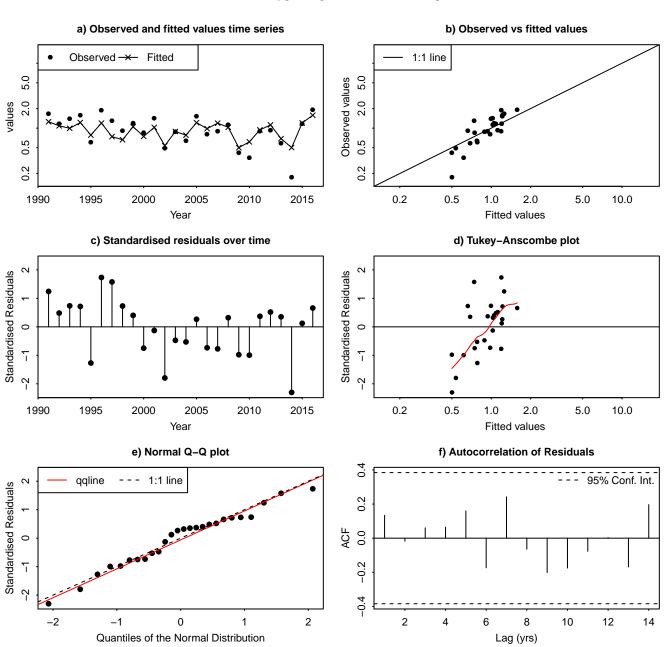
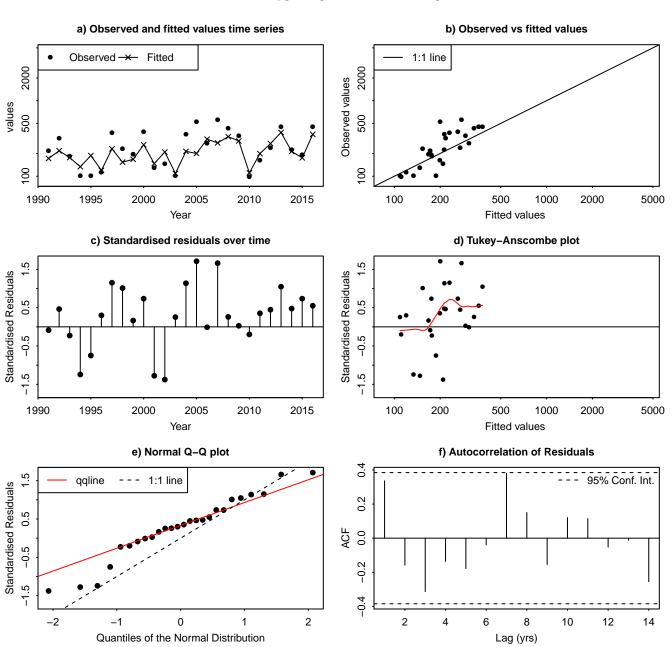
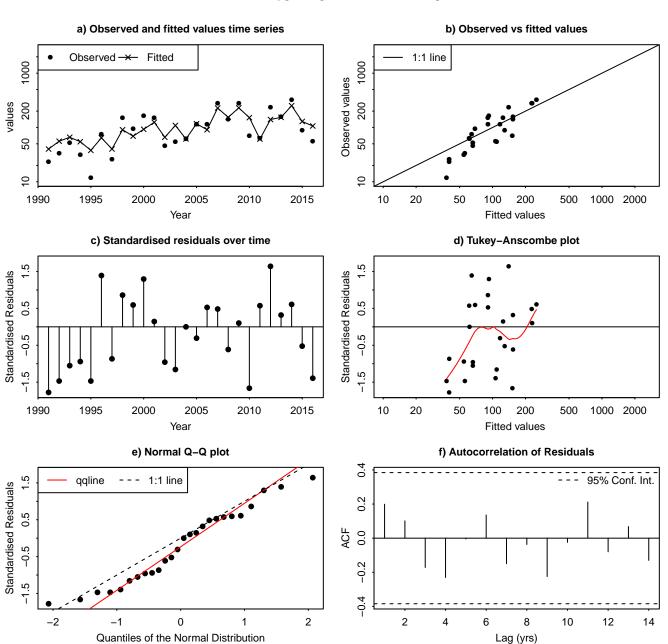
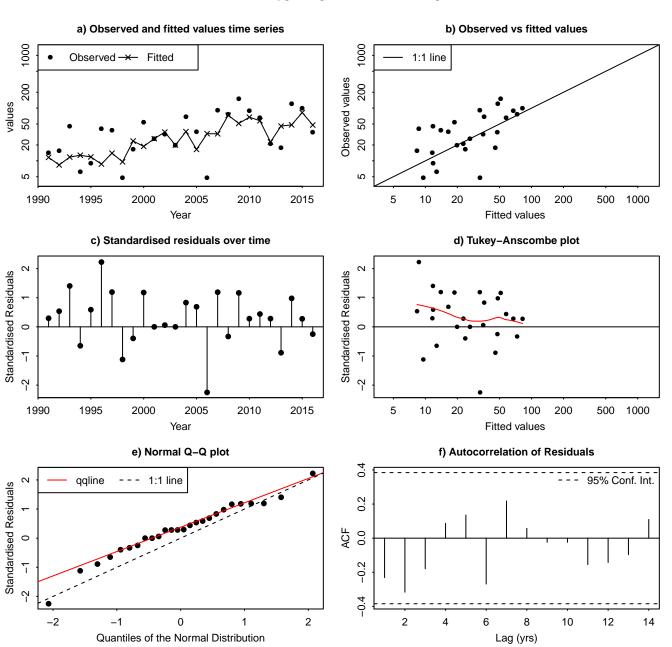


