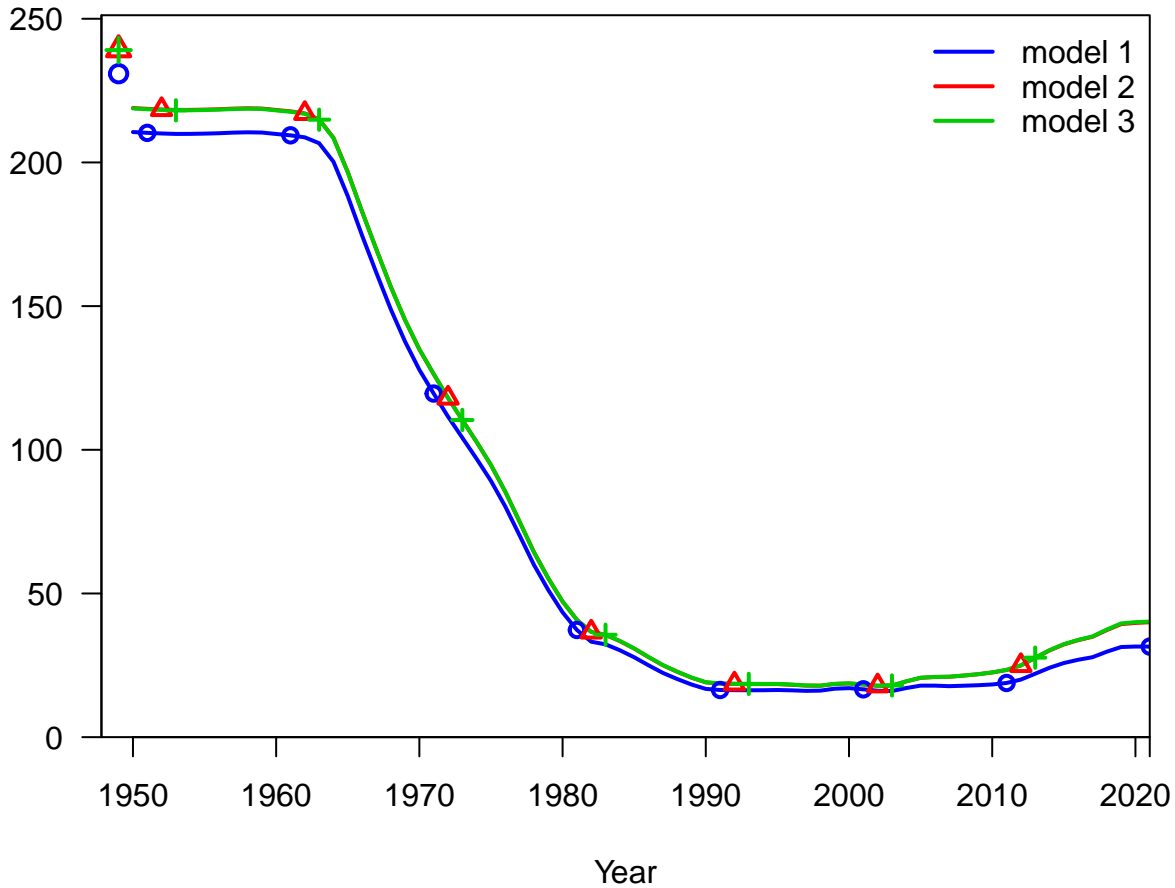
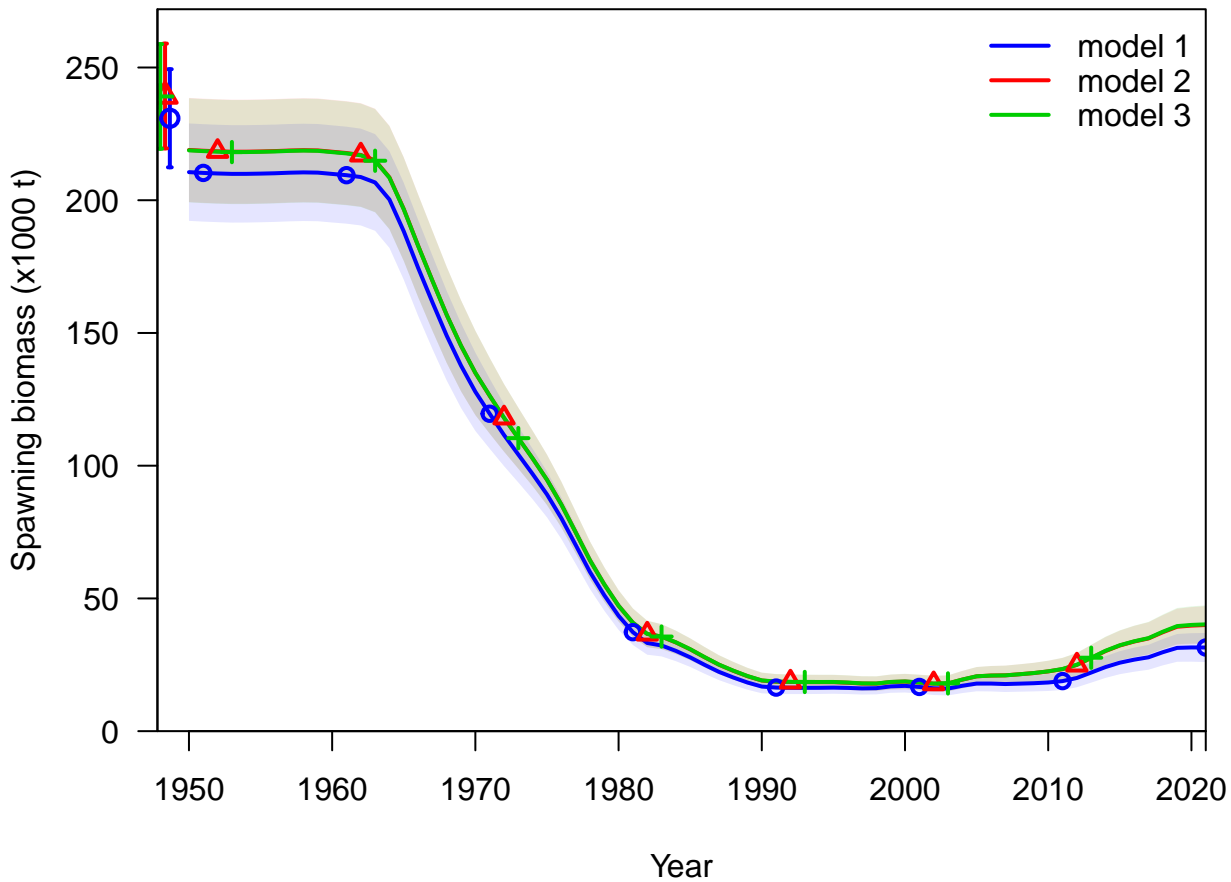
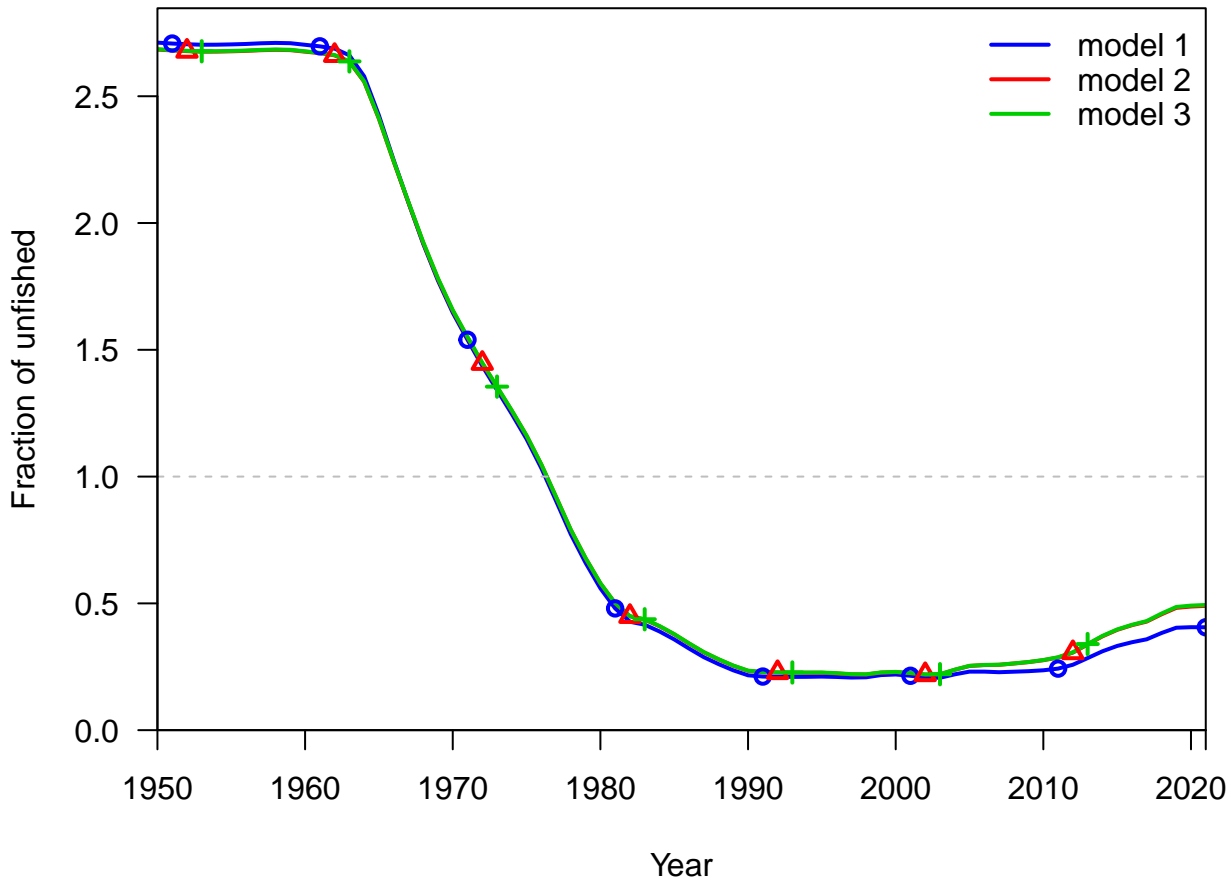


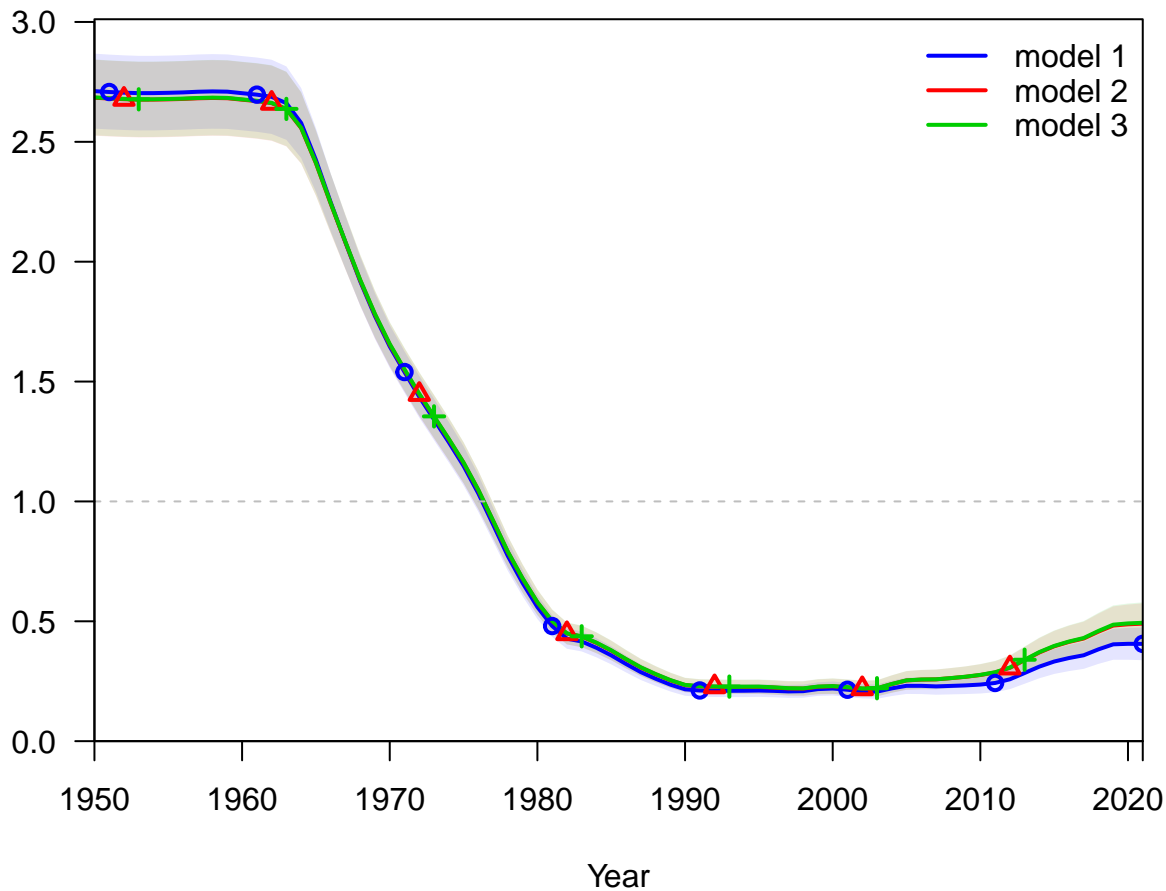
Spawning biomass (x1000 t)

