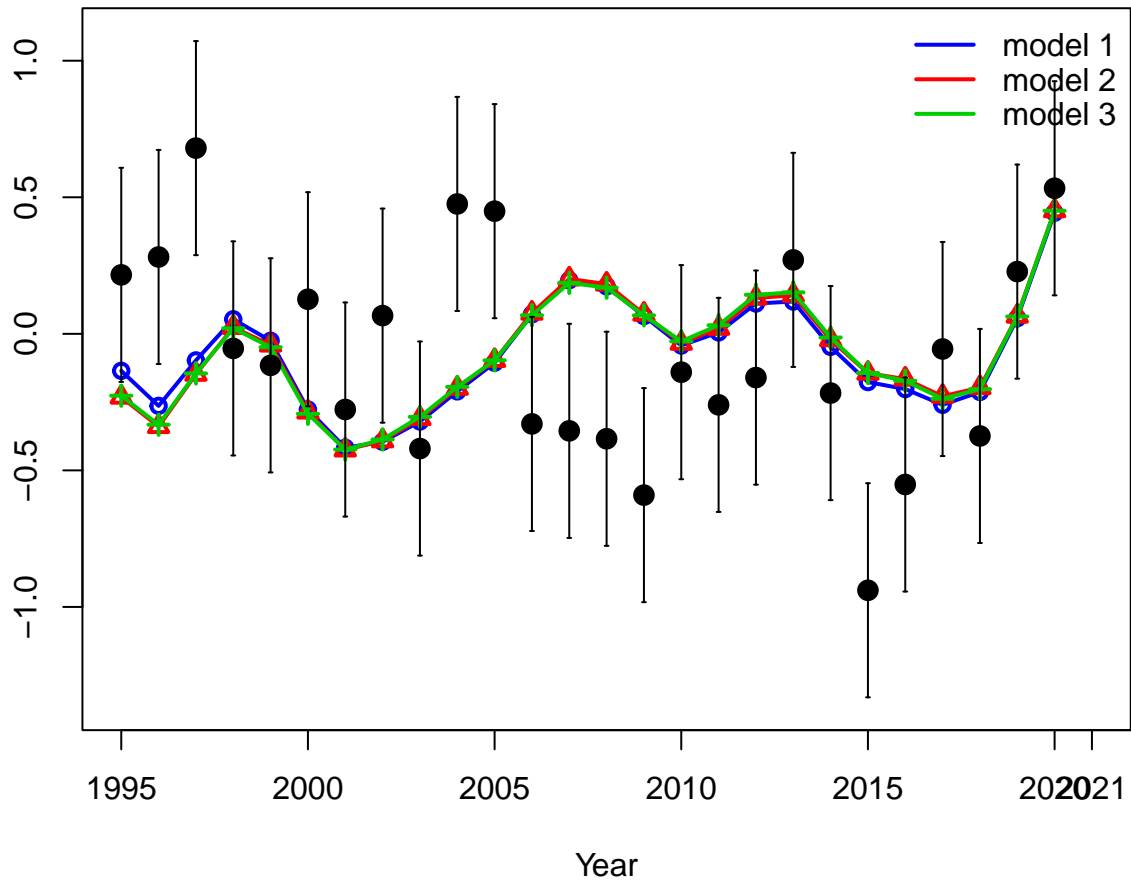


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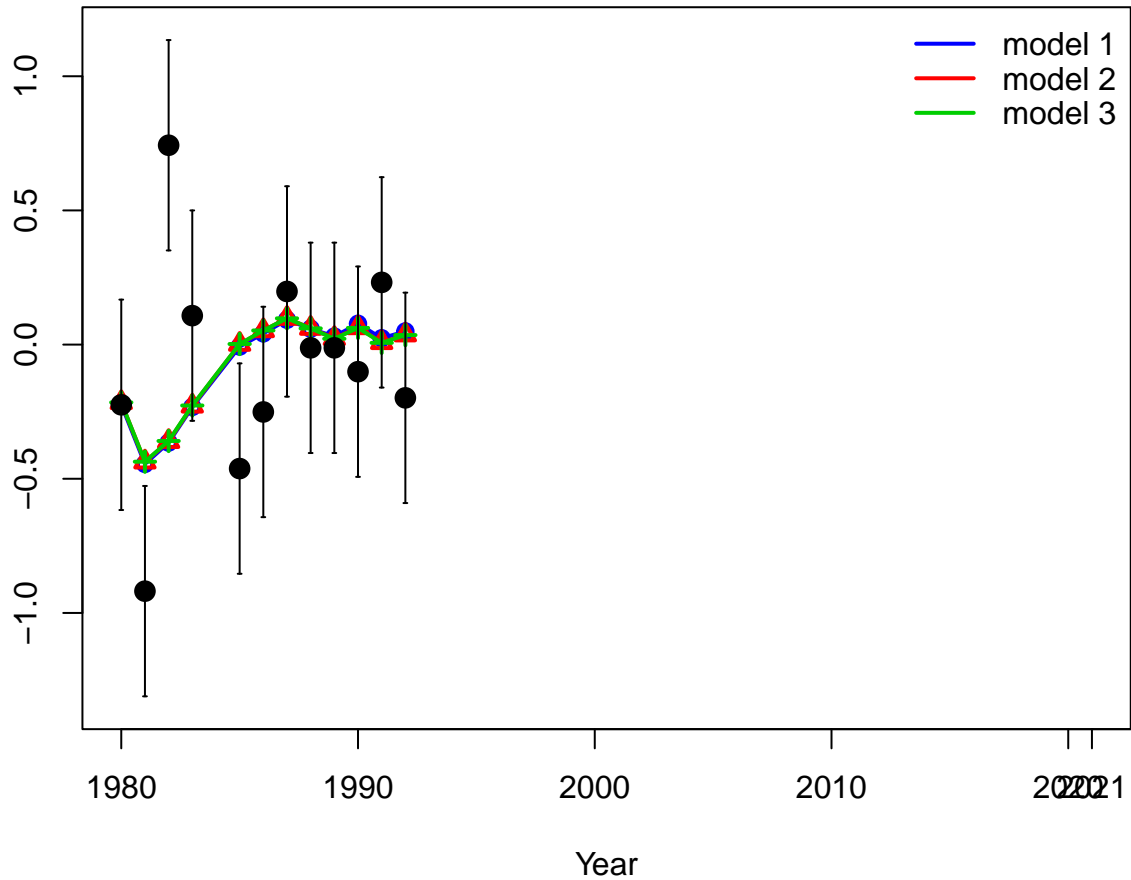