Turbot in IV pg 9 Diagnostics - BTS-ISIS, age 2

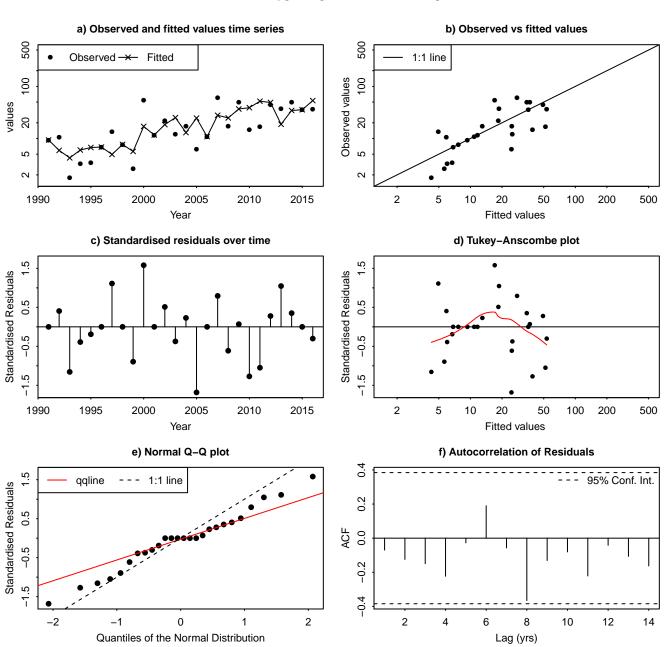


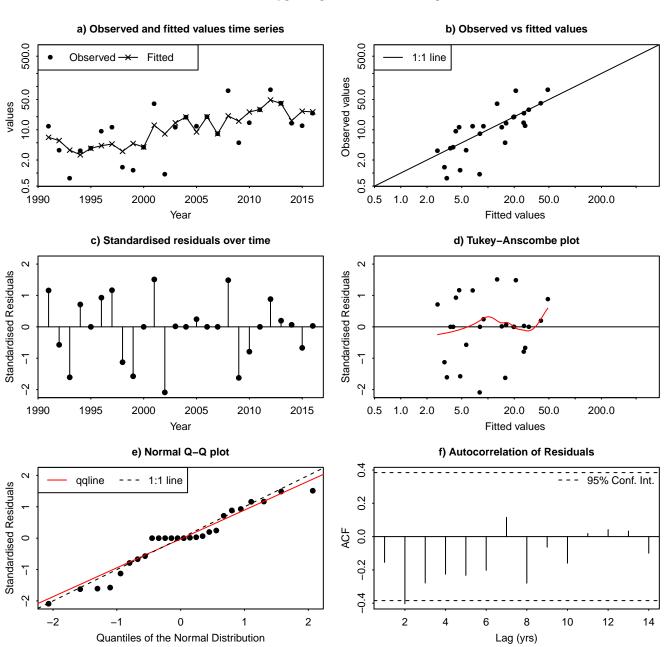




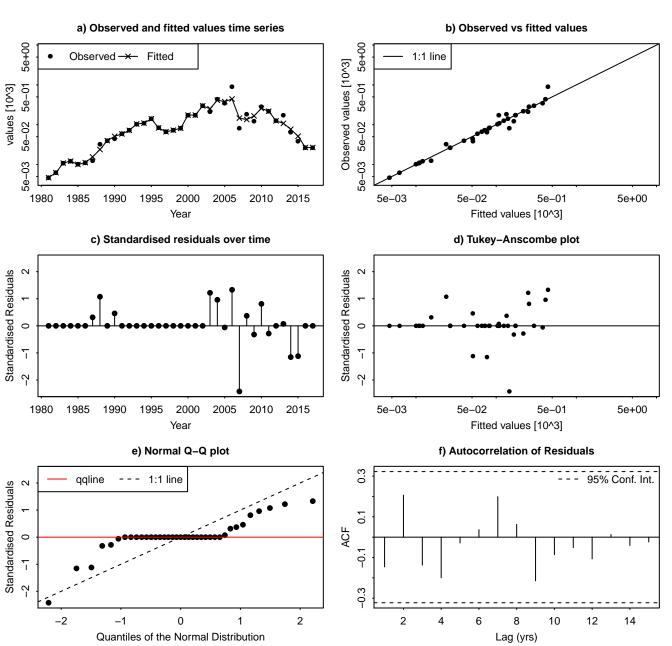


Turbot in IV pg 9 Diagnostics - BTS-ISIS, age 6

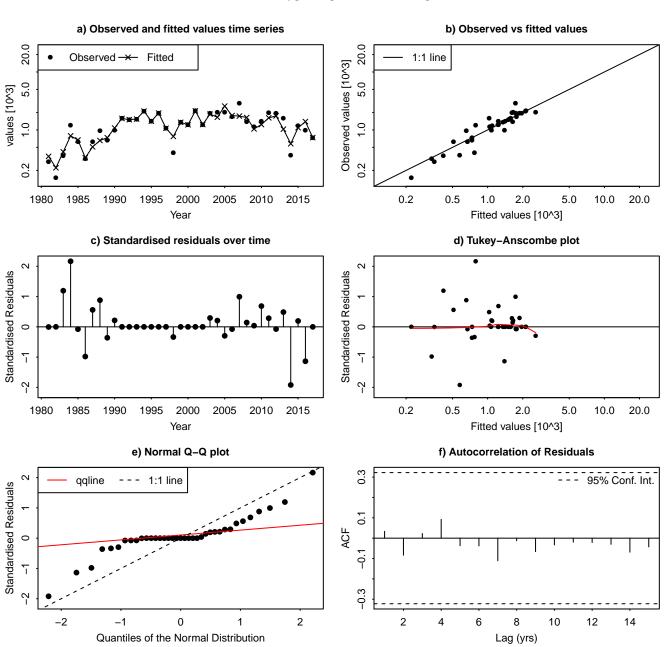




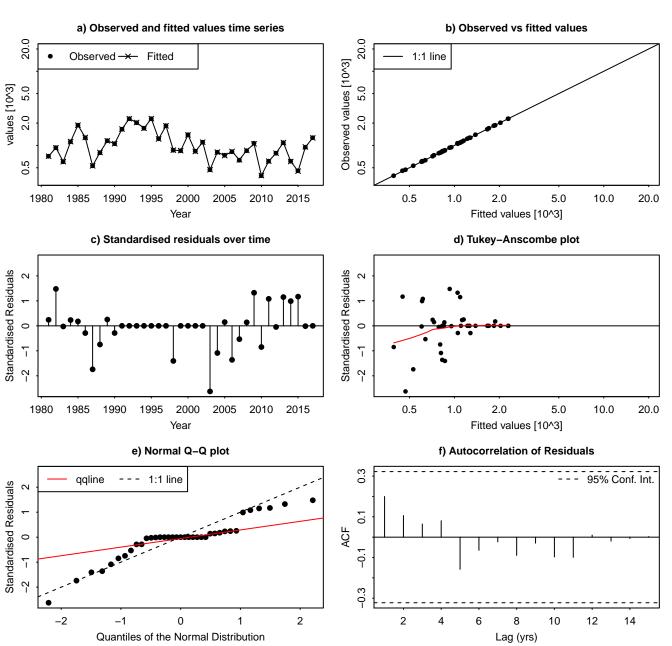
Turbot in IV pg 9 Diagnostics – catch, age 1