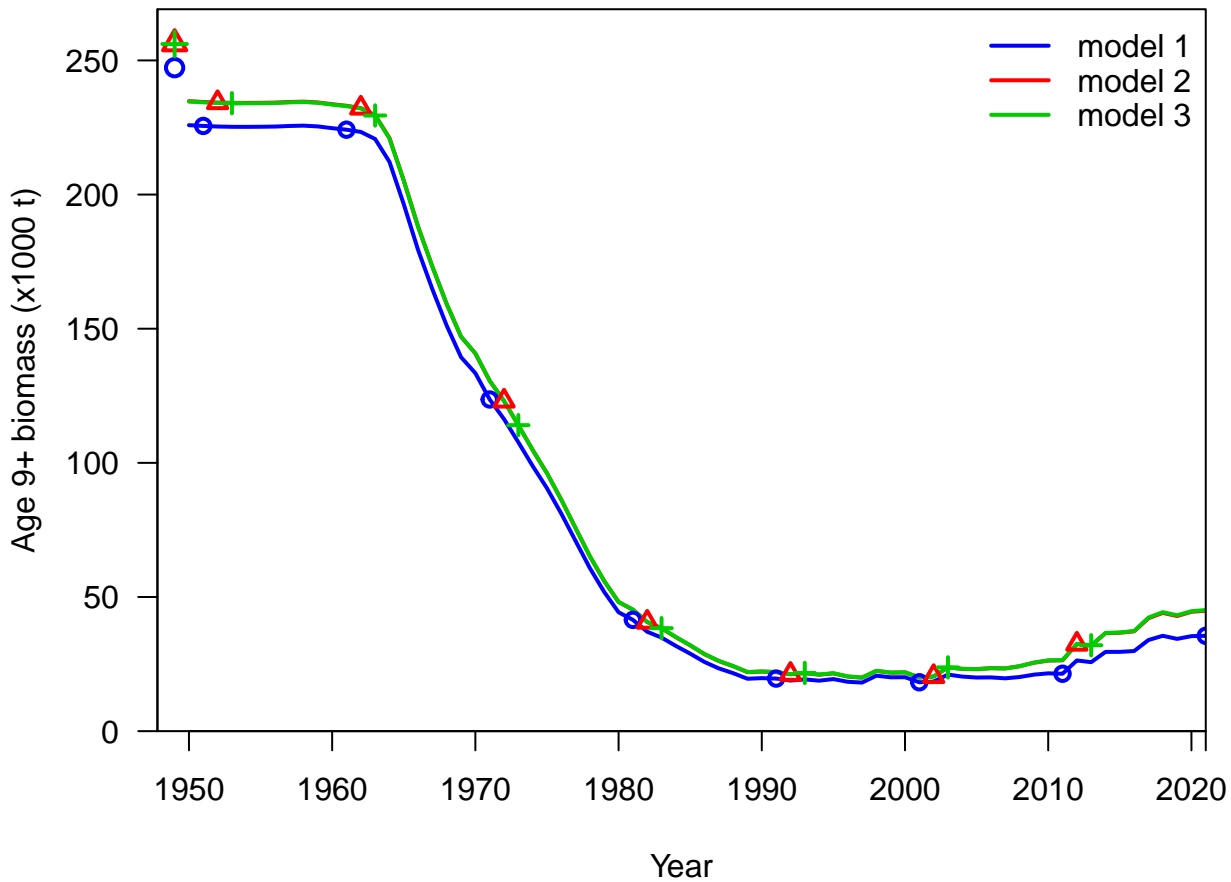


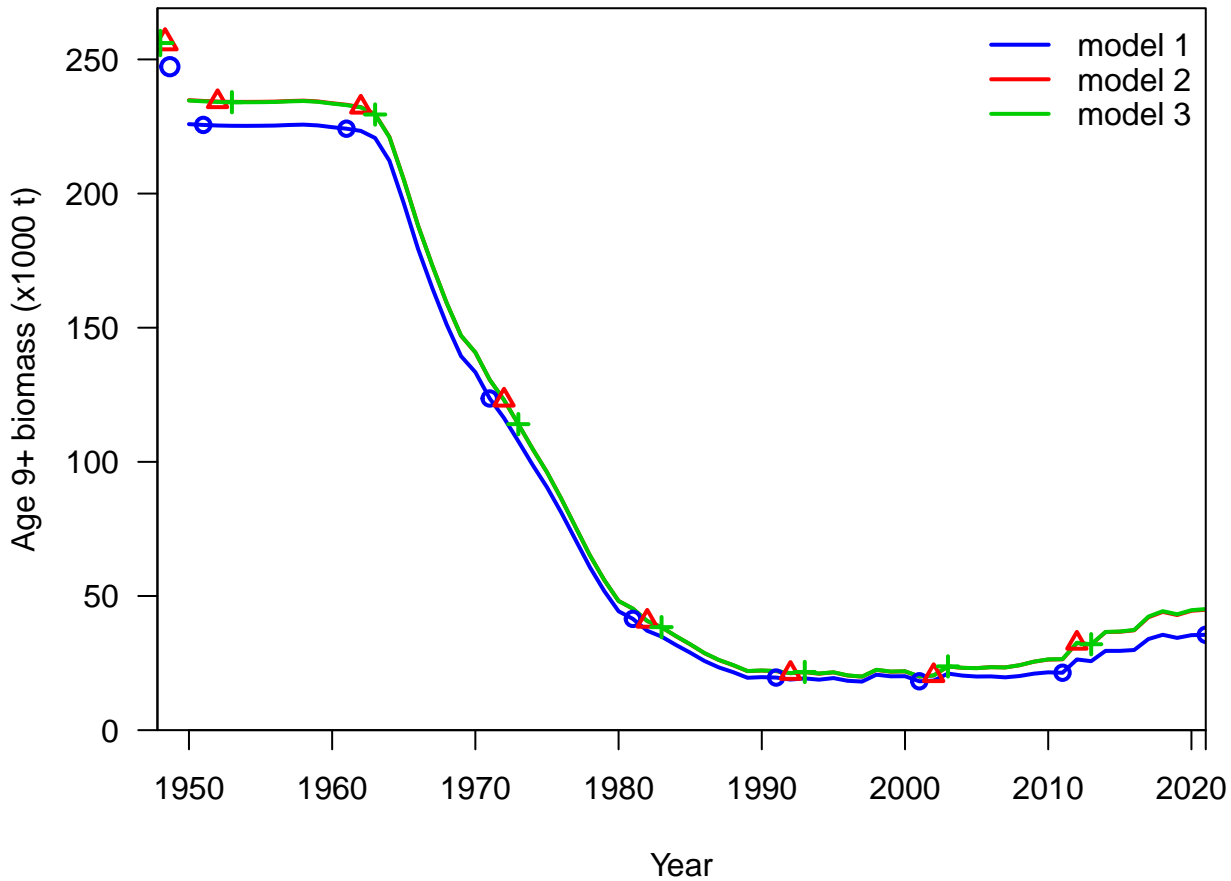


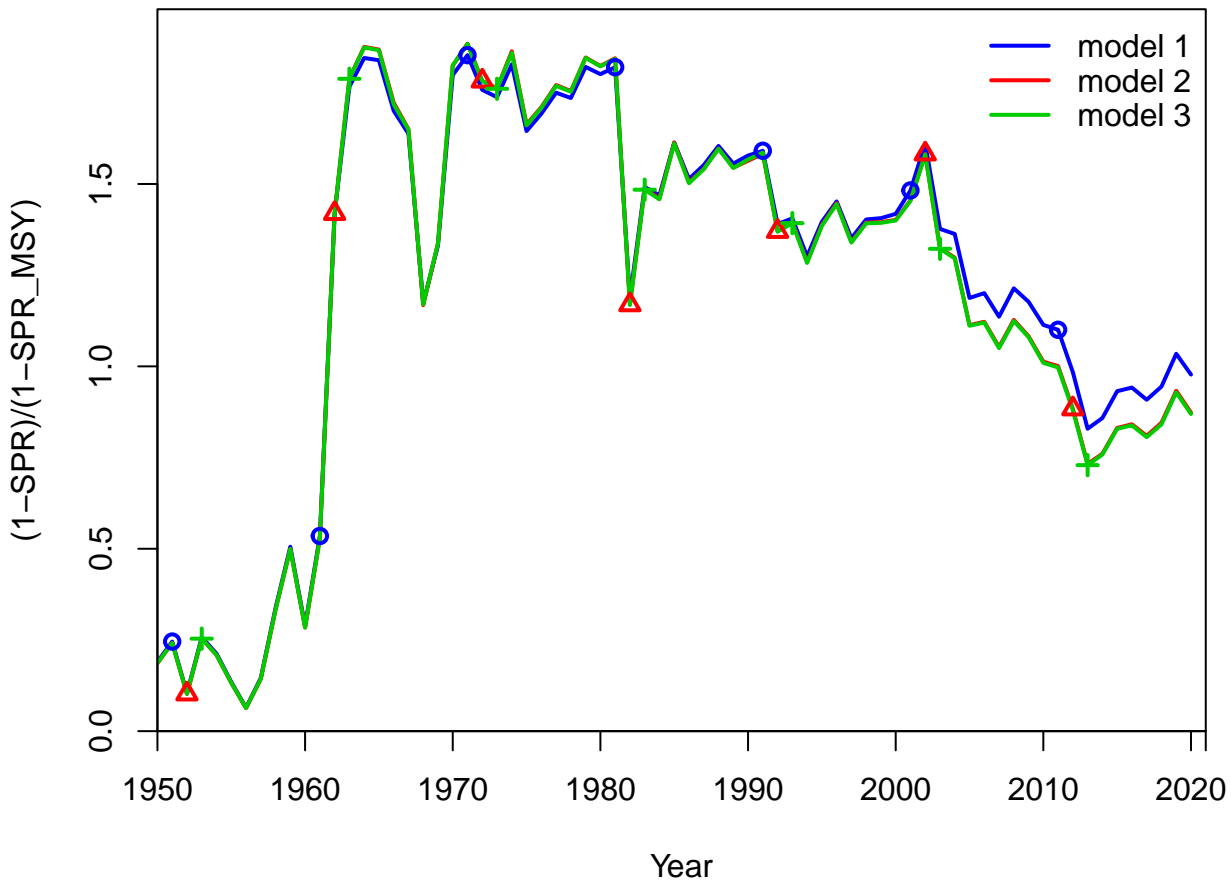


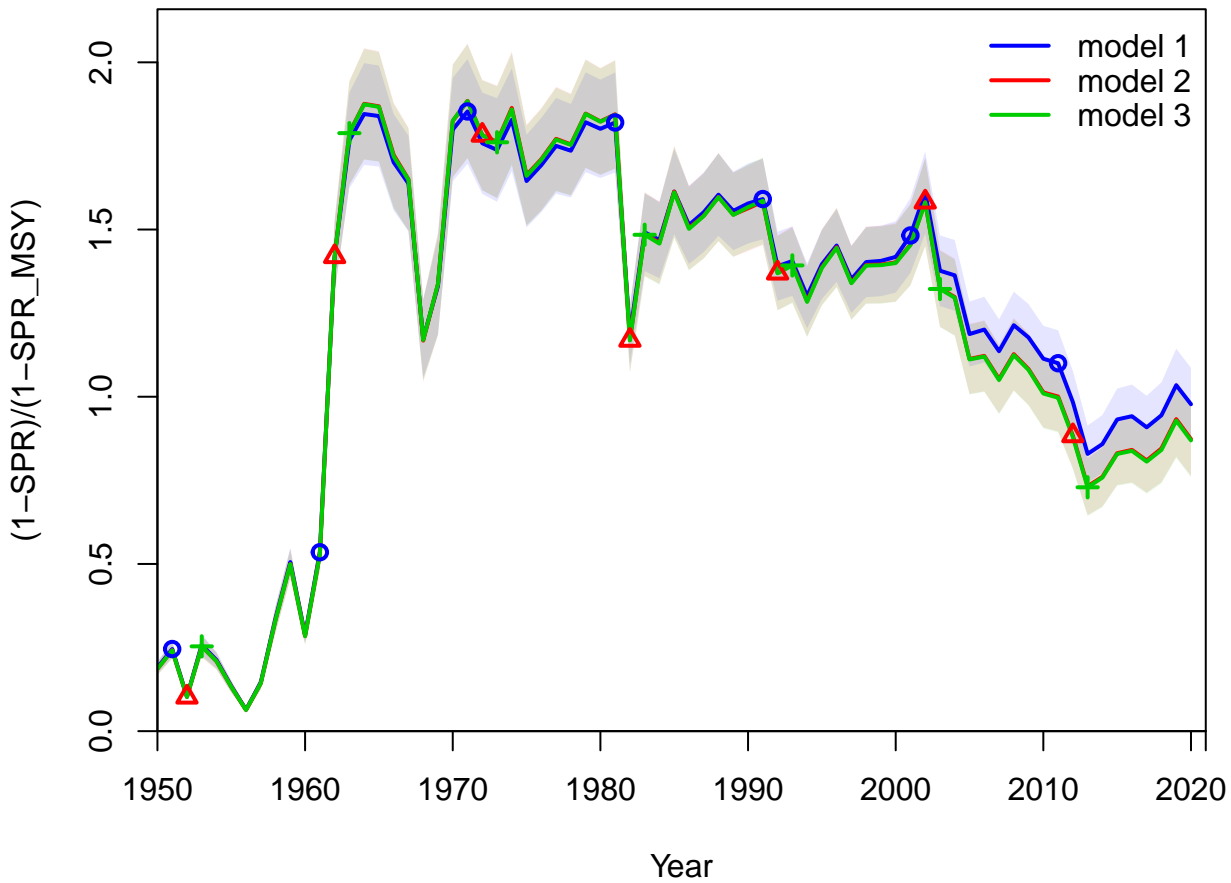
Fraction of unfished





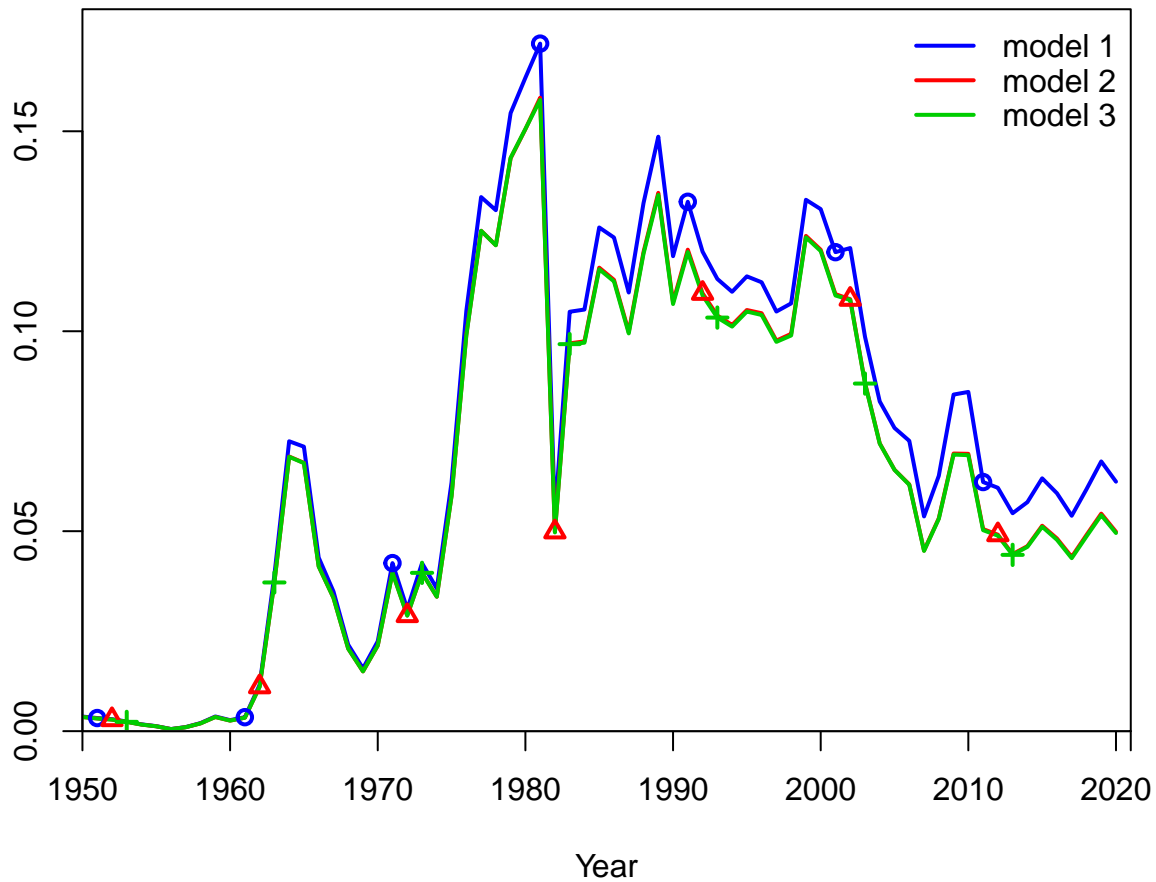




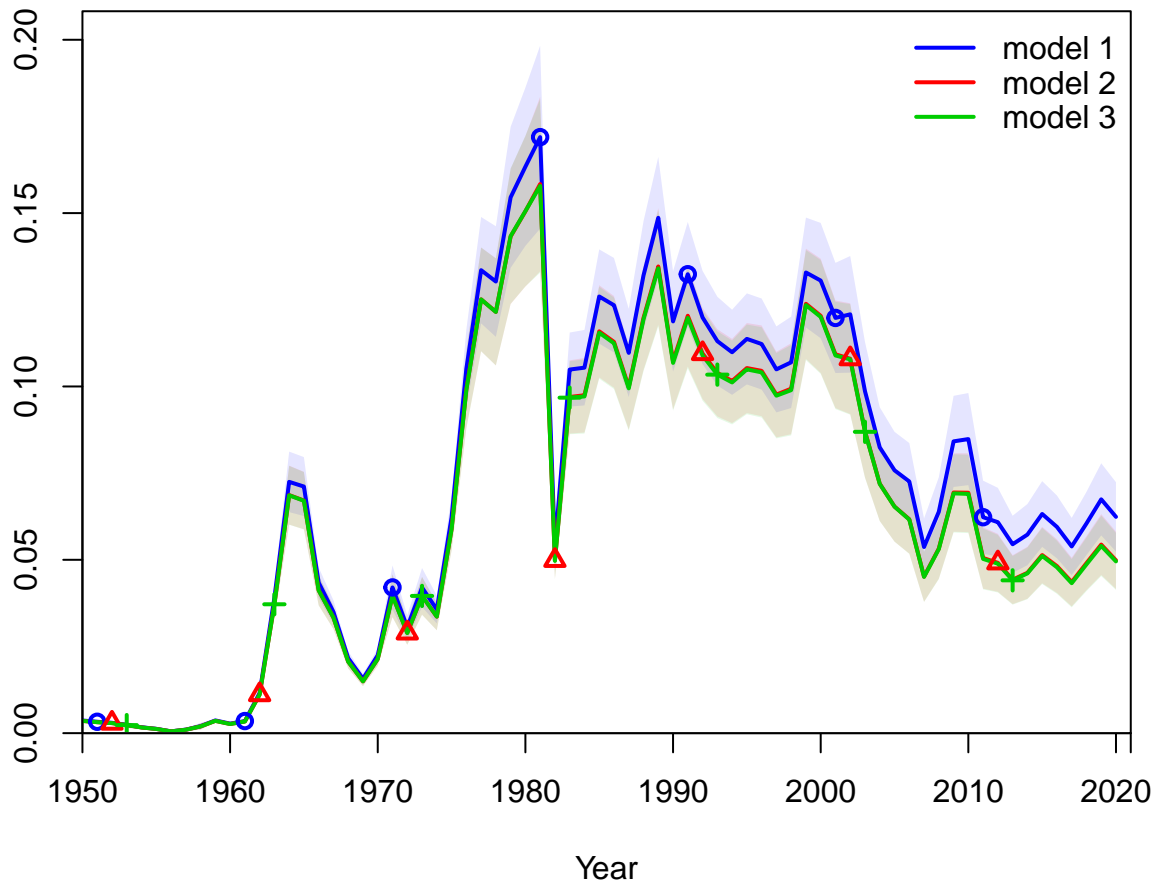