Year

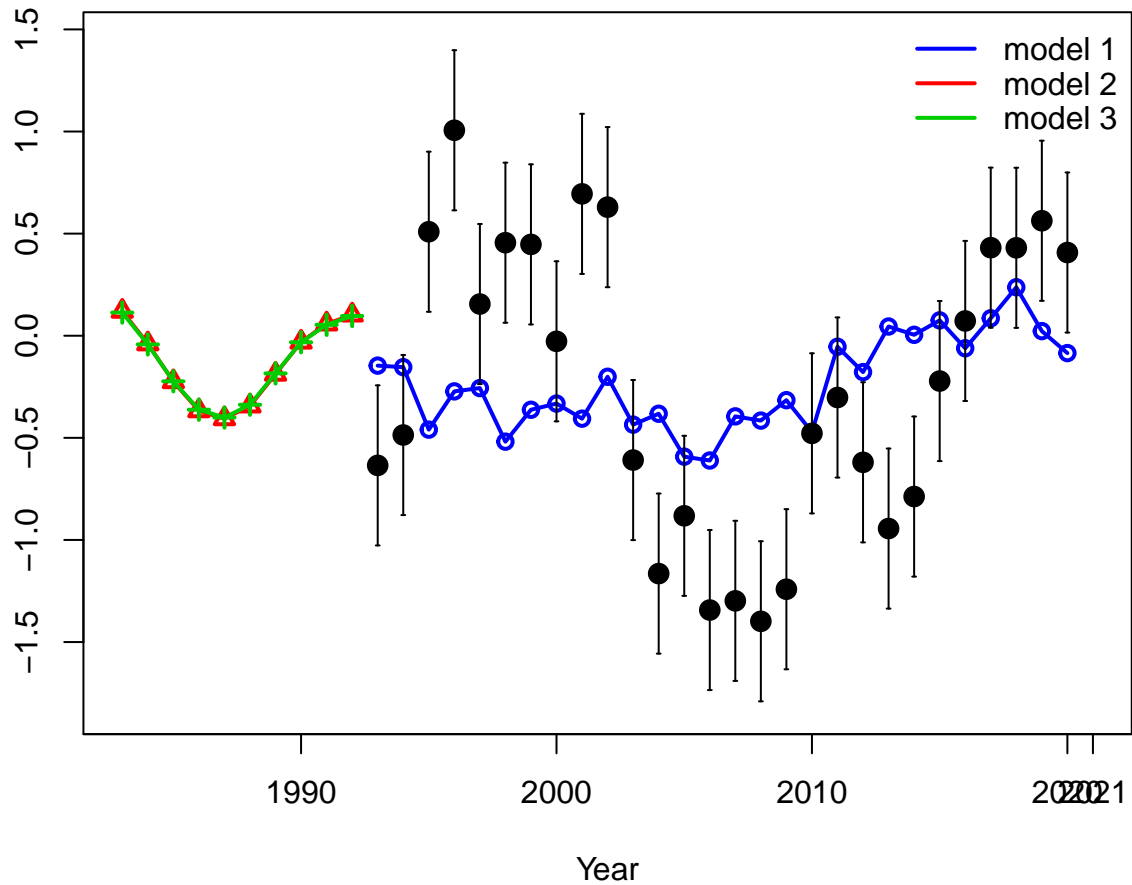
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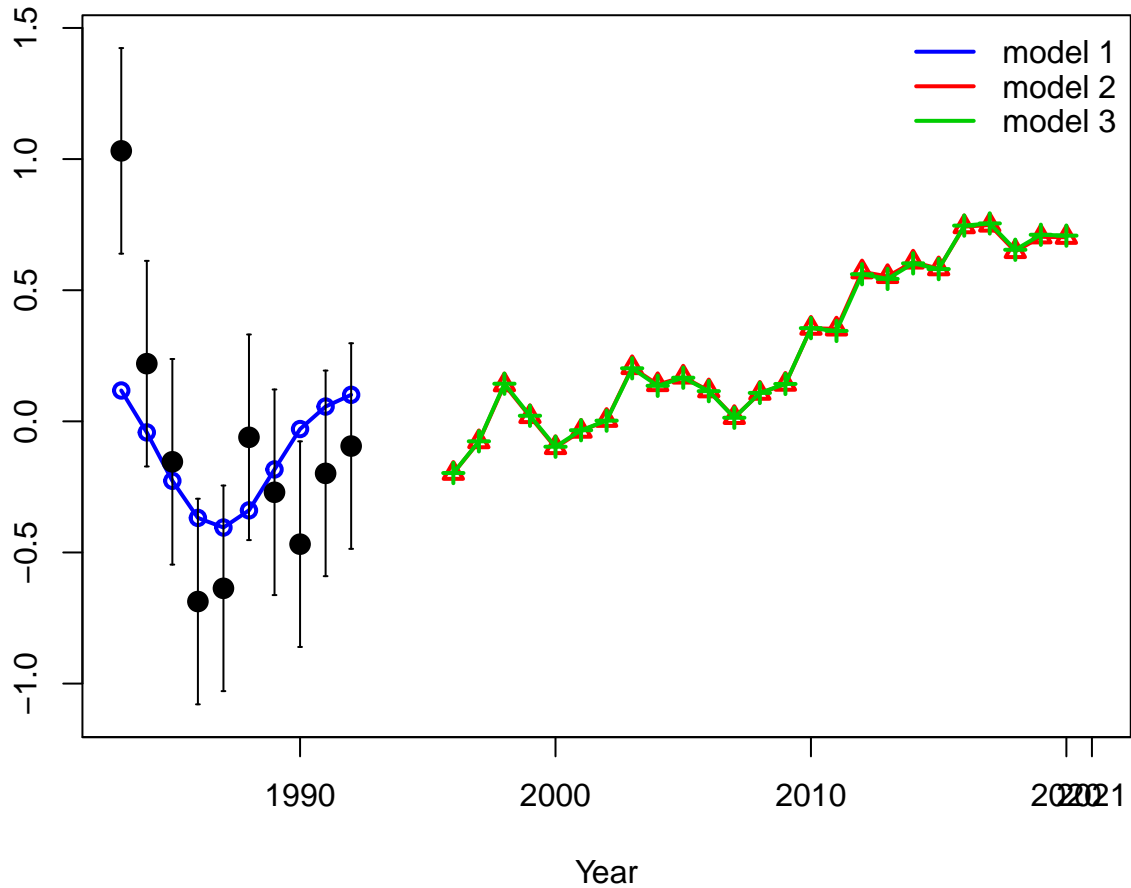