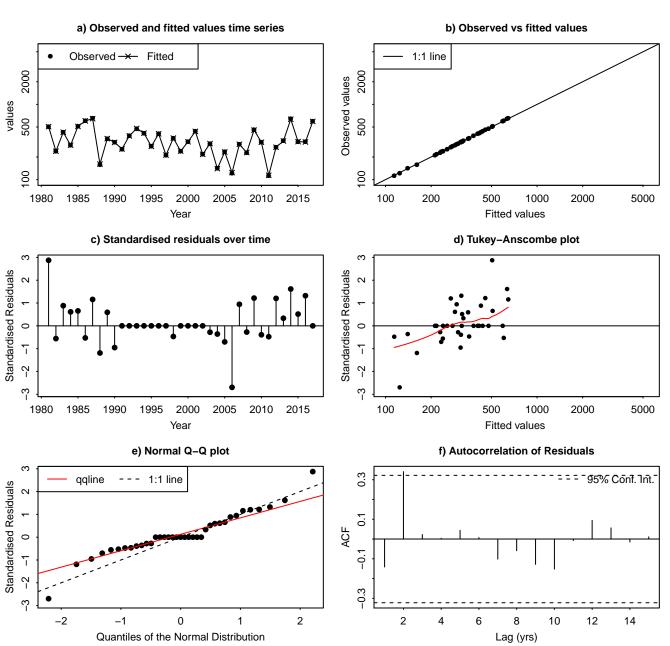
Turbot in IV pg 9 Diagnostics - catch, age 2



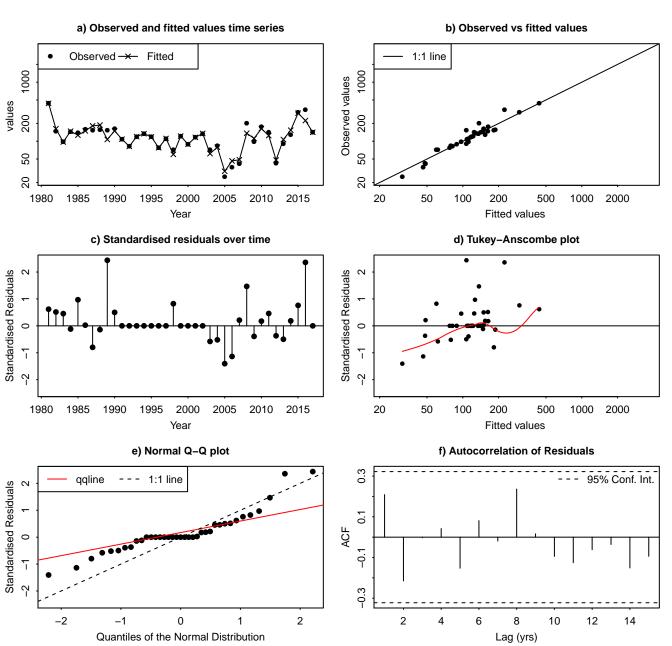
Turbot in IV pg 9 Diagnostics – catch, age 3



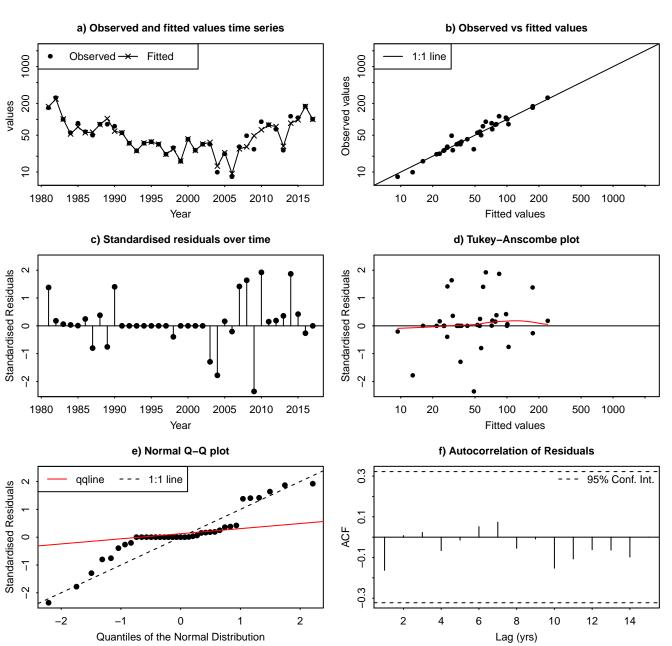
Turbot in IV pg 9 Diagnostics – catch, age 4



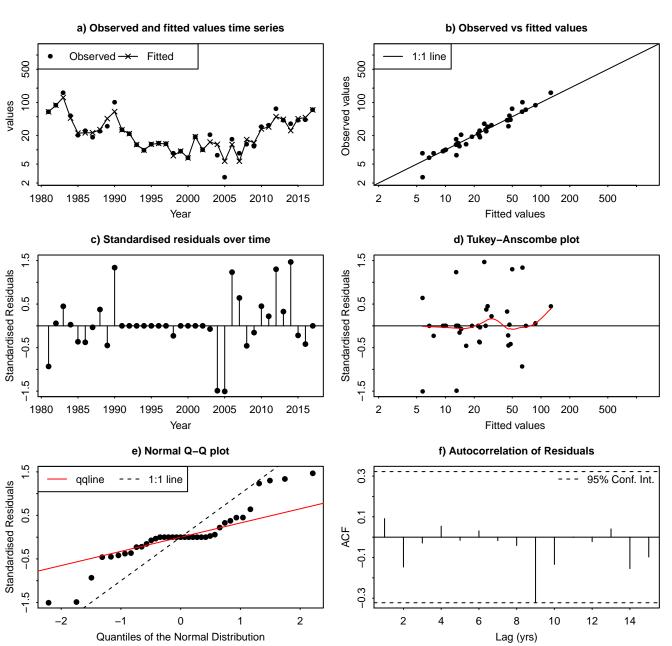
Turbot in IV pg 9 Diagnostics – catch, age 5