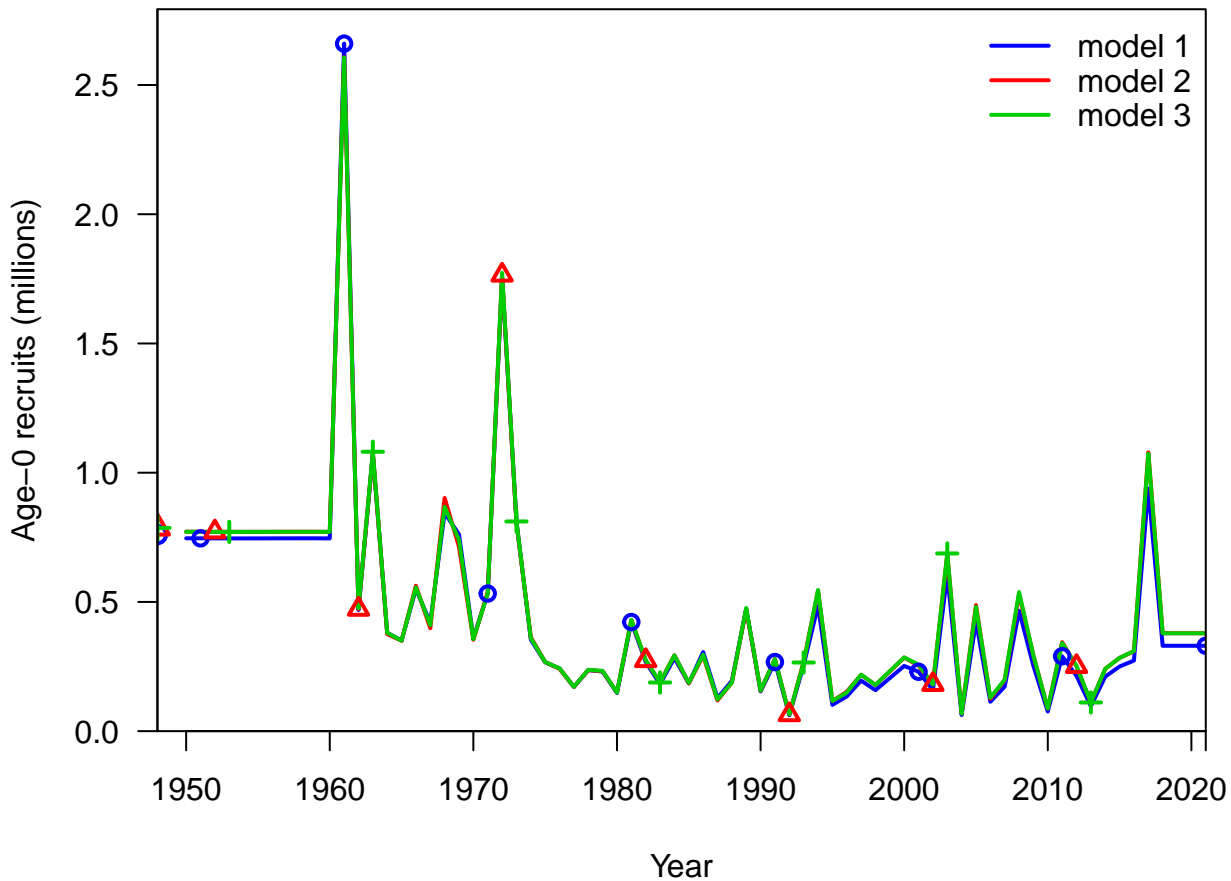


abs F<sub>-</sub> with F=Z-M; for ages 10-20



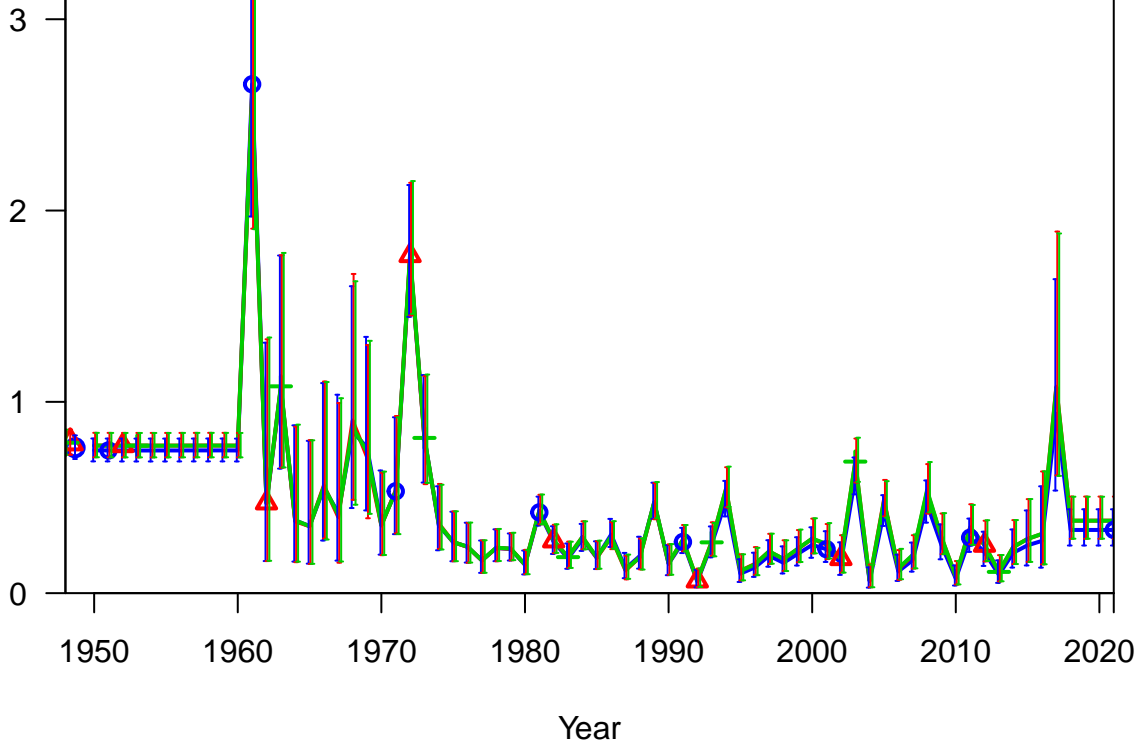
abs F<sup>-</sup>, with F=Z-M; for ages 10 20



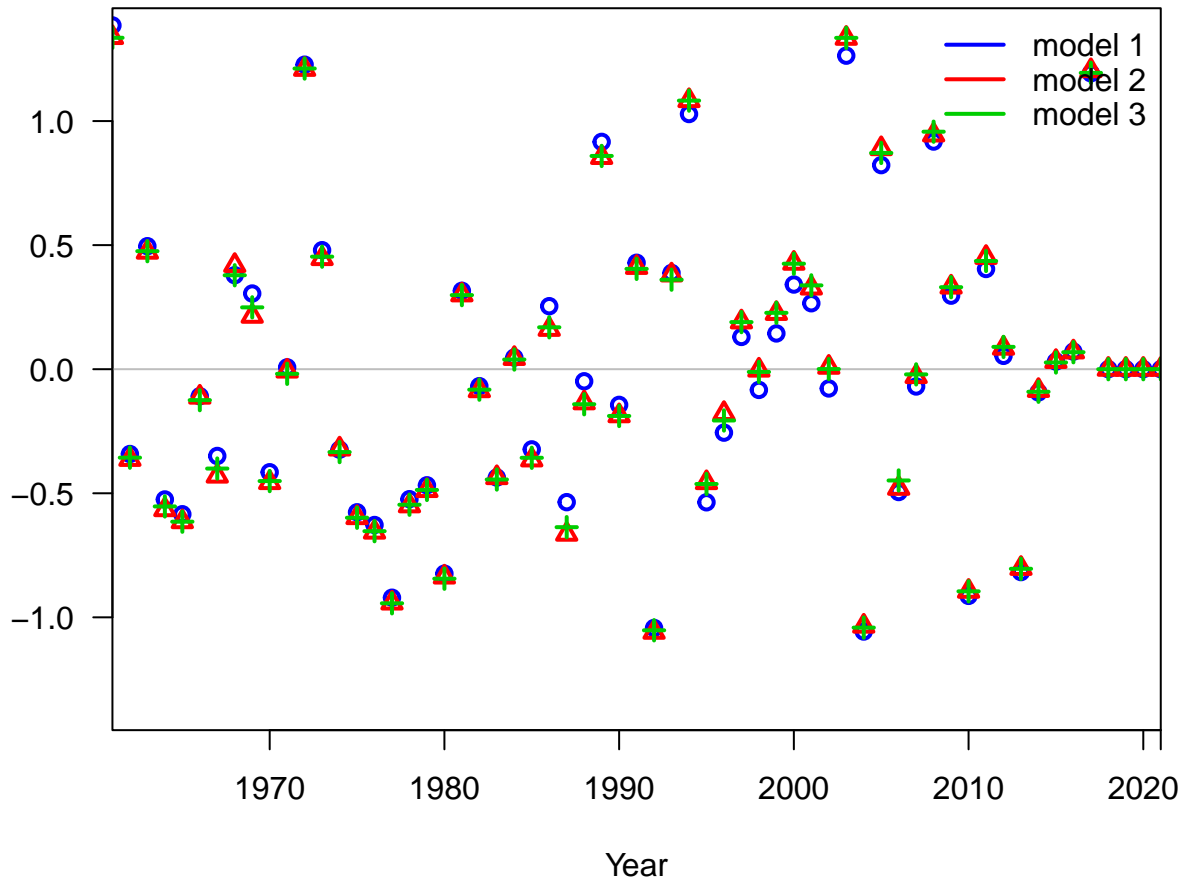


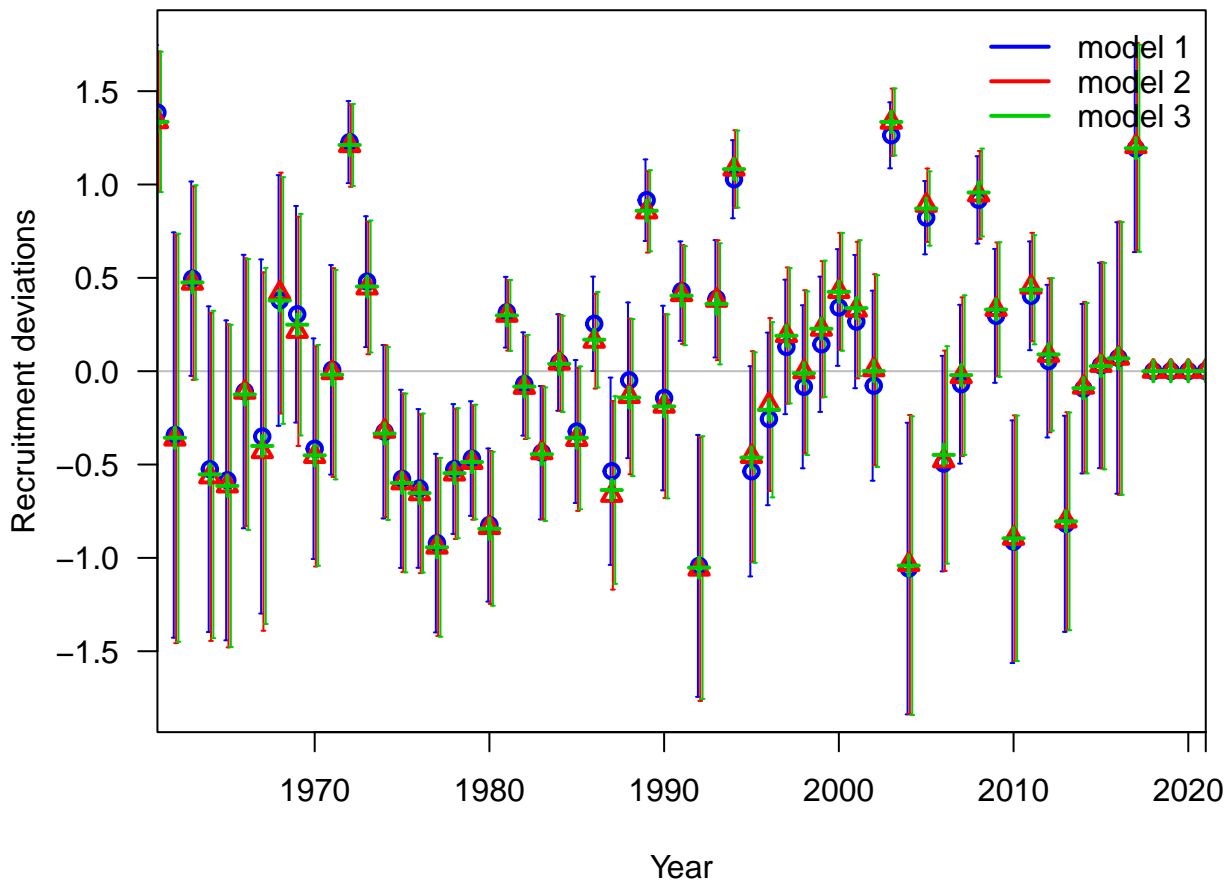
Age-0 recruits (millions)