Log index



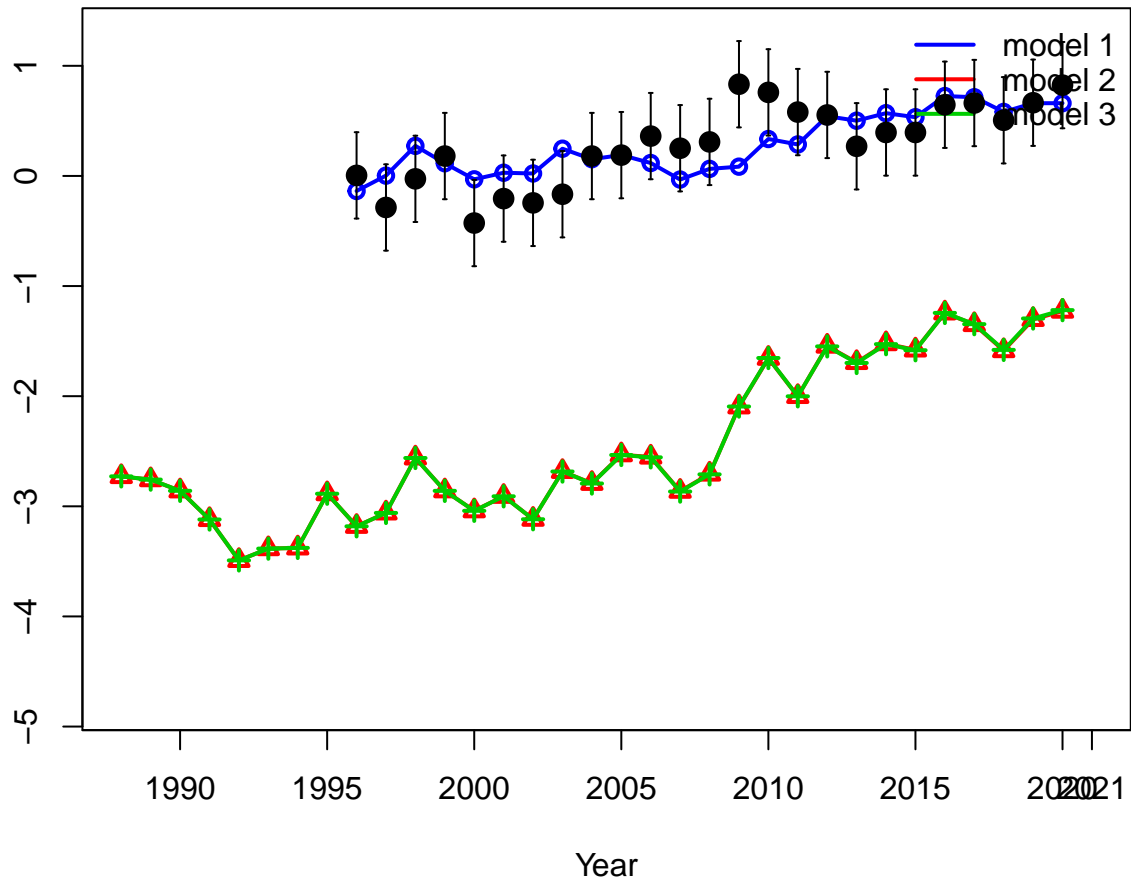
Log index



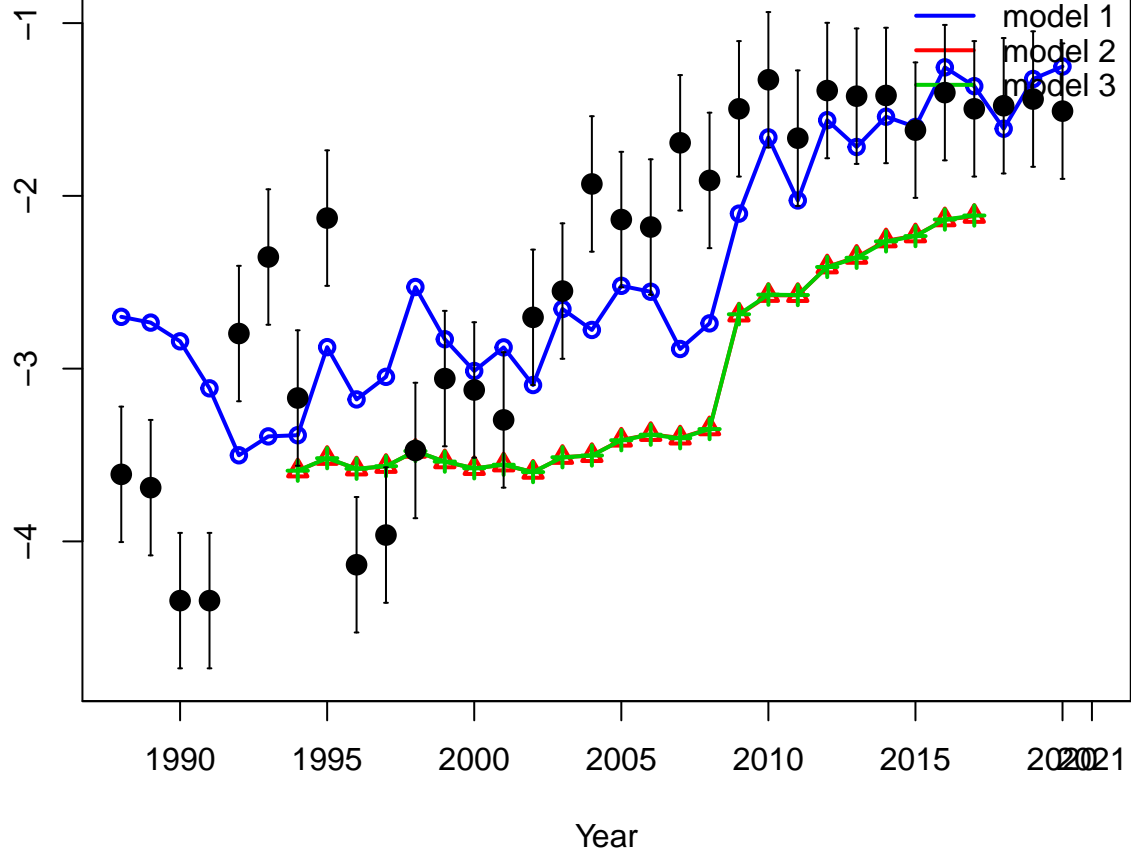