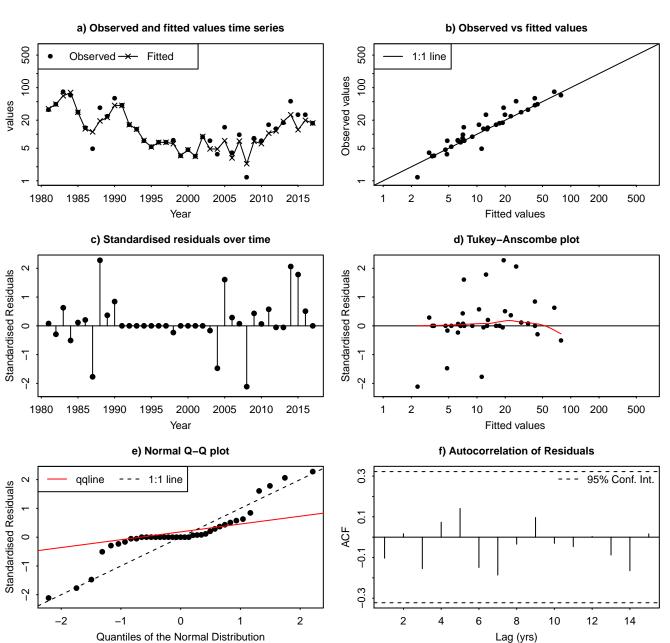
Turbot in IV pg 9 Diagnostics - catch, age 6



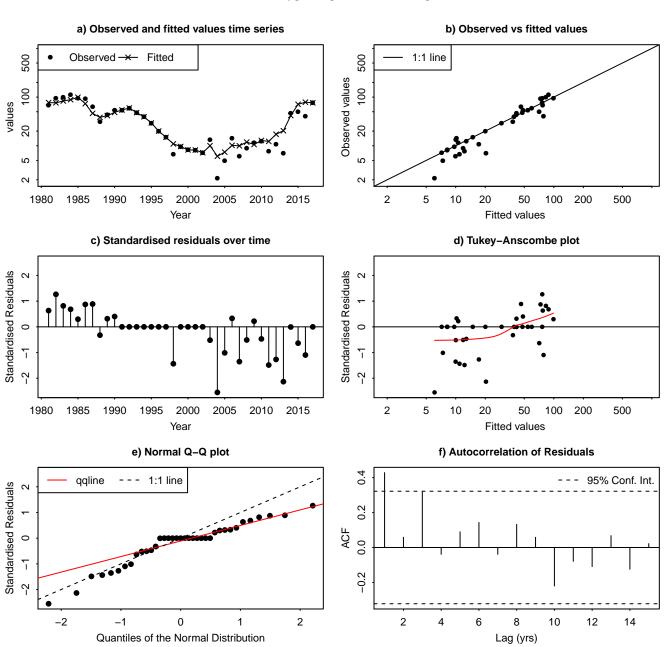
Turbot in IV pg 9 Diagnostics – catch, age 7



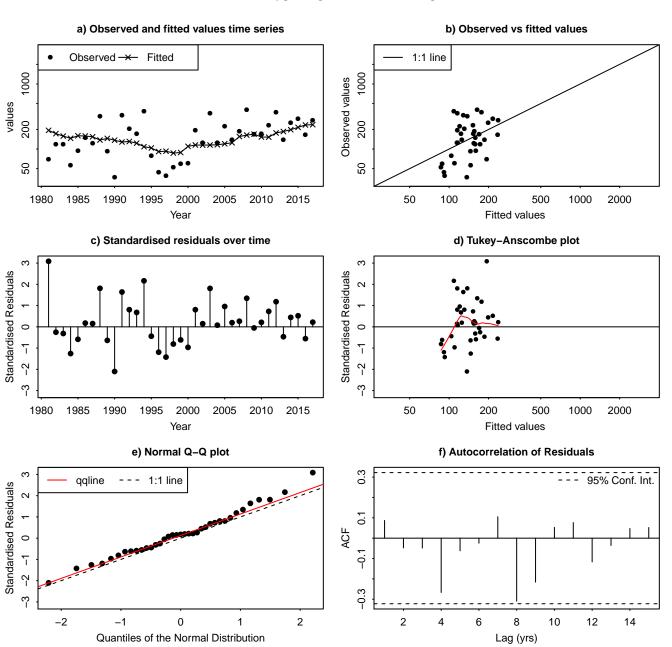
Turbot in IV pg 9 Diagnostics – catch, age 8



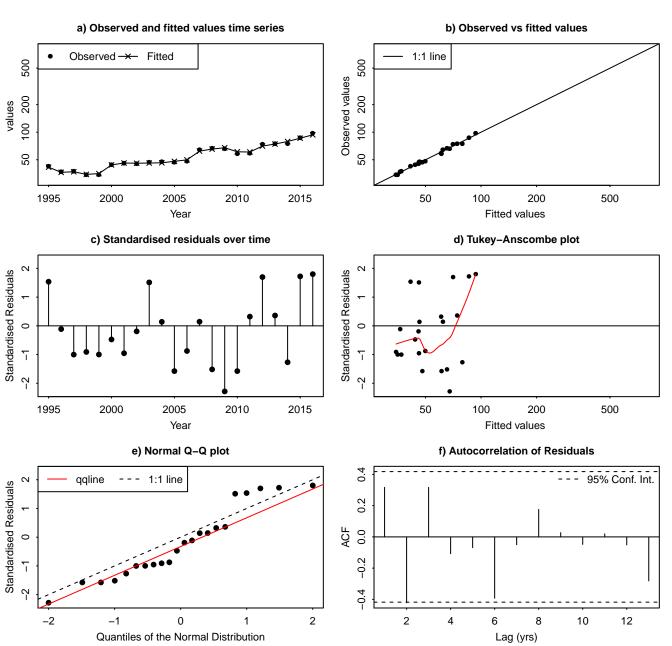
Turbot in IV pg 9 Diagnostics - catch, age 9