model 1  
model 2  
model 3

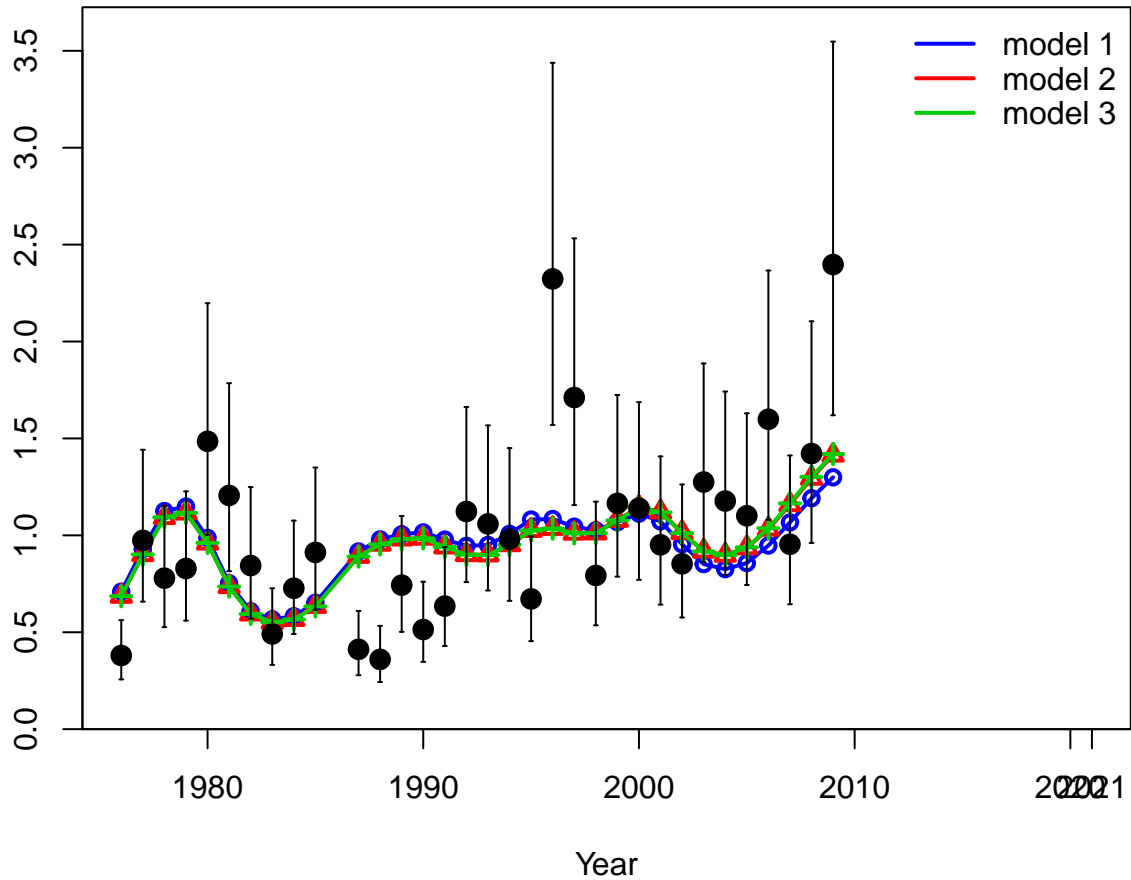


Recruitment deviations

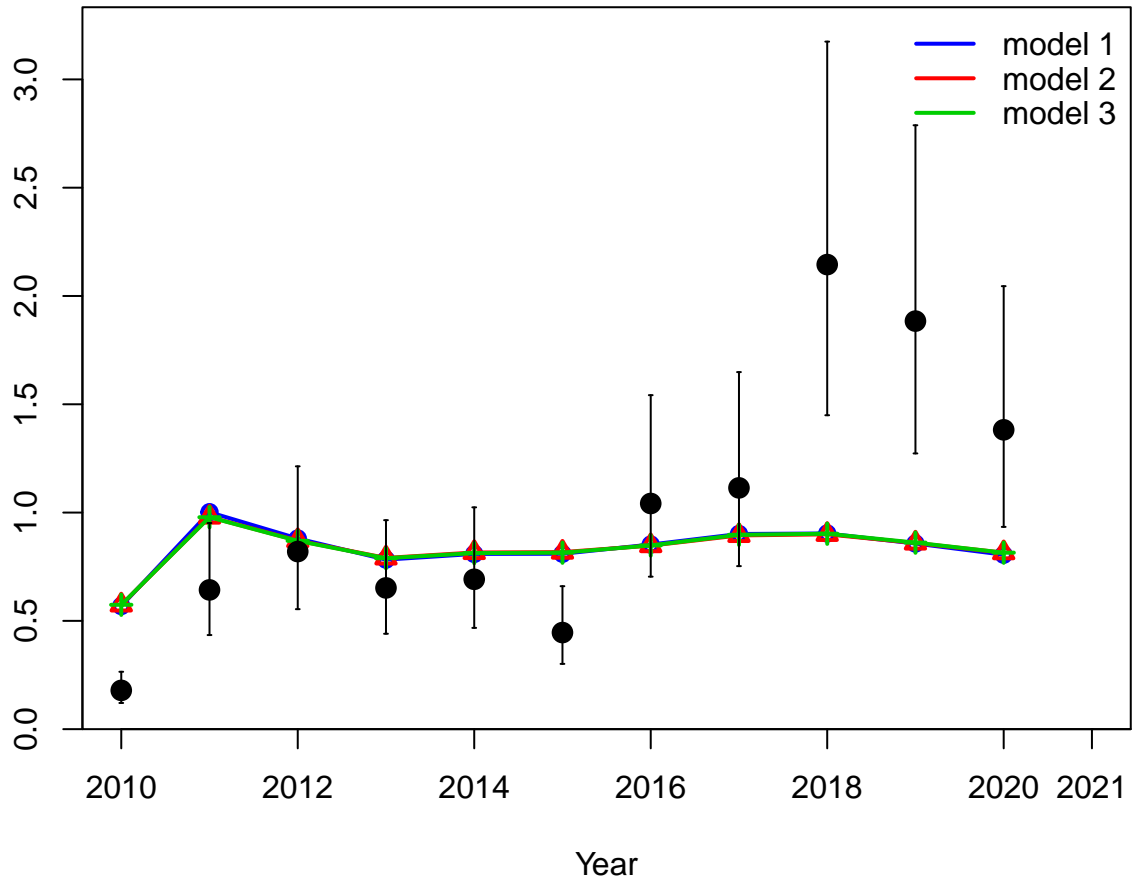




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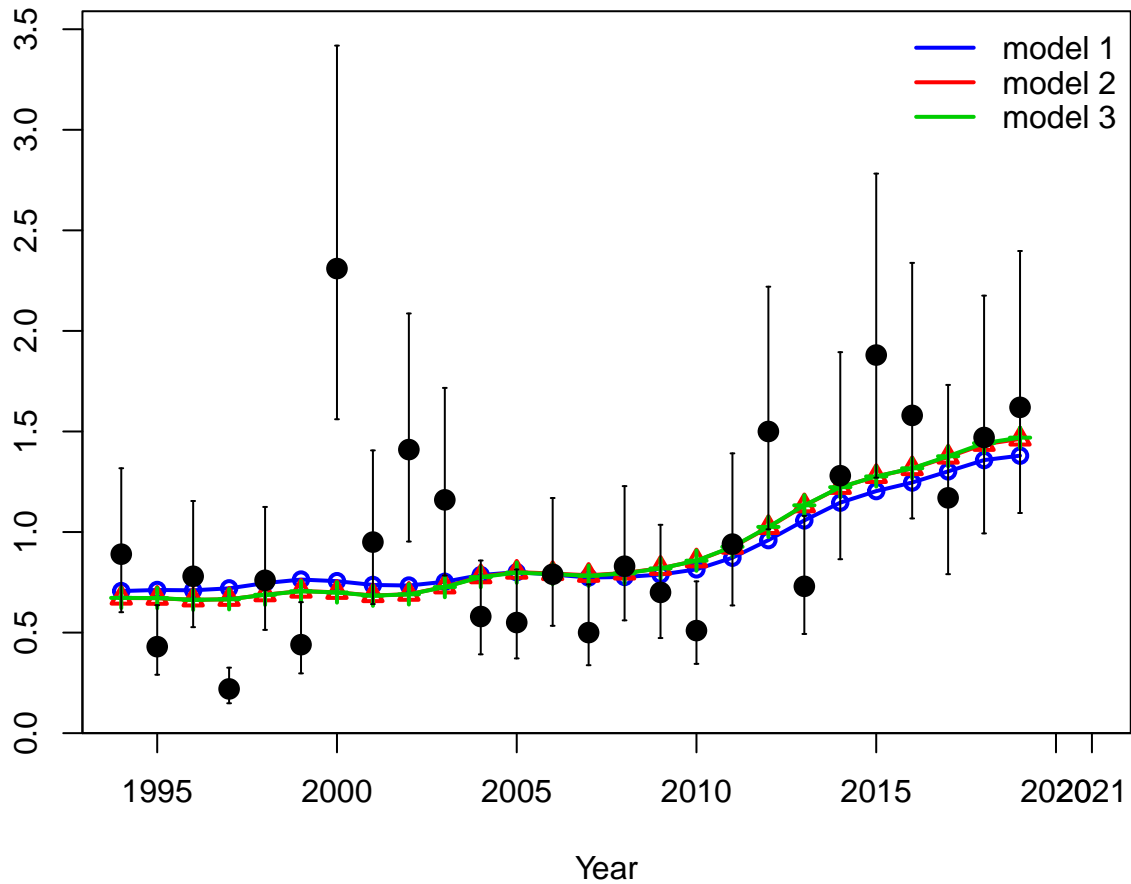


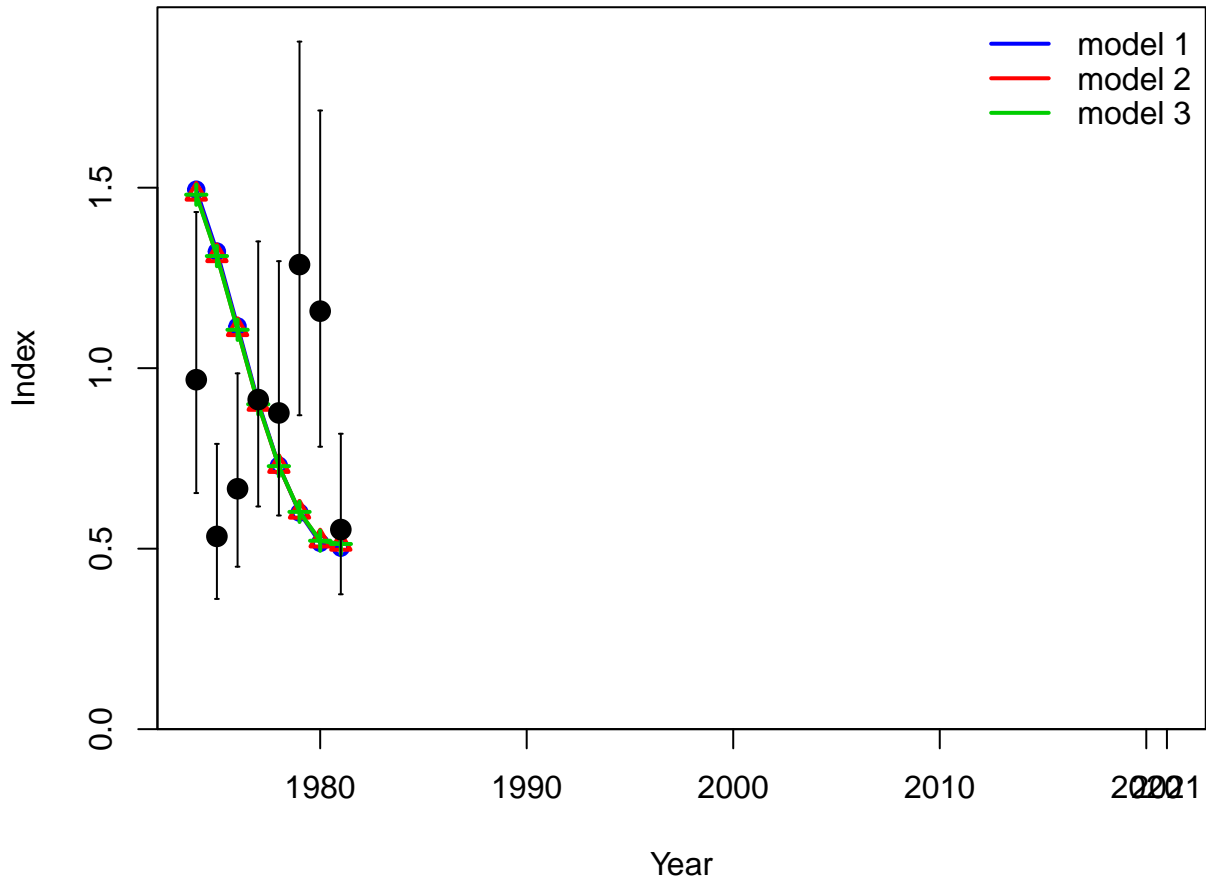
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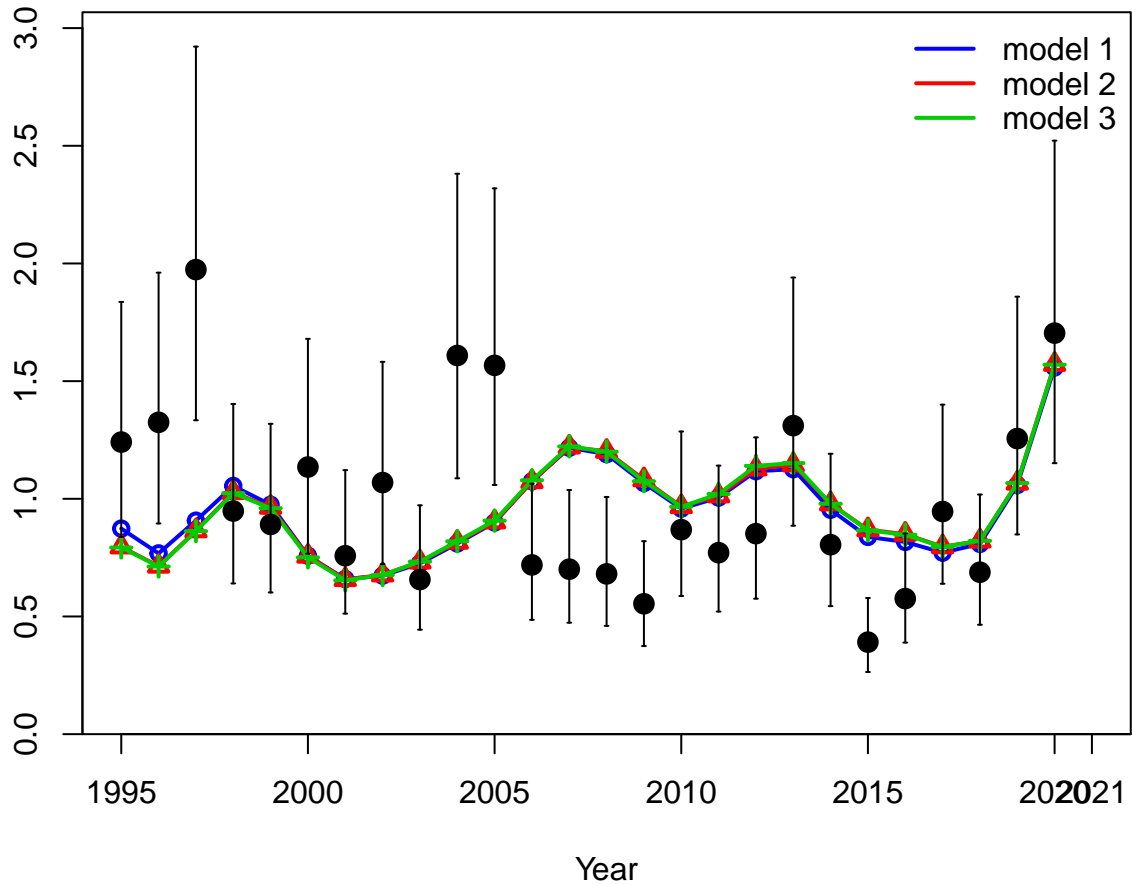


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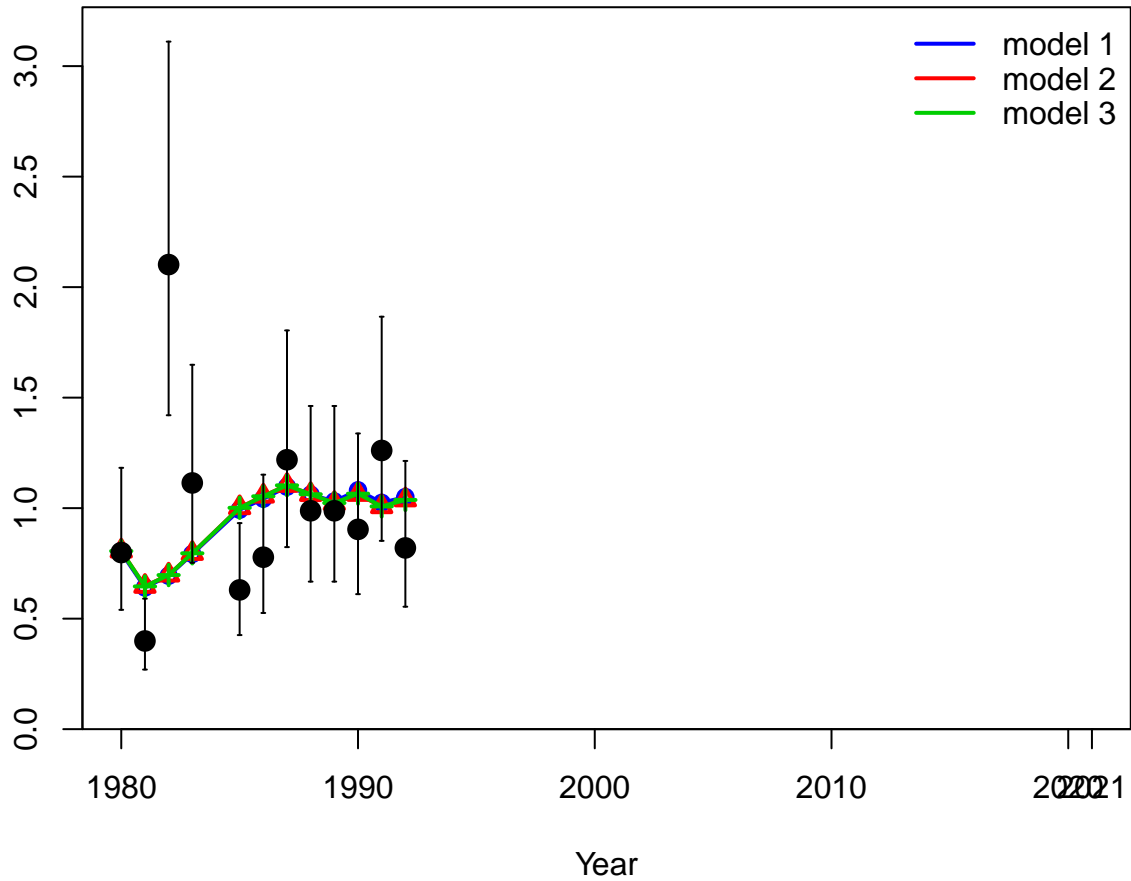