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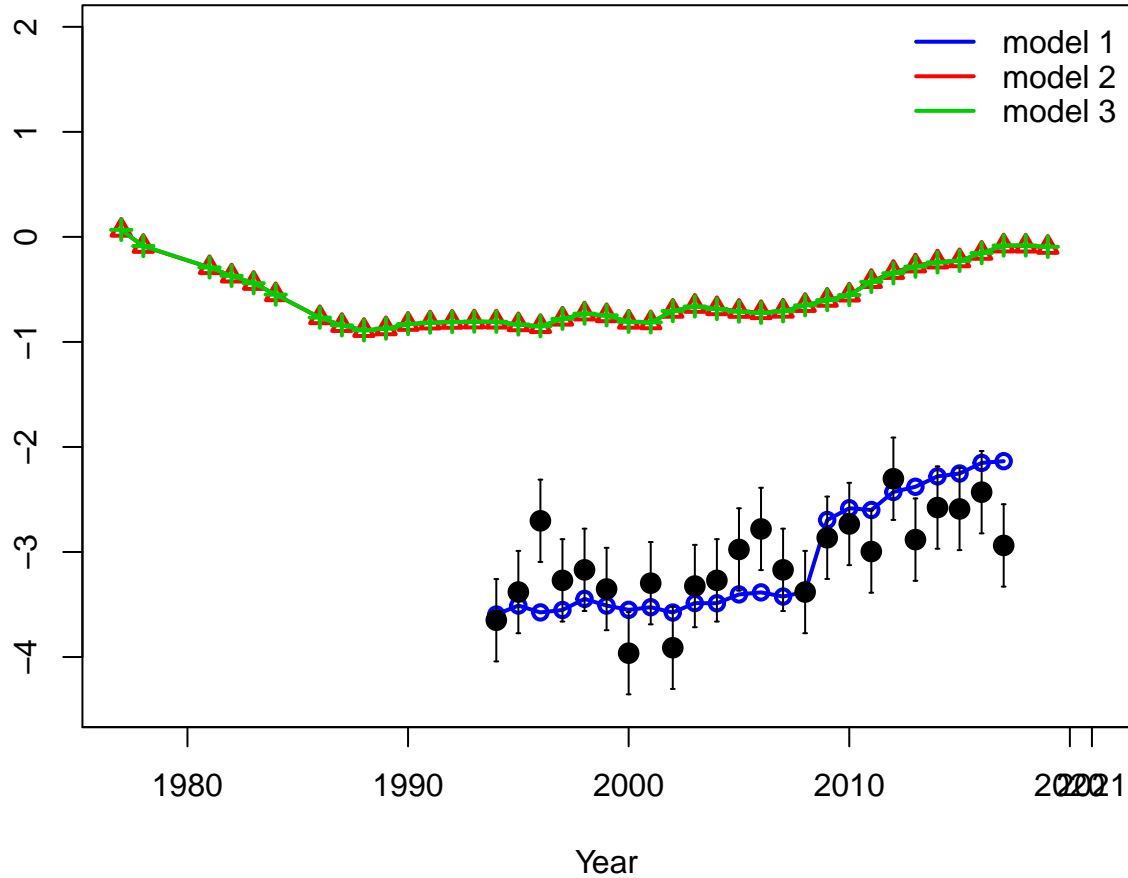
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