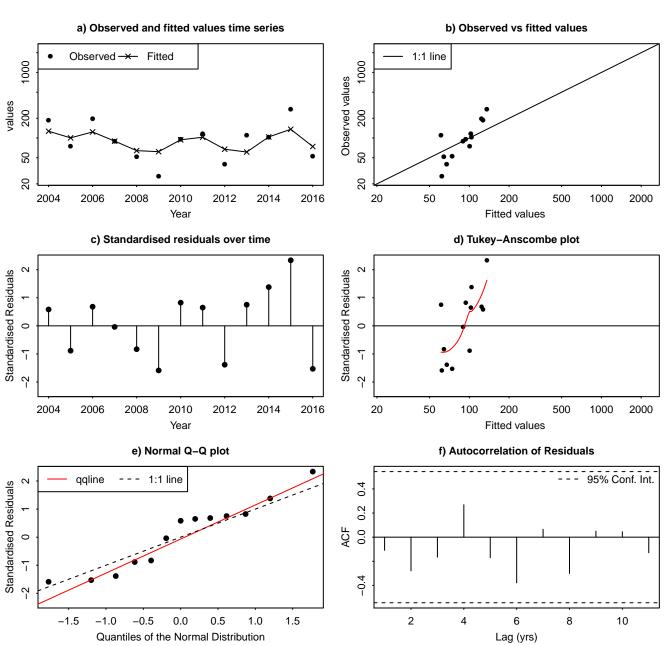
Turbot in IV pg 9 Diagnostics - IBTS\_Q1, age -1



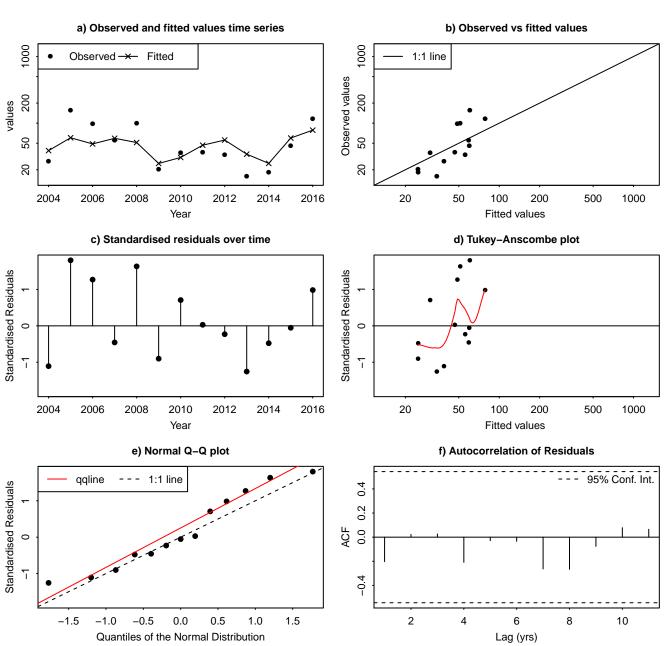
Turbot in IV pg 9 Diagnostics - NL\_LPUE, age -1



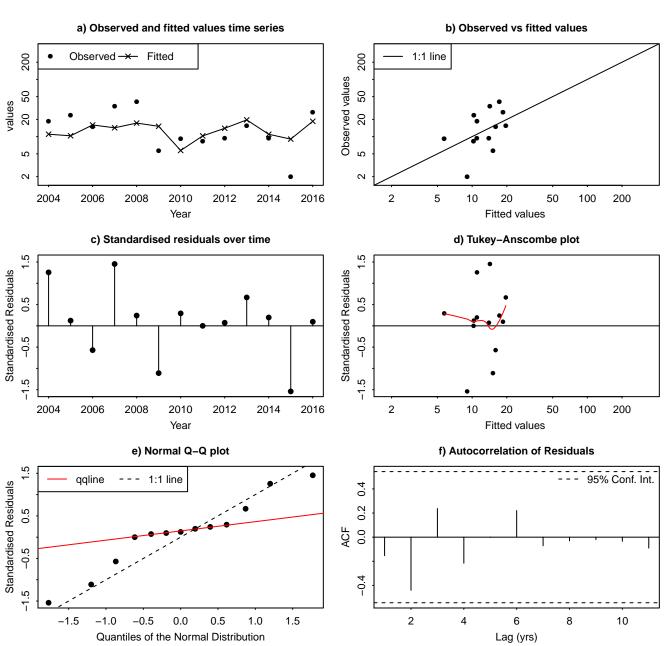
Turbot in IV pg 9 Diagnostics – SNS, age 1



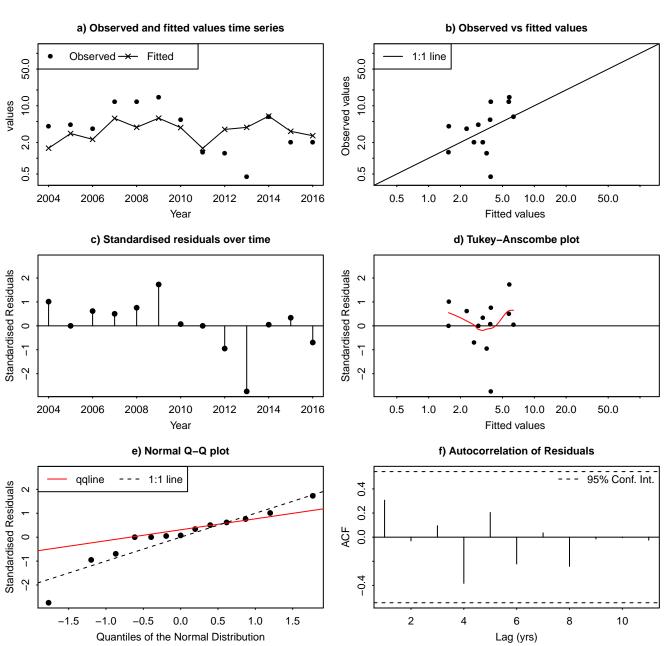
Turbot in IV pg 9 Diagnostics - SNS, age 2