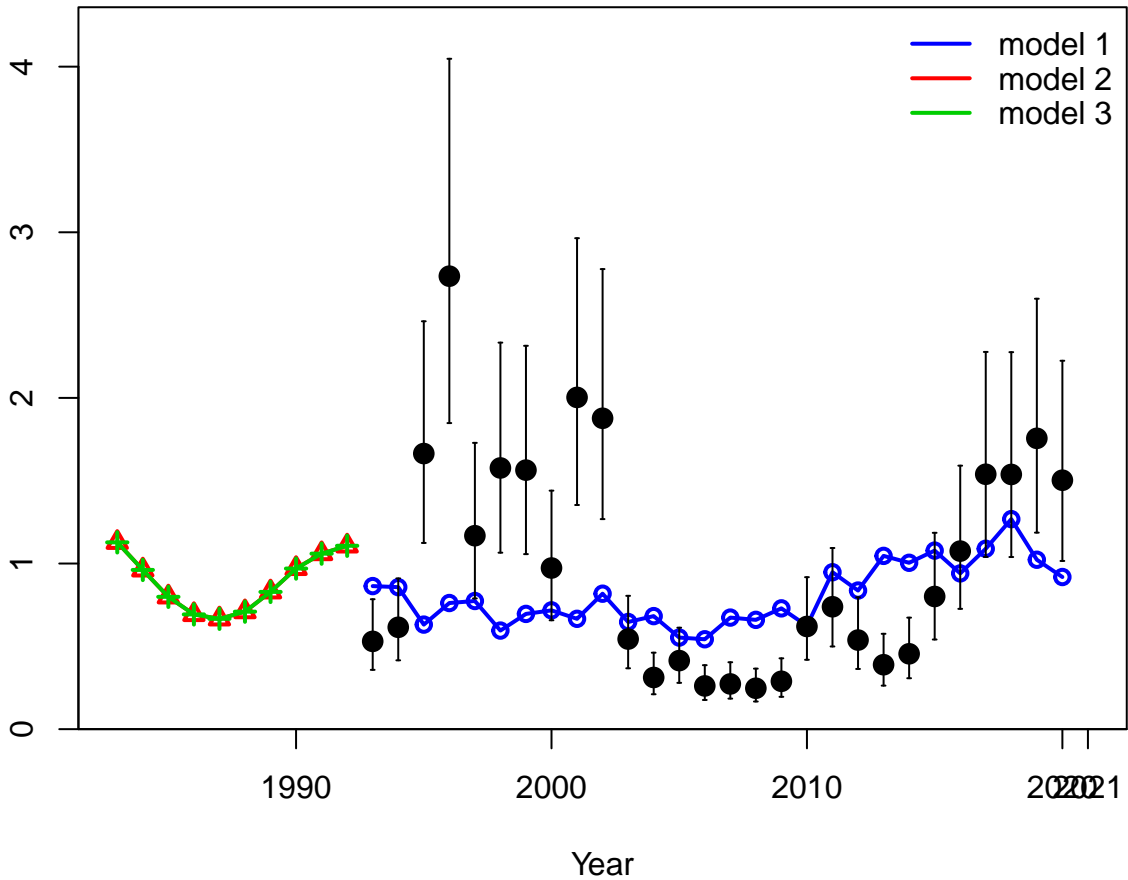
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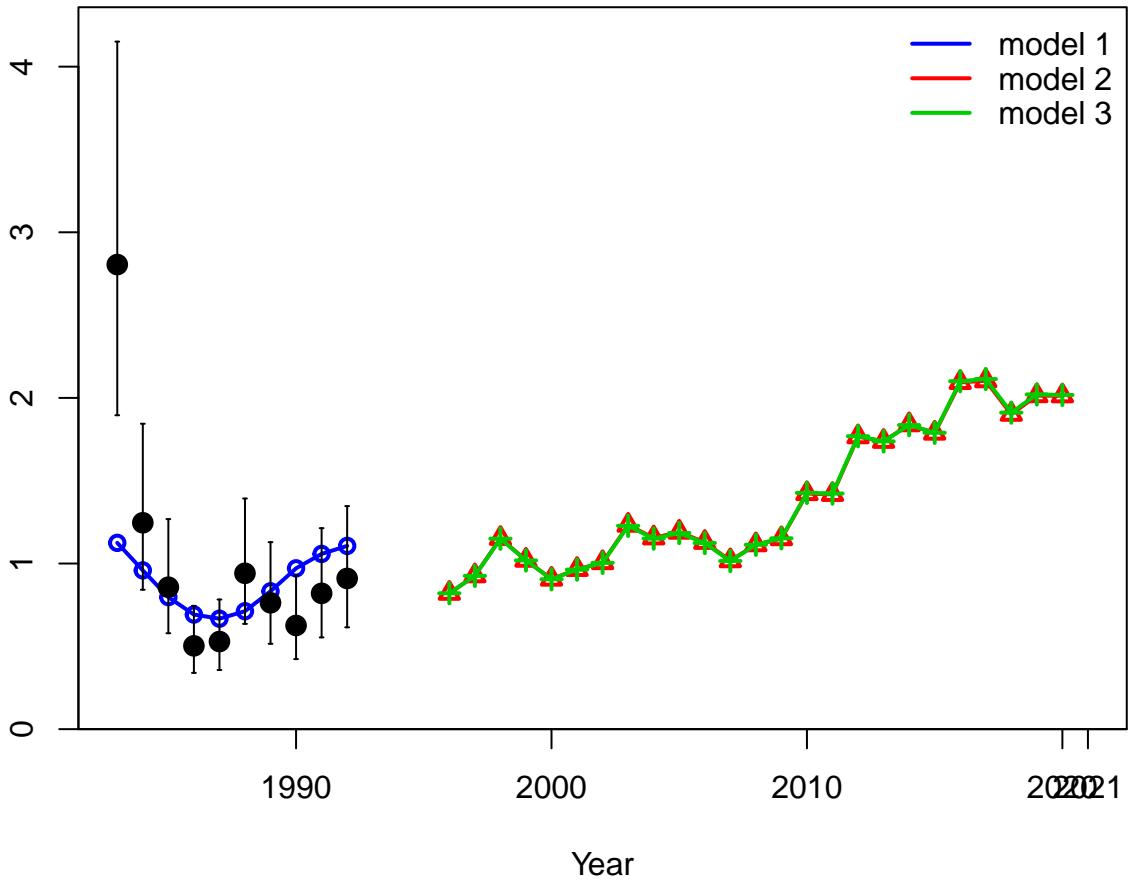
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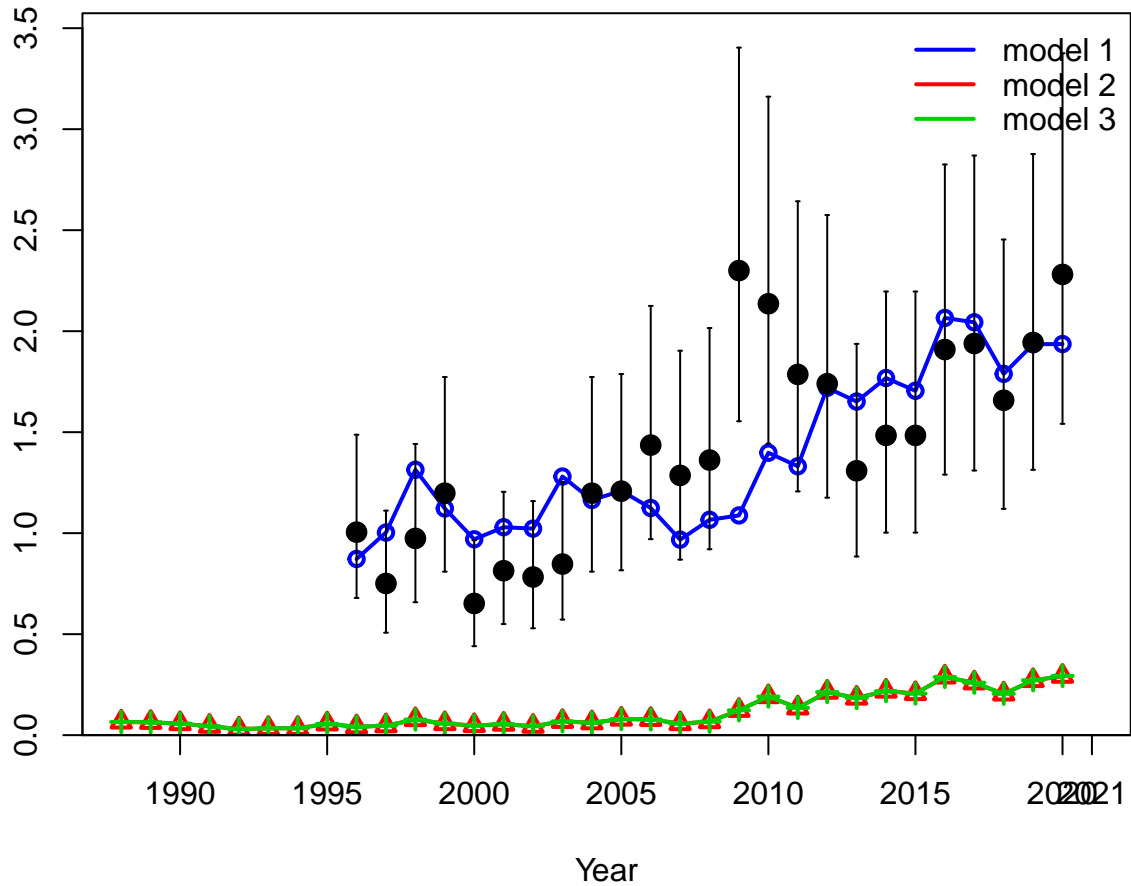
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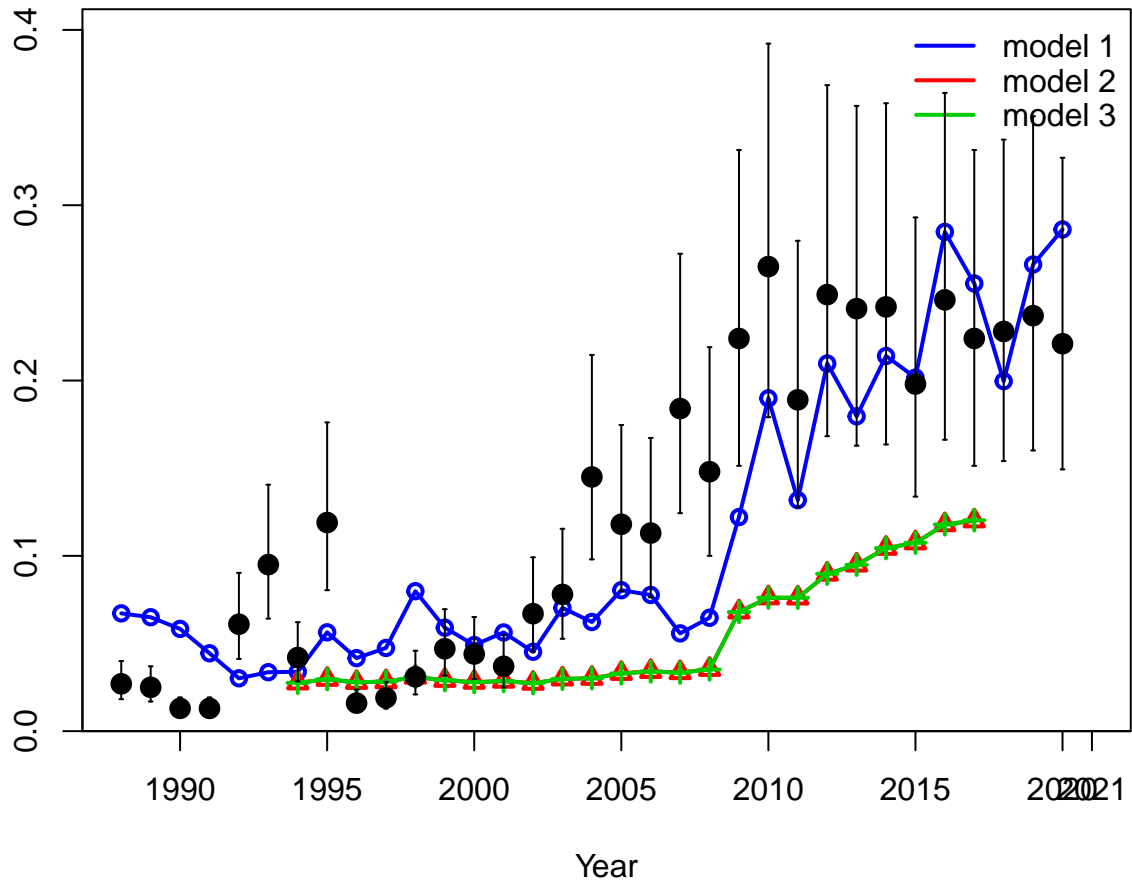
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6  
5  
4  
3  
2  
1  
0

model 1  
model 2  
model 3

1980

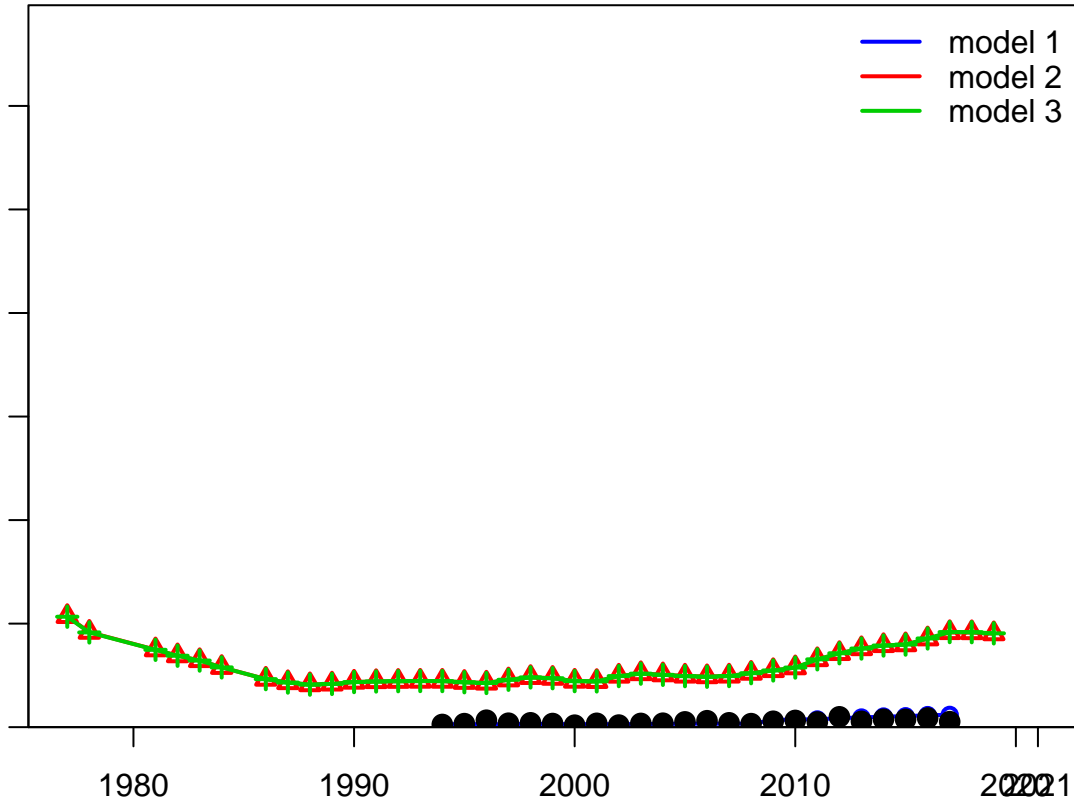
1990

2000

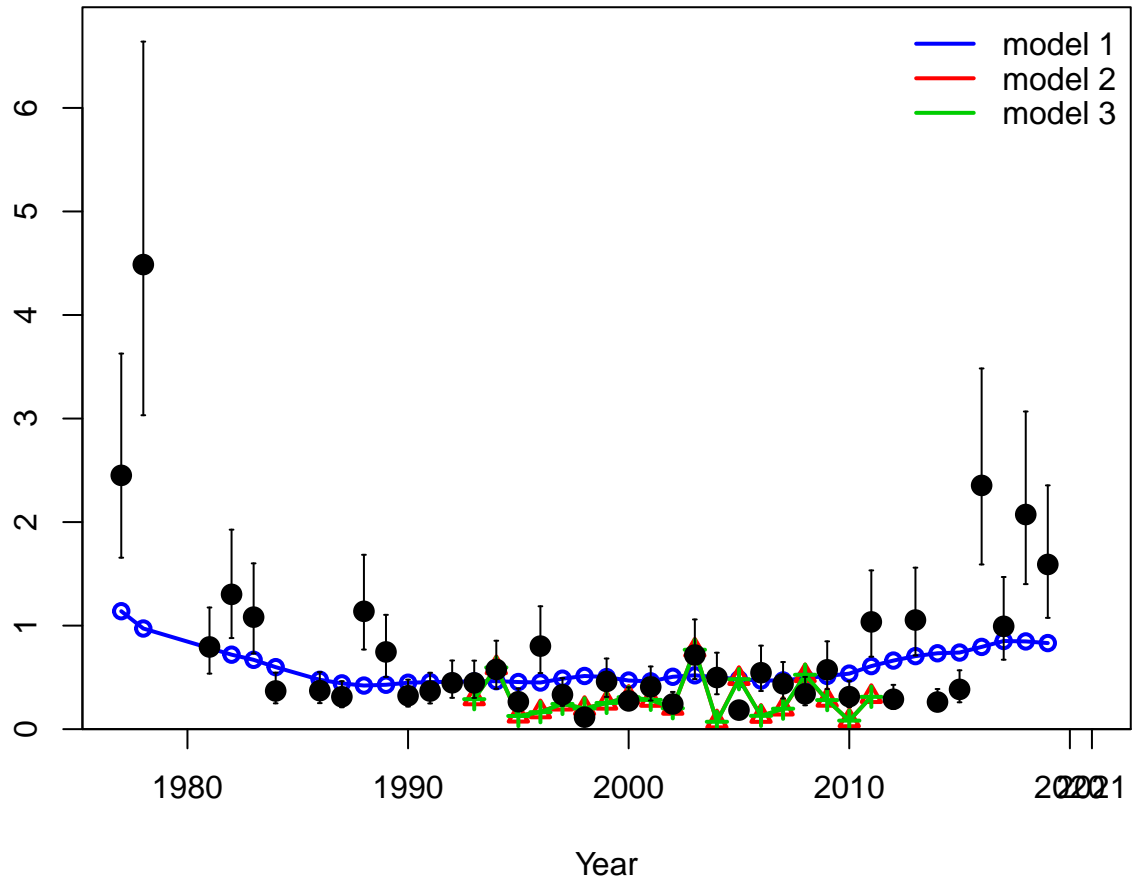
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2021