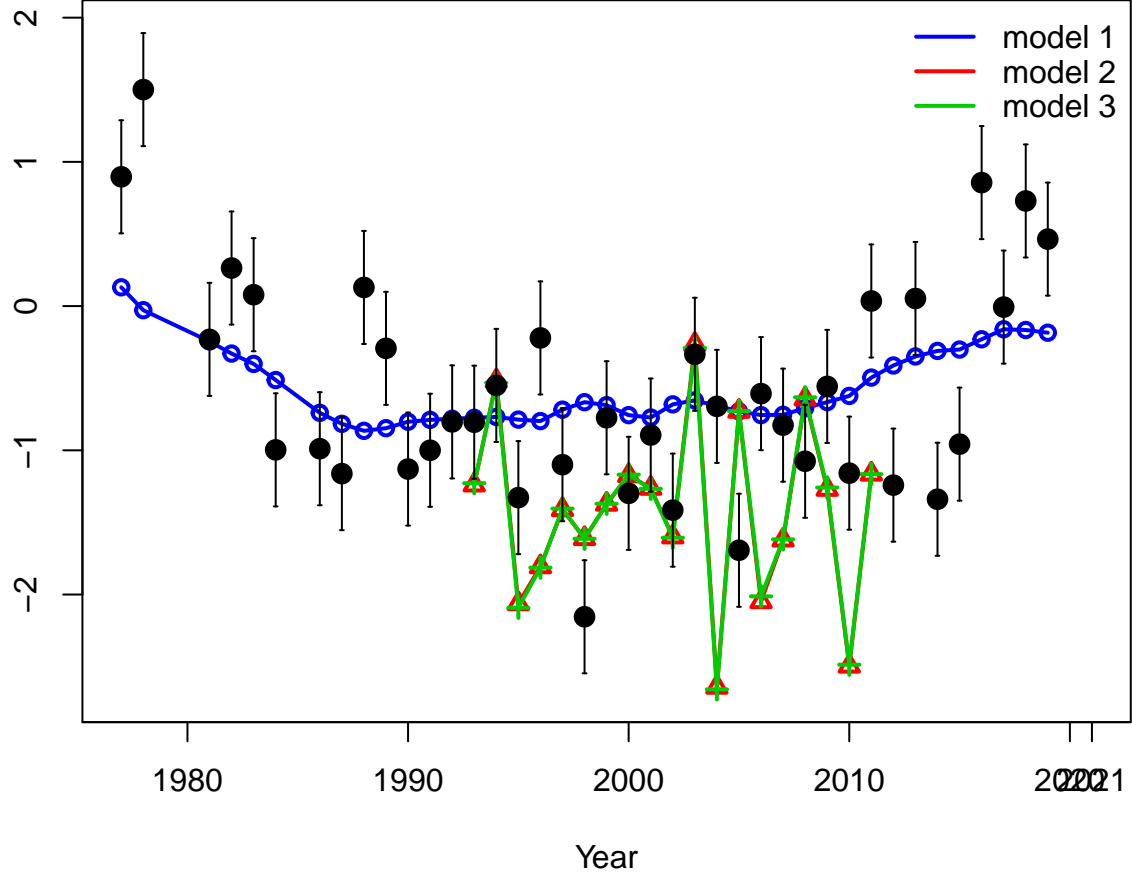
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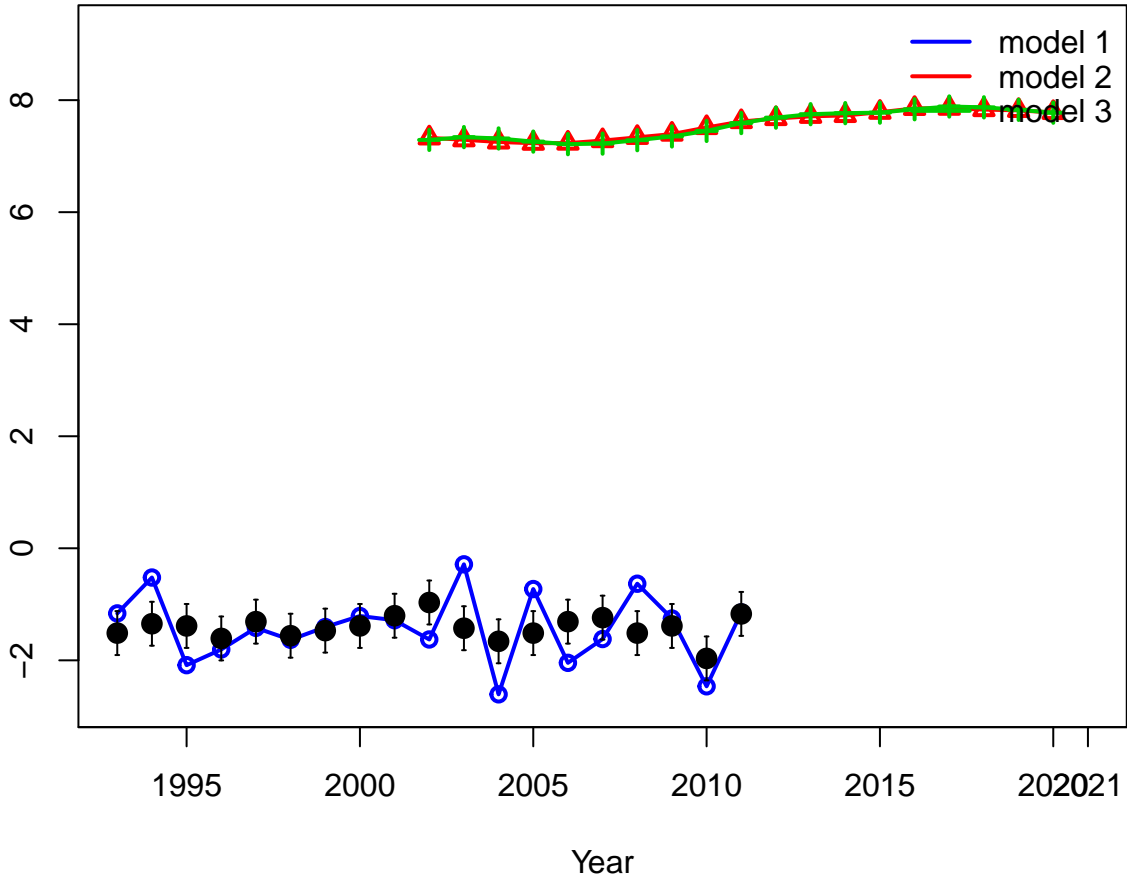