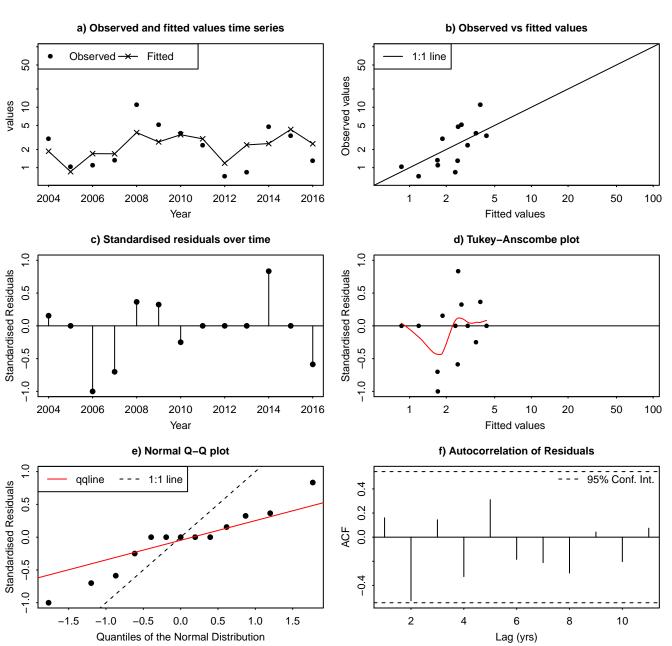
Turbot in IV pg 9 Diagnostics – SNS, age 3



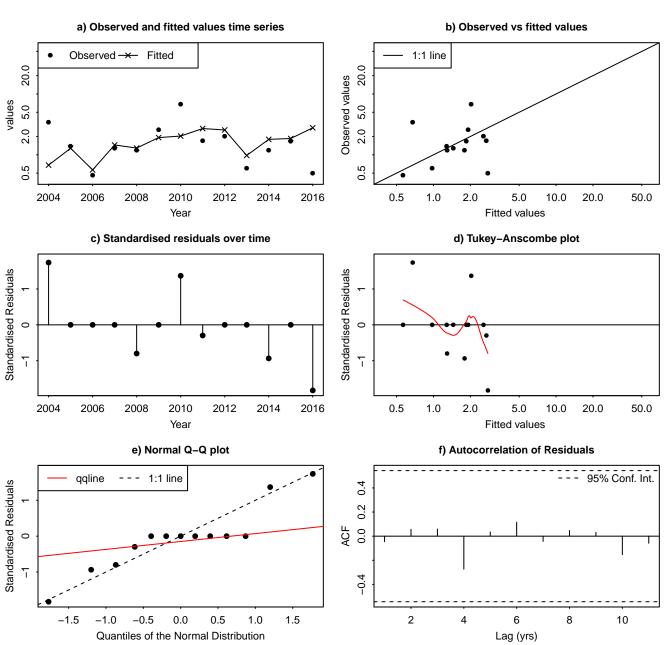
Turbot in IV pg 9 Diagnostics – SNS, age 4



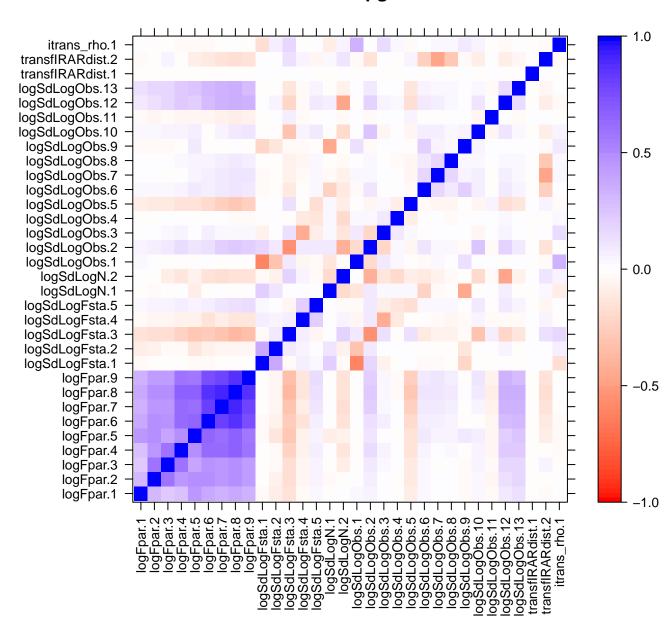
Turbot in IV pg 9 Diagnostics – SNS, age 5



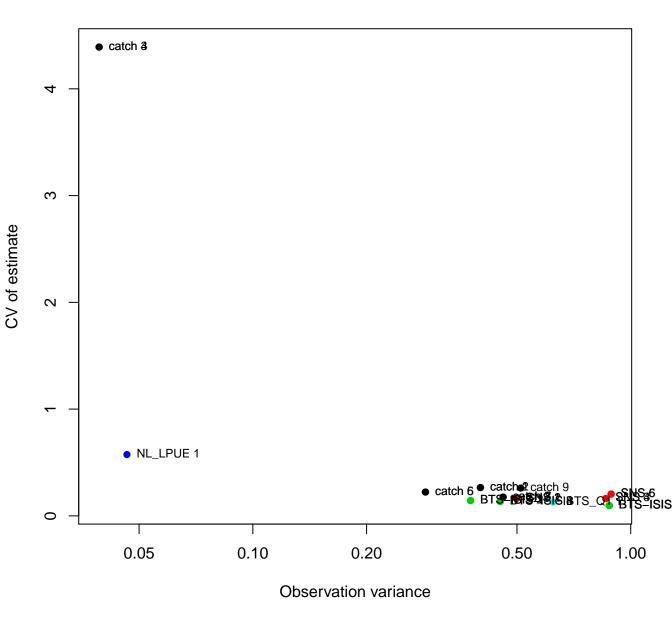
Turbot in IV pg 9 Diagnostics – SNS, age 6