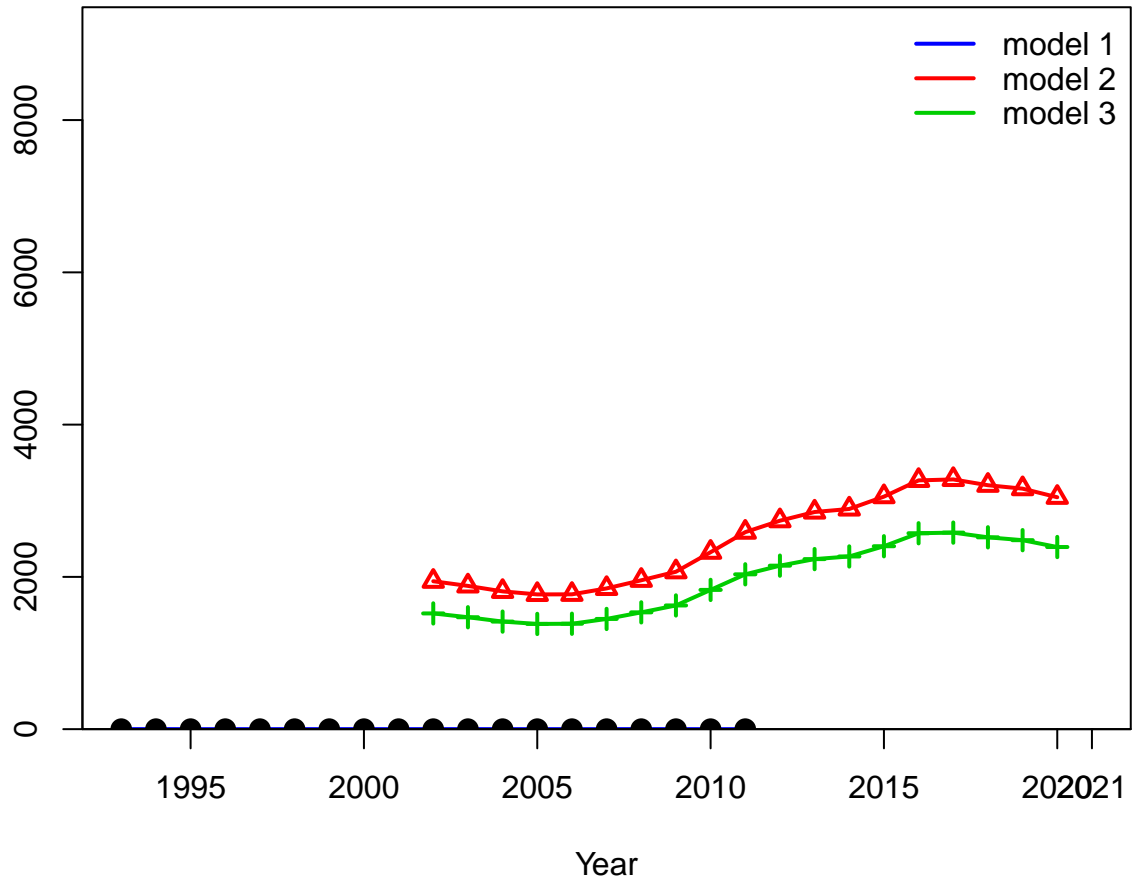
Year



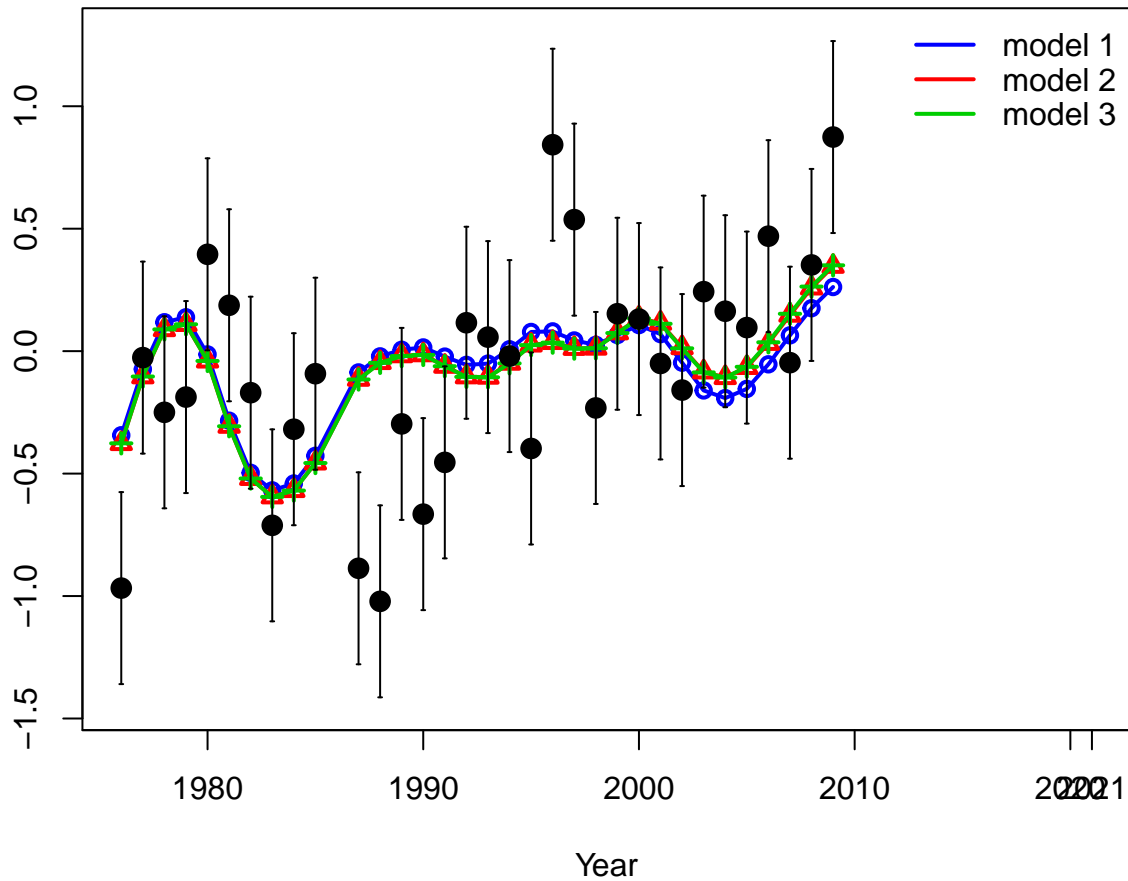
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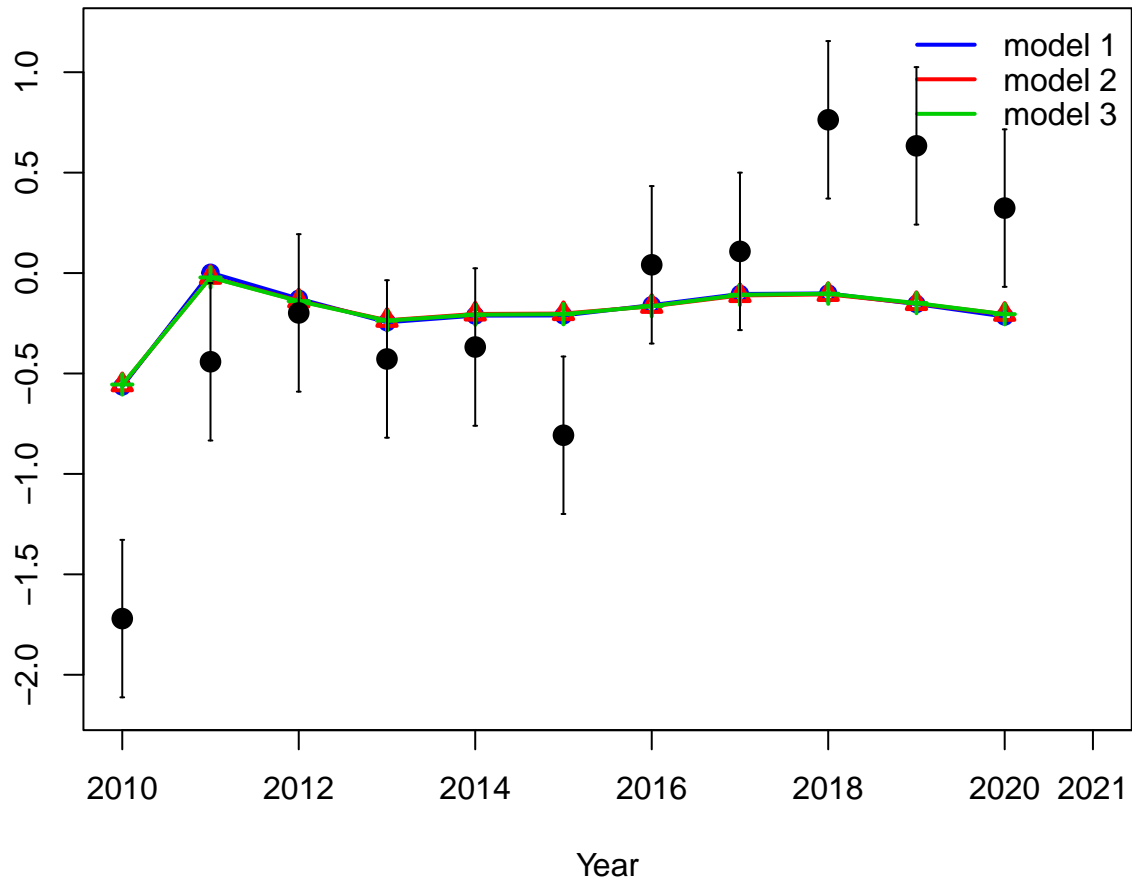
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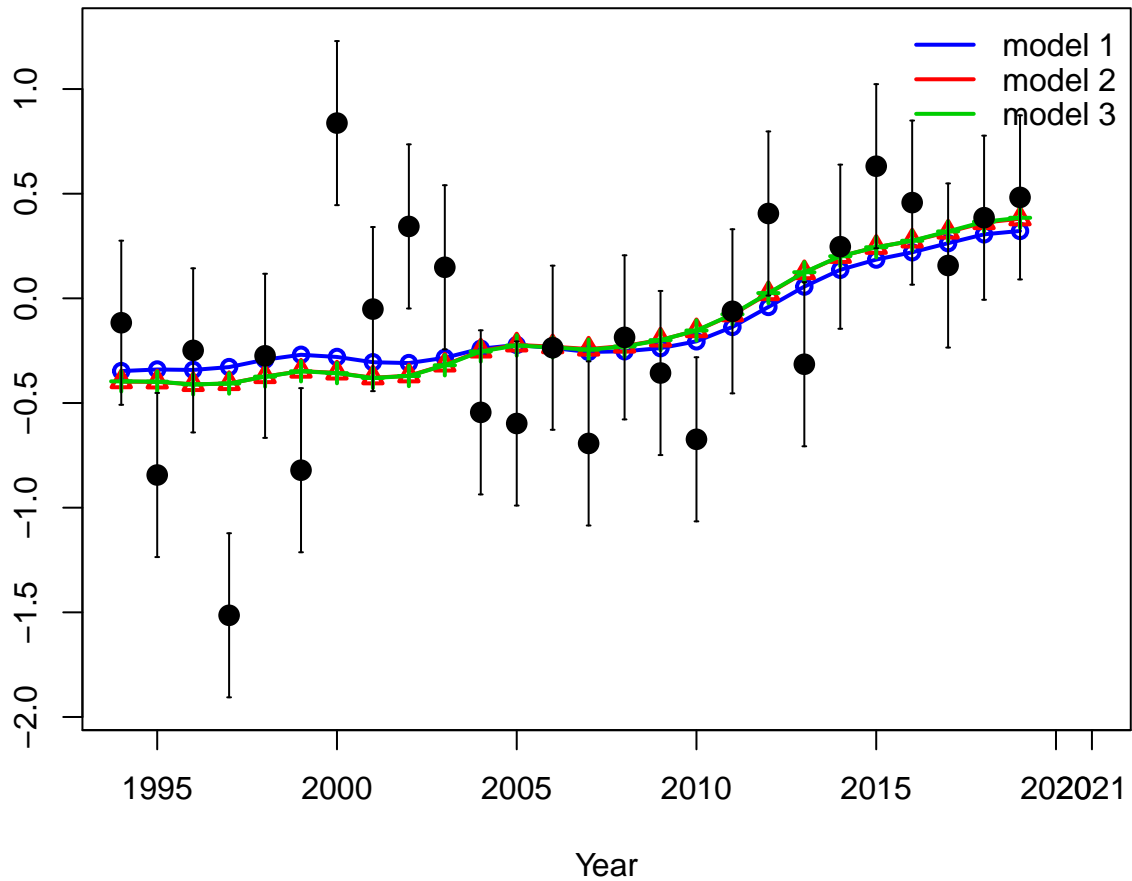
Log index



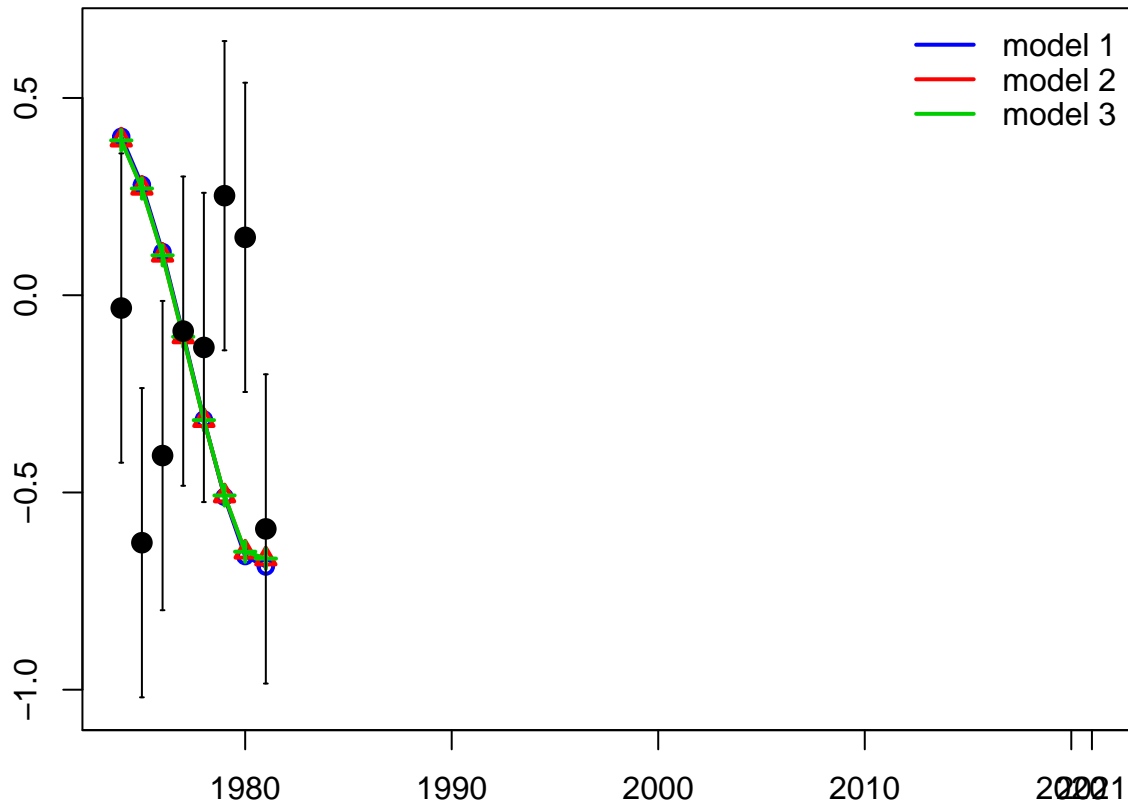
Log index



Log index

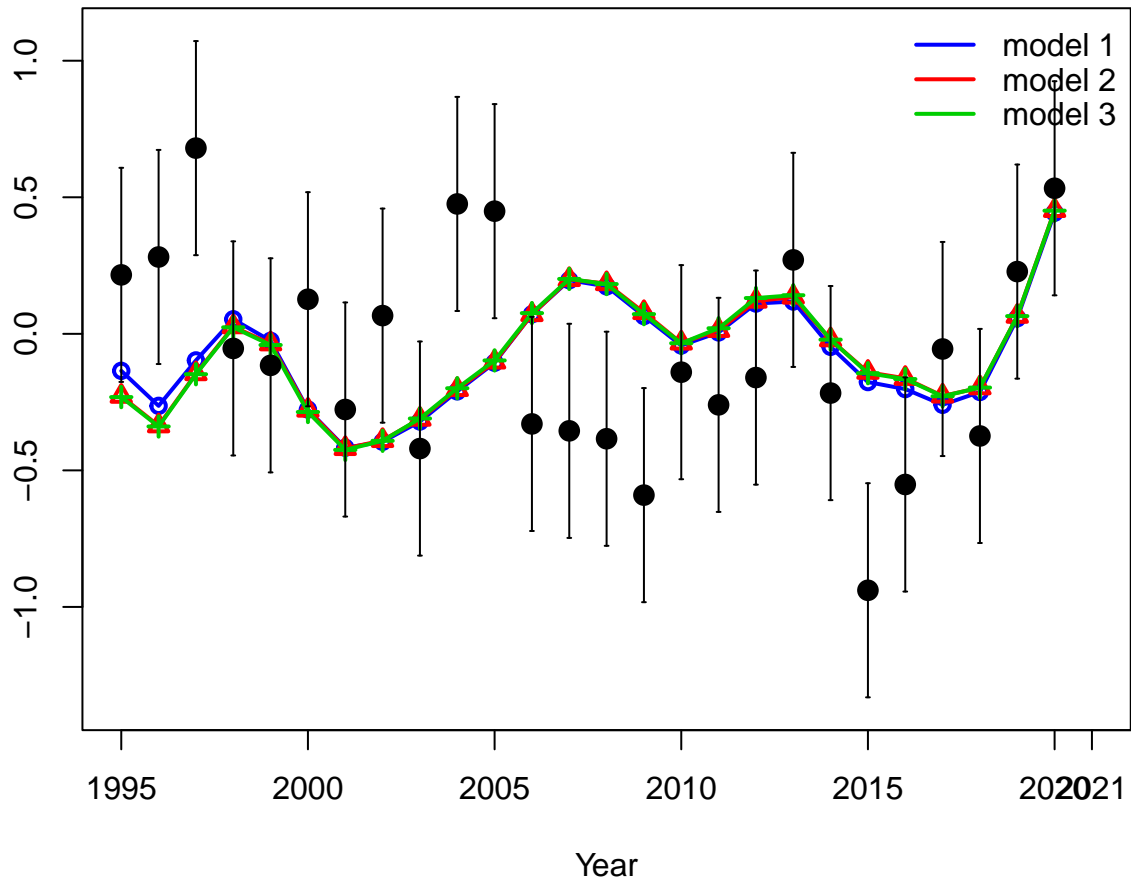


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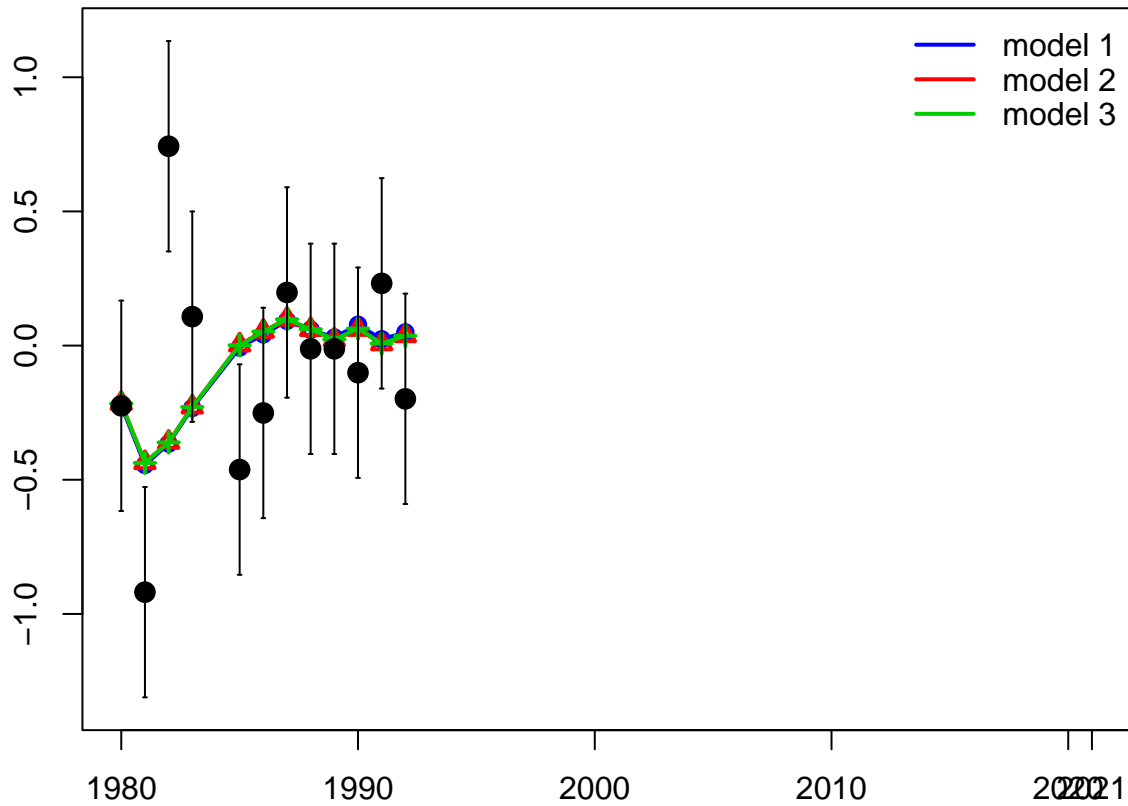
Year