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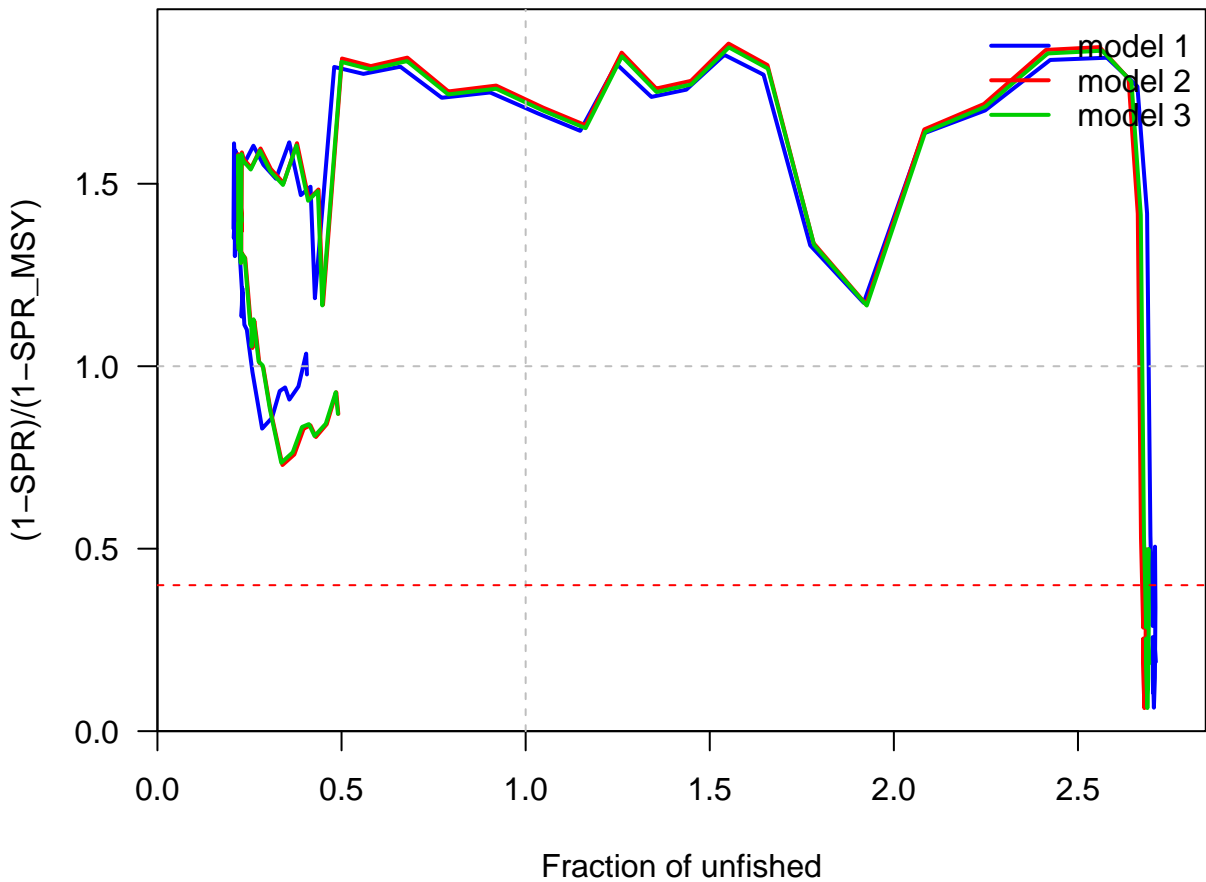


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