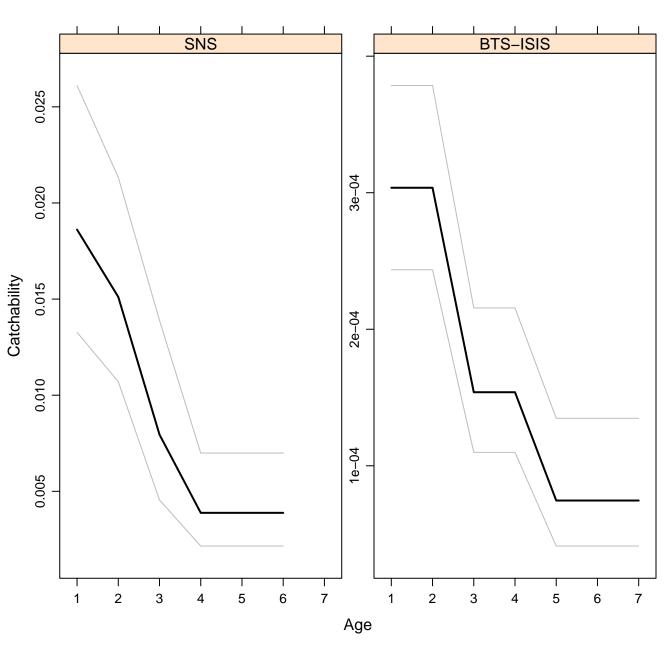
#### **Turbot in IV pg 9**



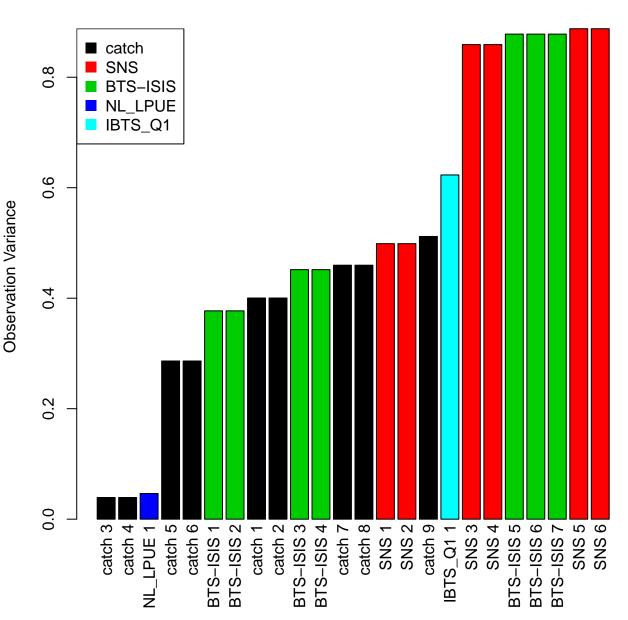
# Observation variance vs uncertainty



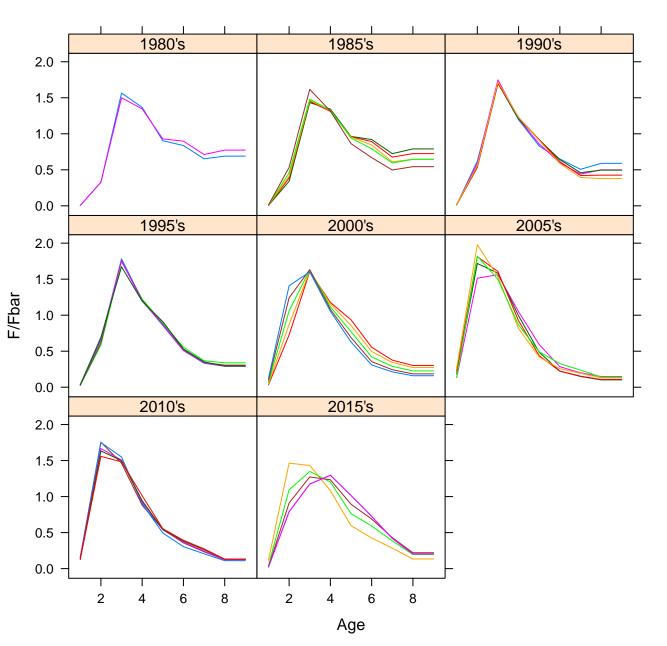
Survey catchability parameters



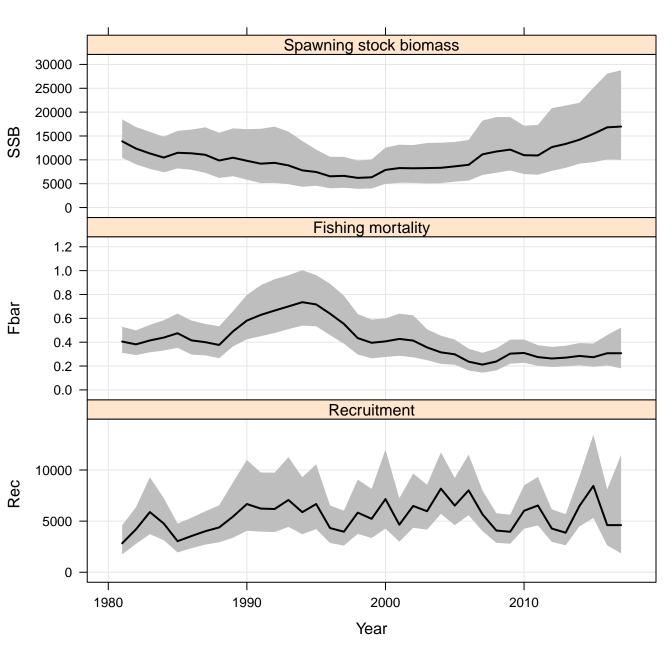
#### Observation variances by data source