Log index



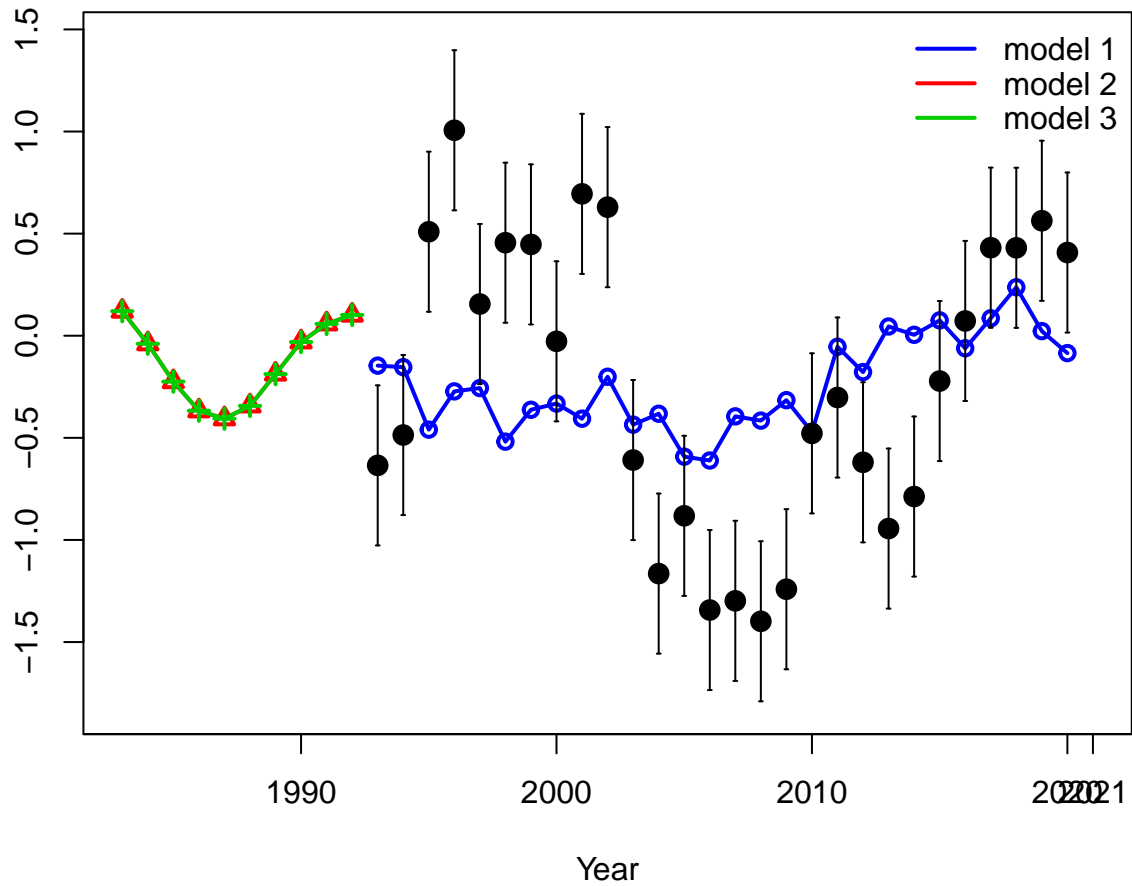


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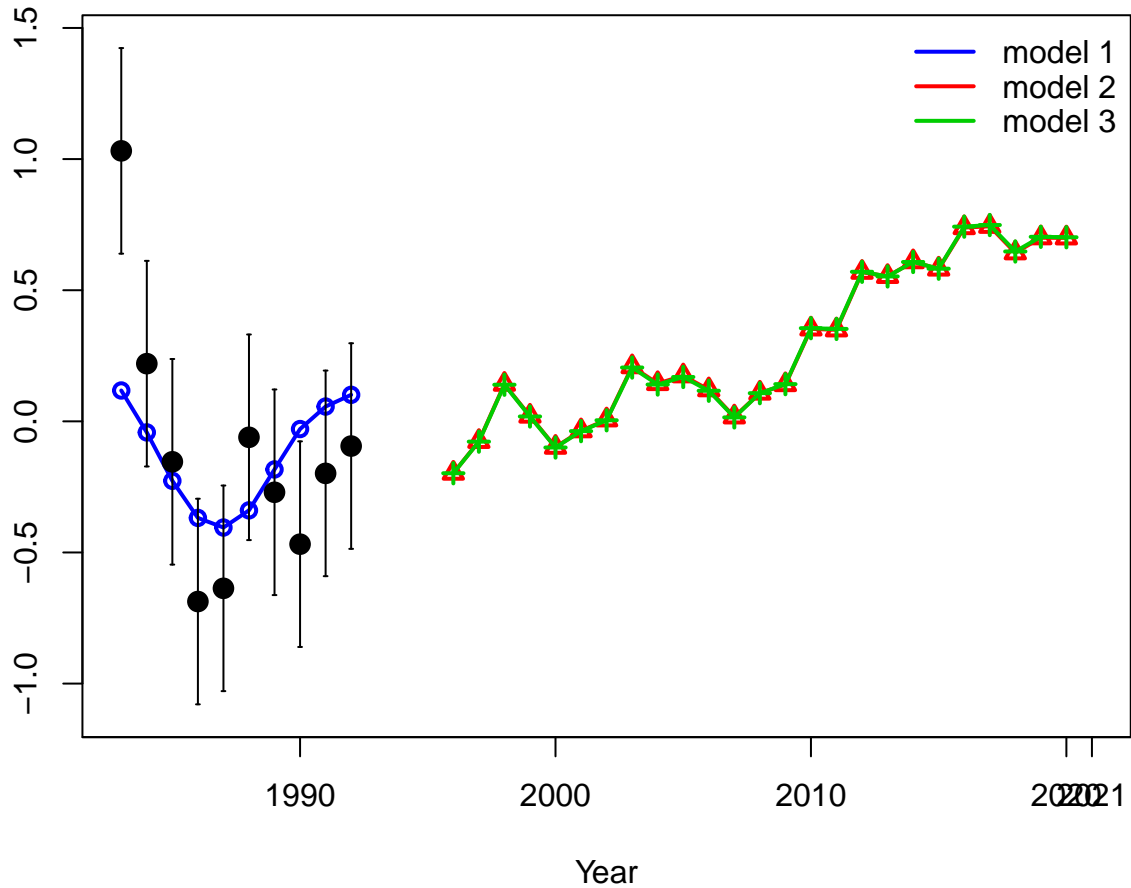