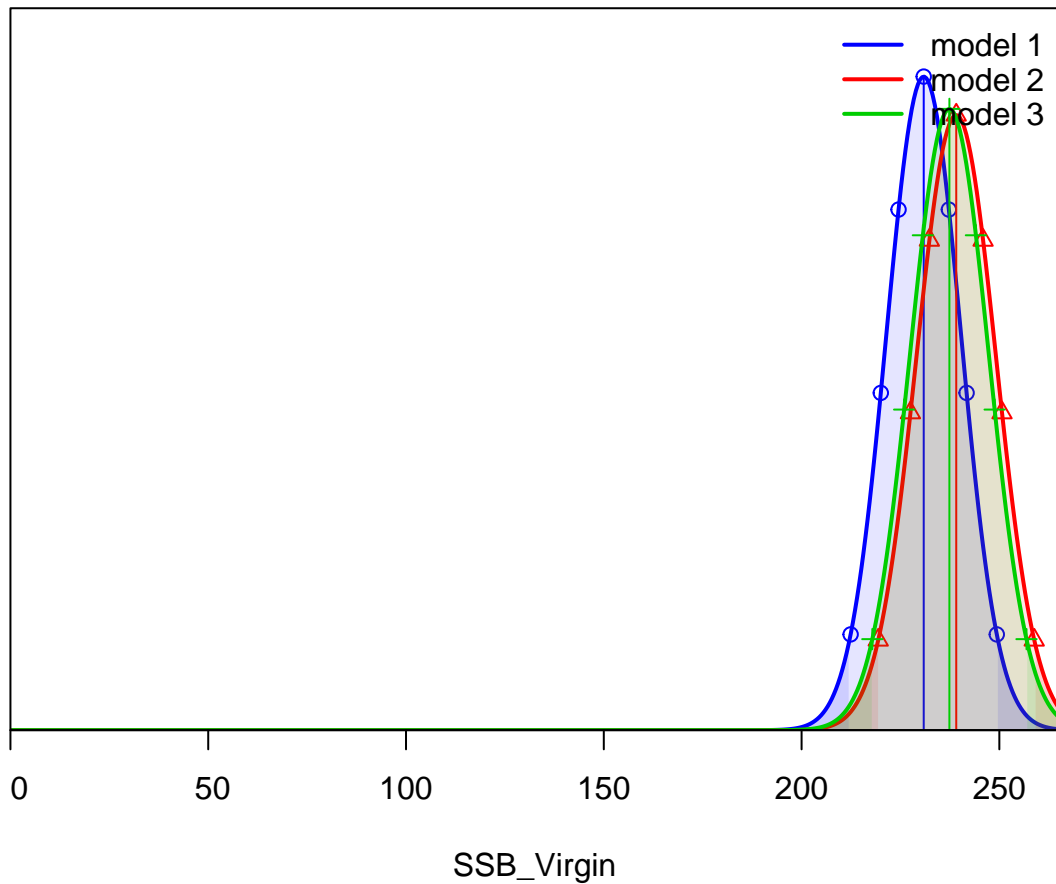


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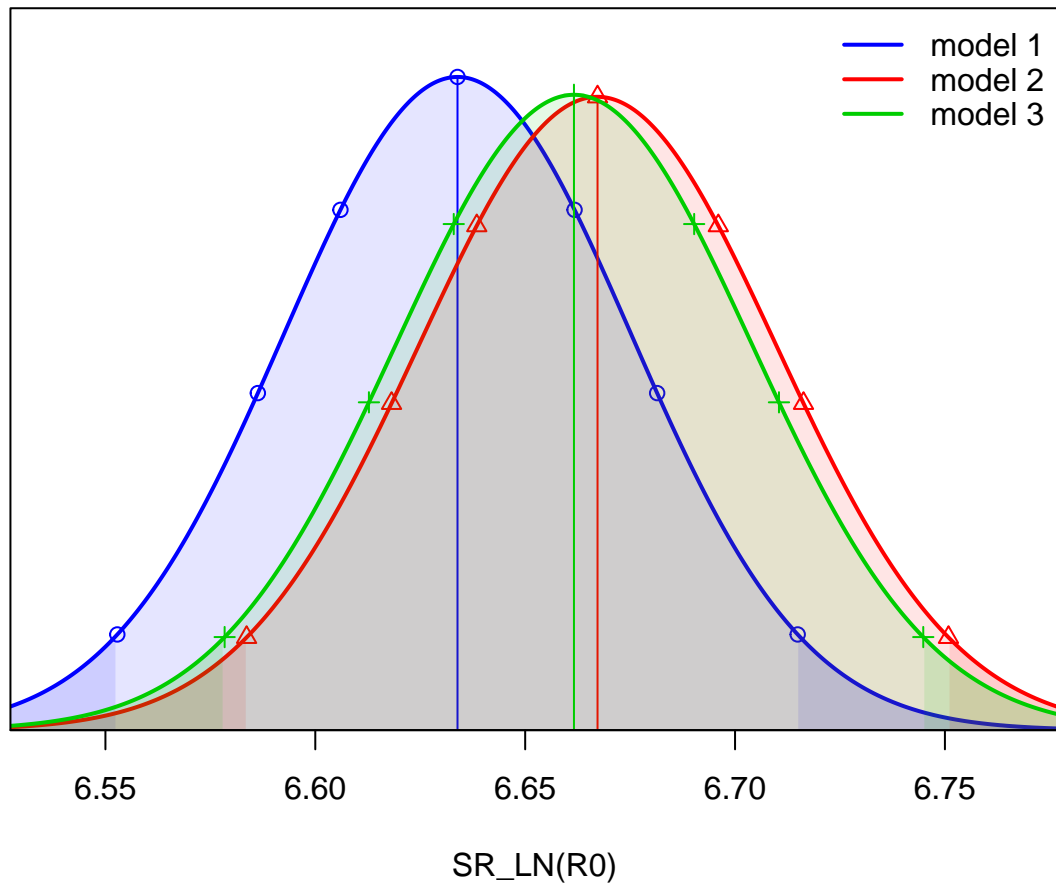