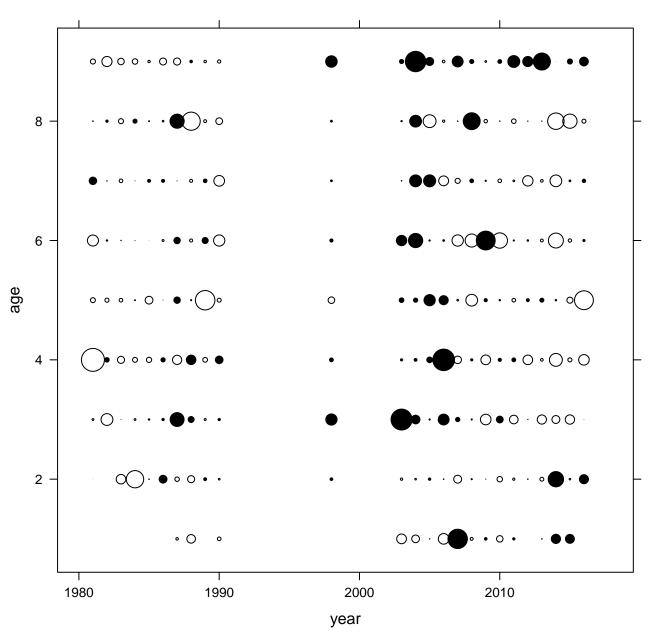
## Selectivity of the Fishery by Pentad



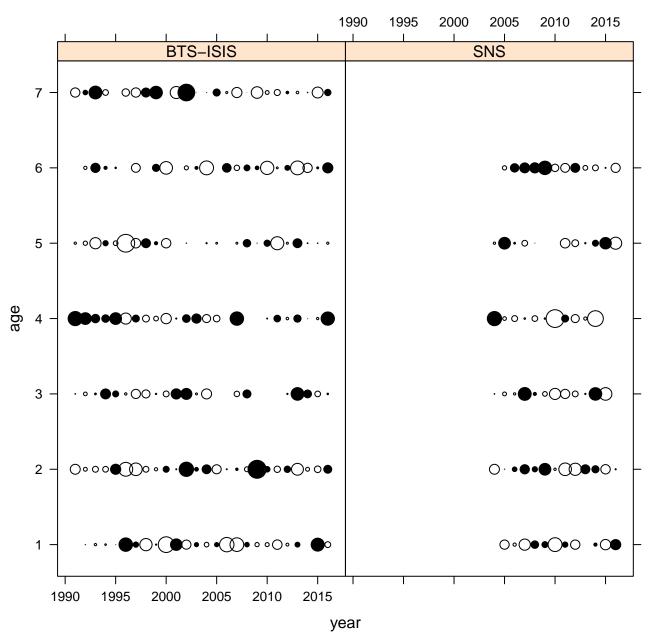
Turbot in IV pg 9



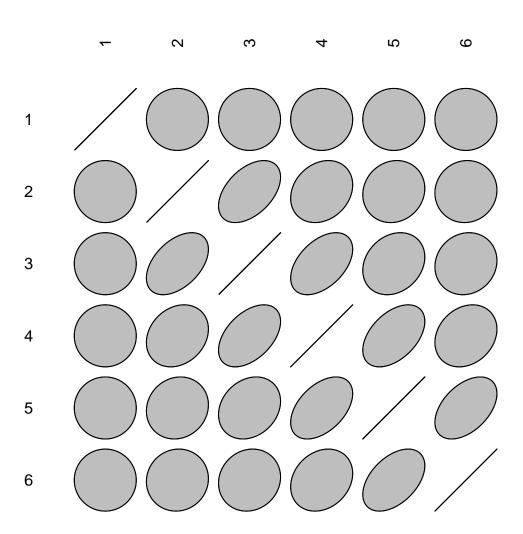
## Residuals by year Catch

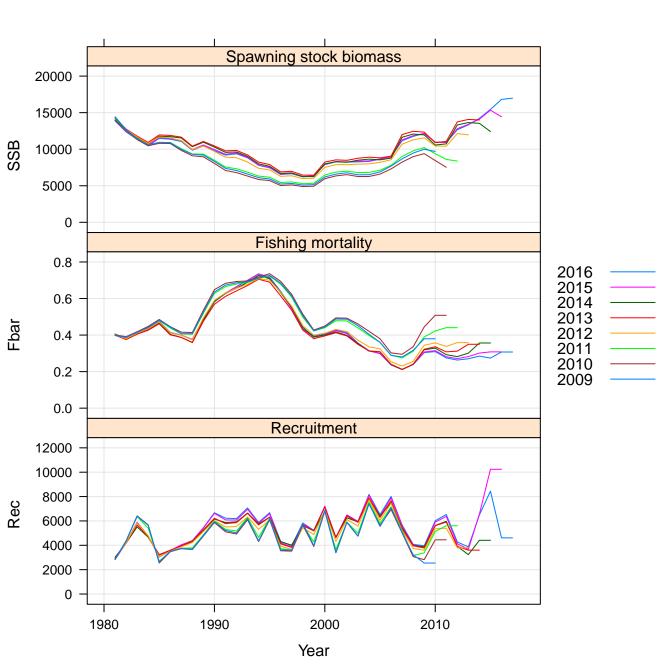


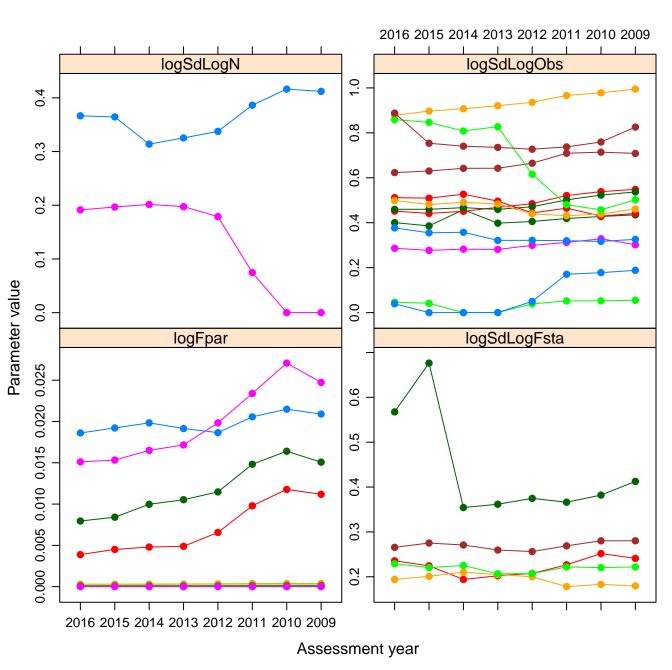
## Residuals by survey

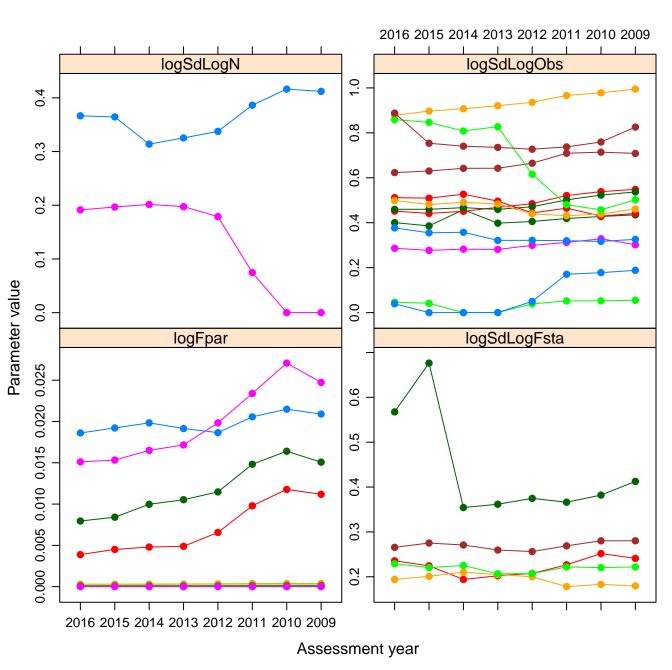


### **SNS**









### Retrospective pattern in F at age