Year

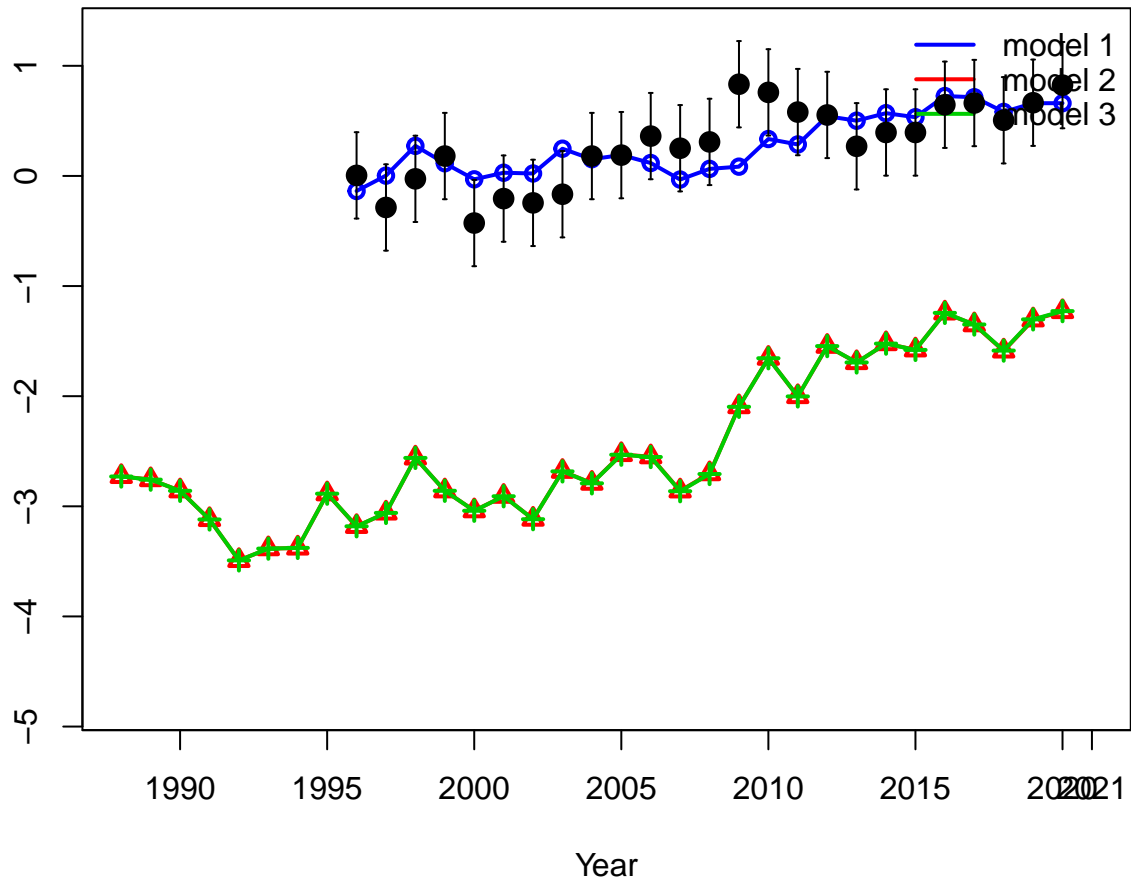
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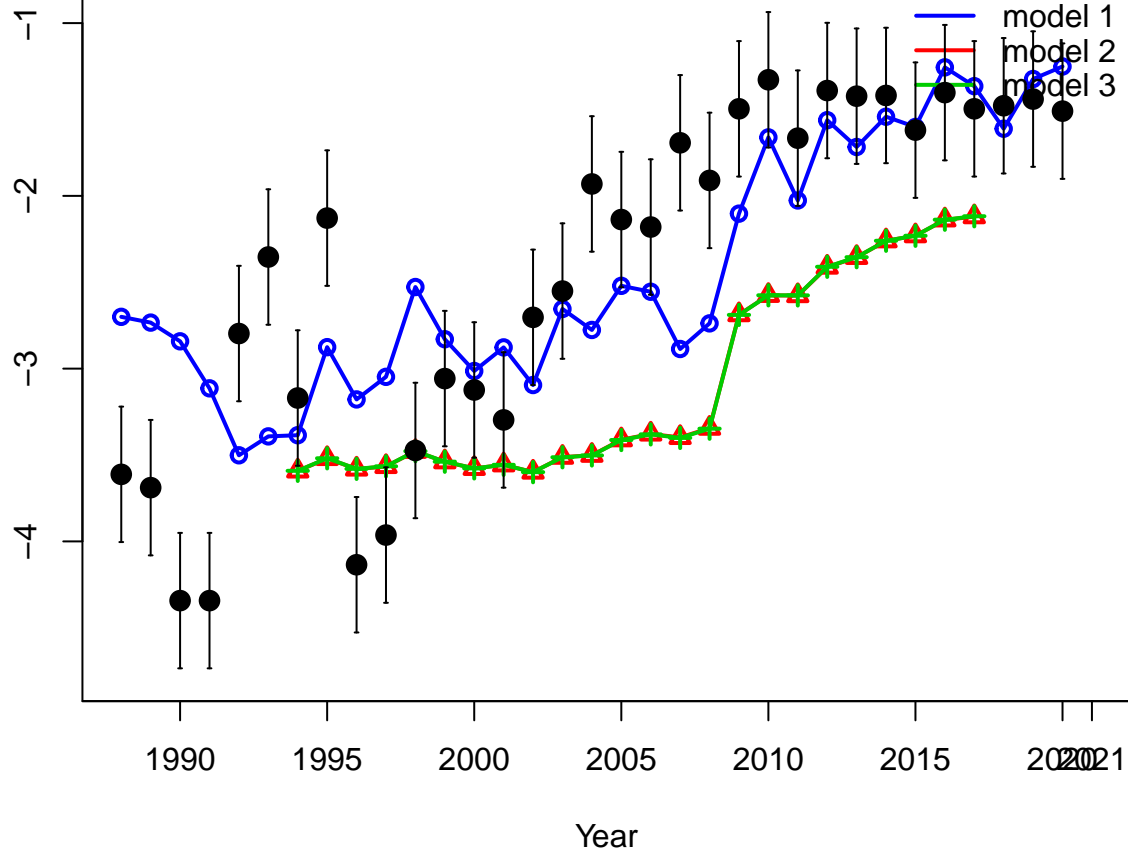
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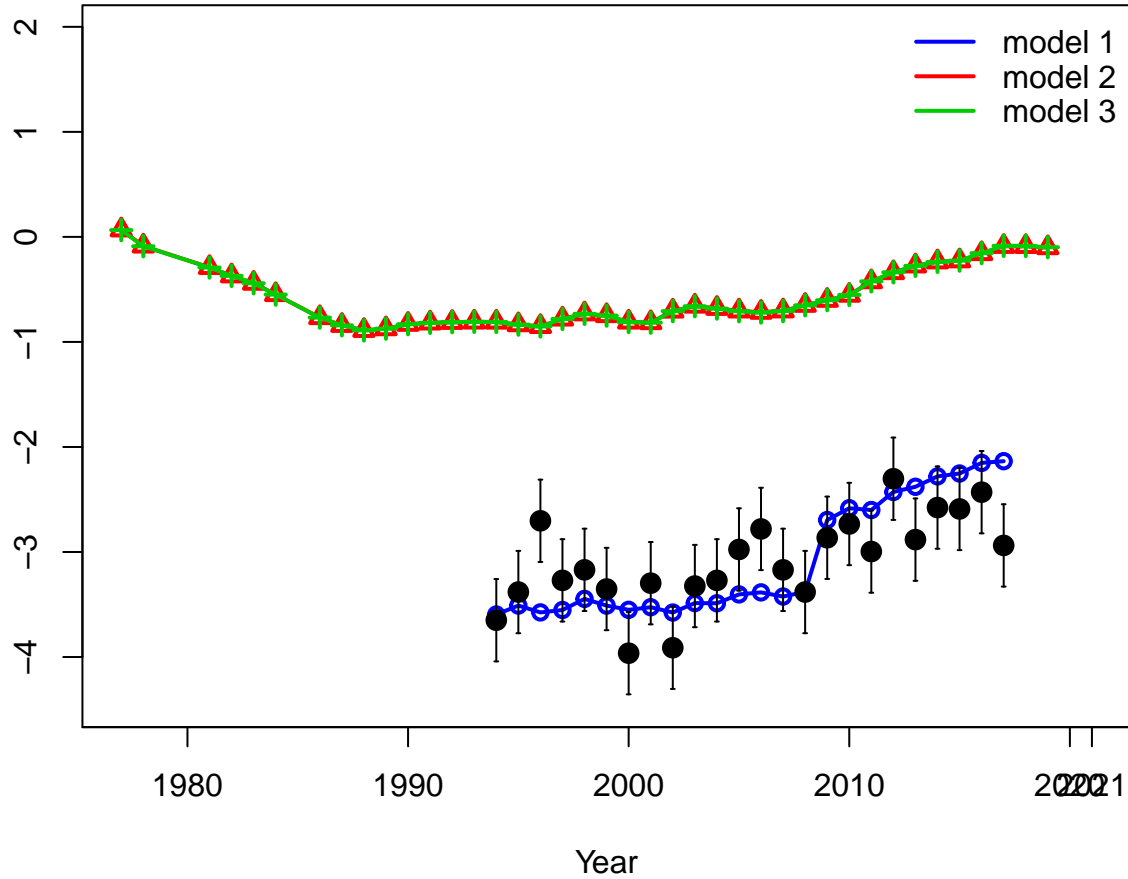
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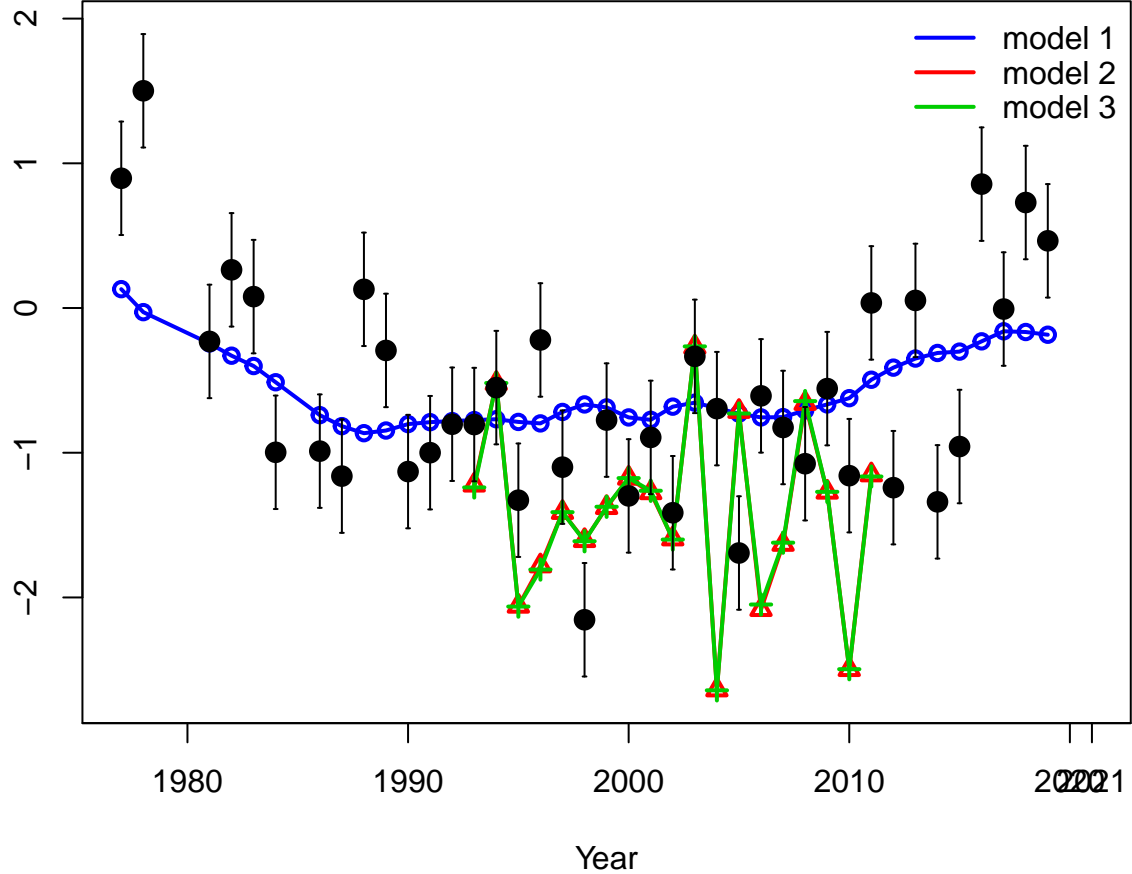
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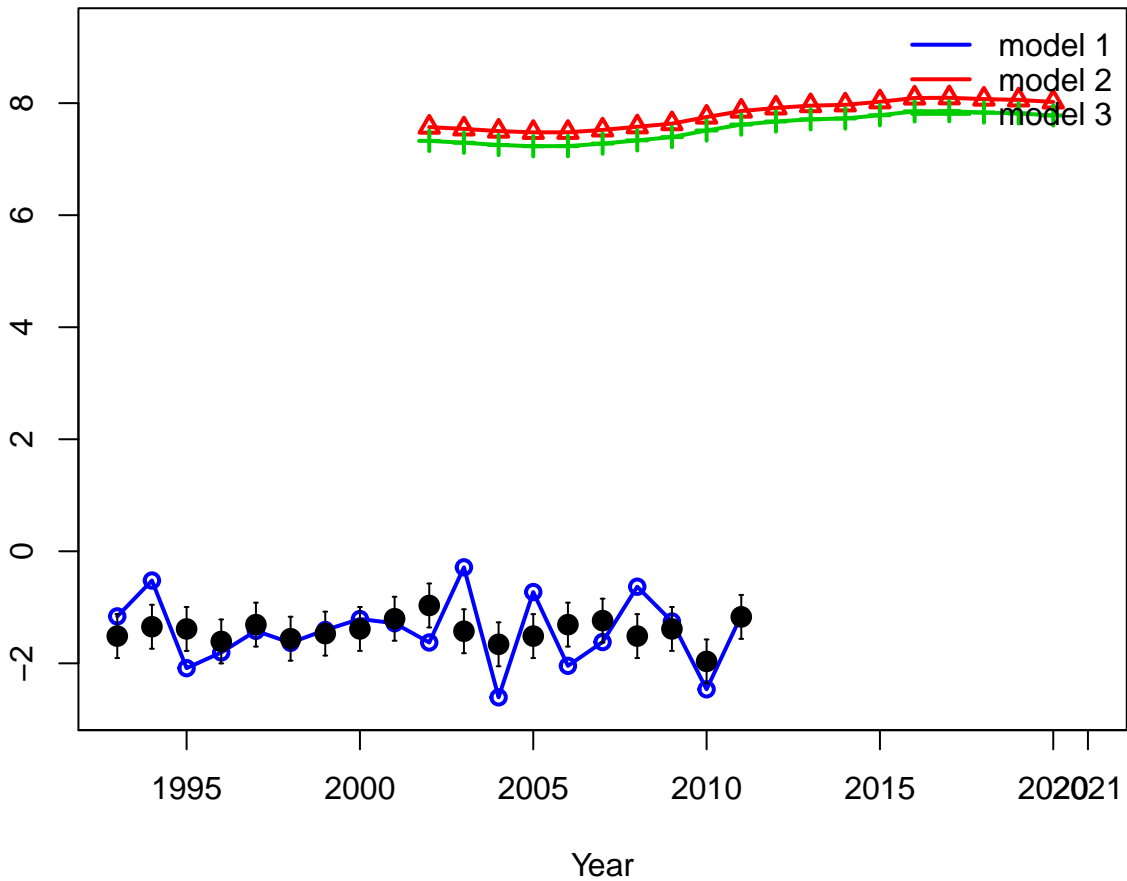
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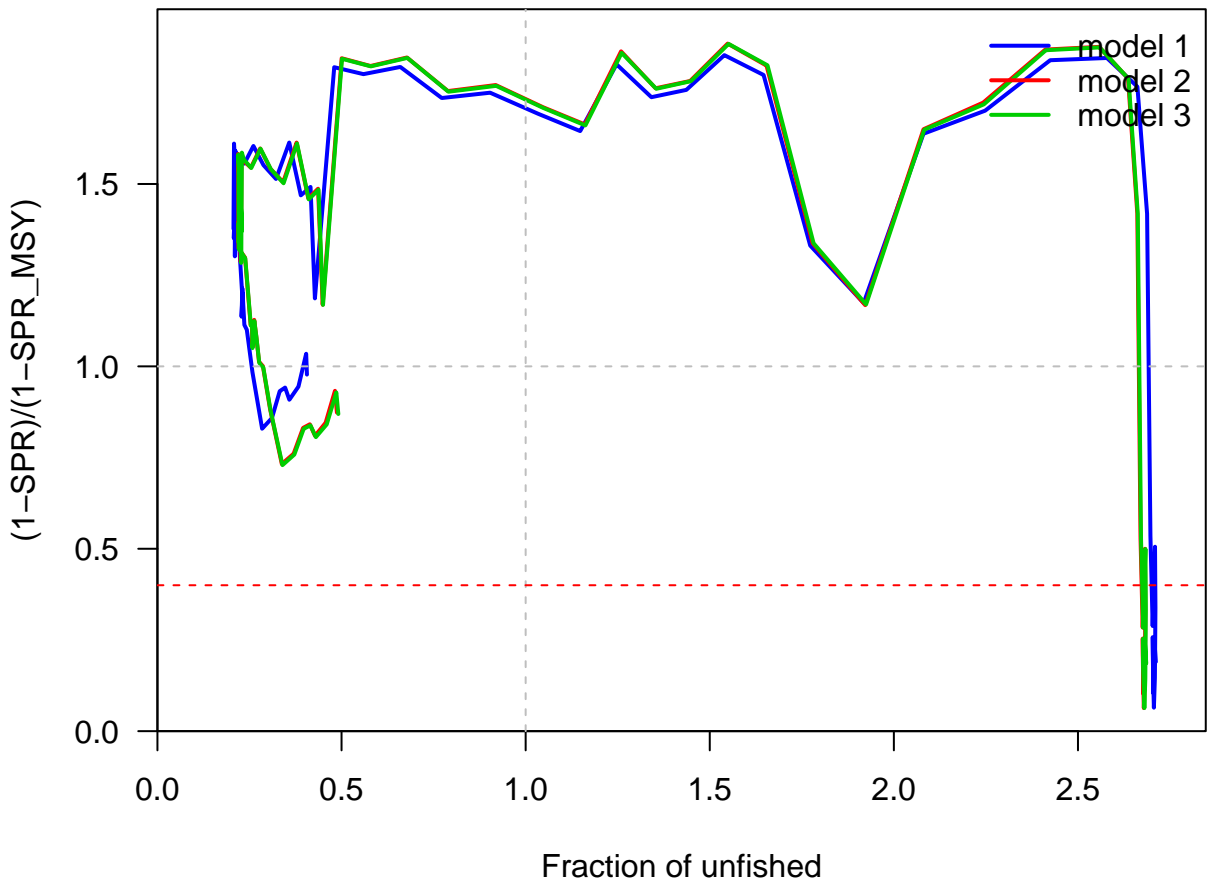
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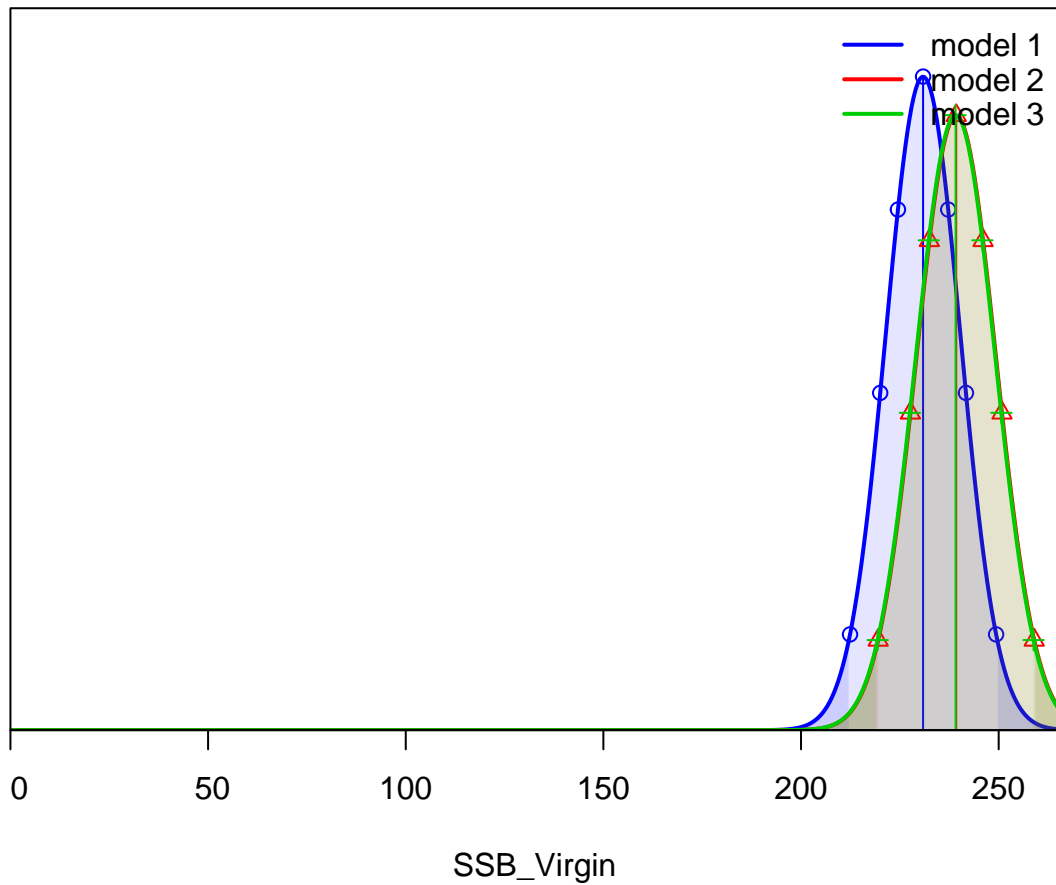
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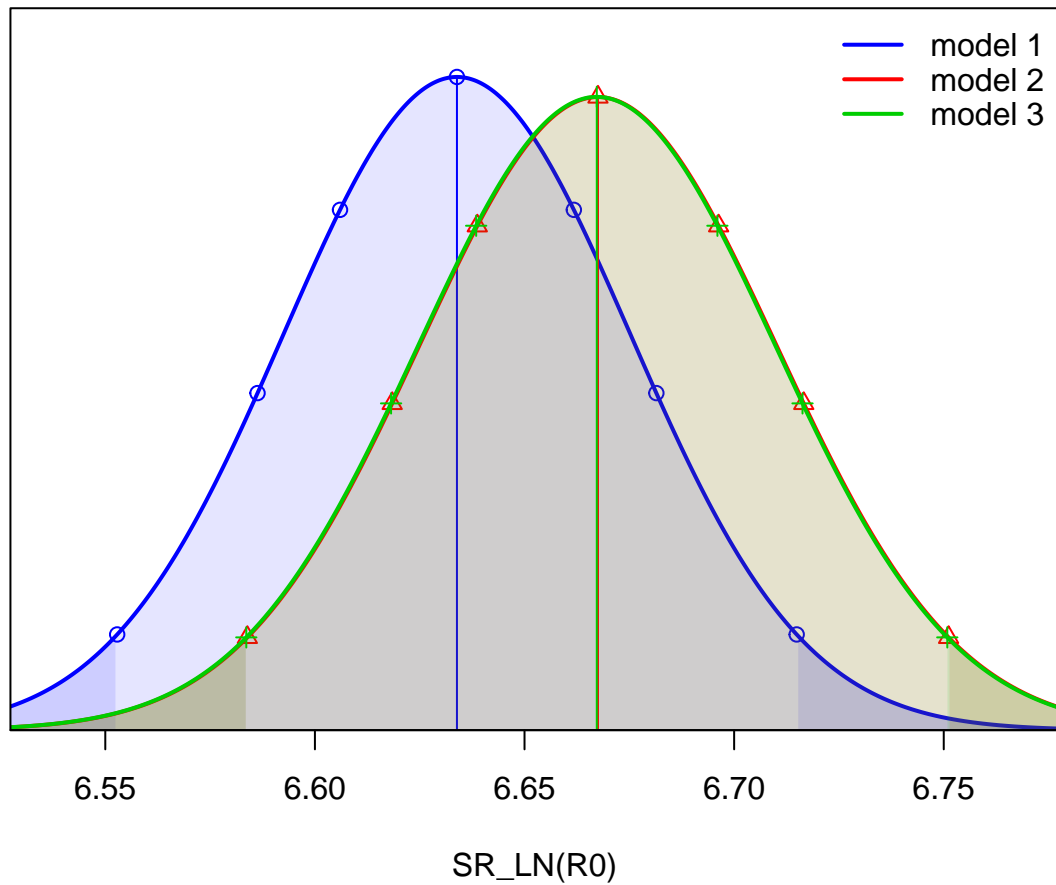




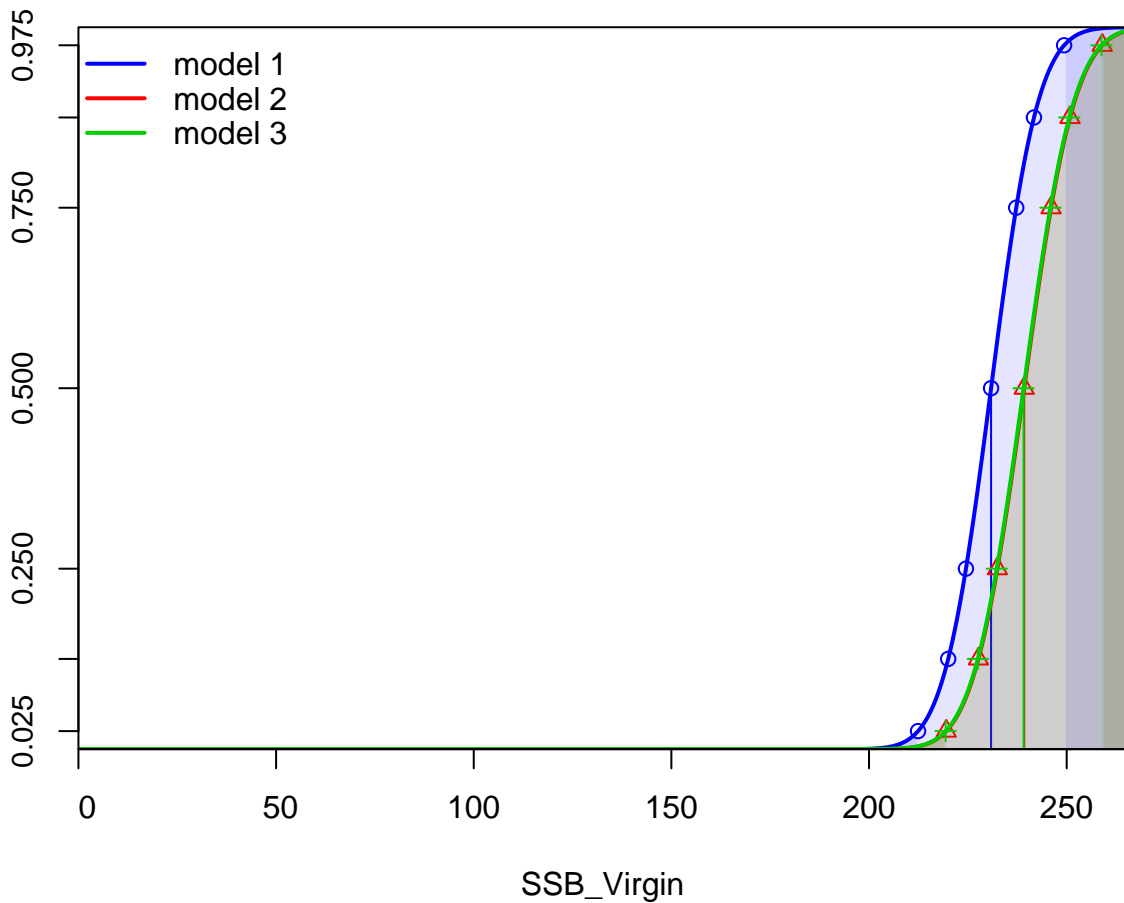
Density



Density



Cumulative Probability



Cumulative Probability