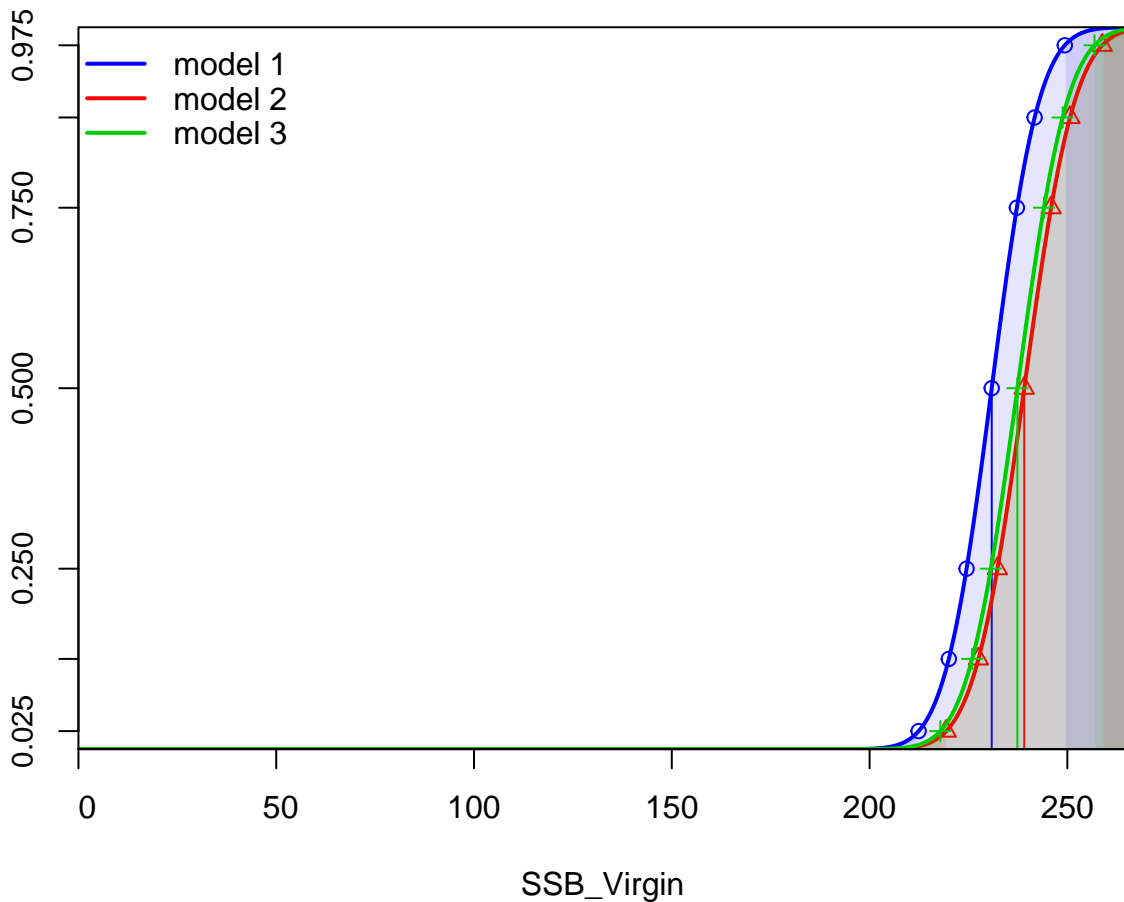
Density



Density



Cumulative Probability



Cumulative Probability

