Components of Obj. Function (4560), npar=139

Maximum gradient = 6.9e−05

| Component	Value
lk.F.penalty	0
lk.Fmult.Max.penalty	0
lk.SR.scaler	0
lk.SR.steepness	0
lk.Recruit.devs	5
lk.N.year1	0
lk.Fmult.devs.total	0
lk.Fmult.year1.total	0
lk.q.devs	0
lk.q.year1	0
lk.index.sel.param.total	0
lk.sel.param.total	0
lk.index.age.comp	392
lk.discards.age.comp	0
lk.catch.age.comp	4257
lk.index.fit.total	1
lk.discard.total	0
lk.catch.total	−95
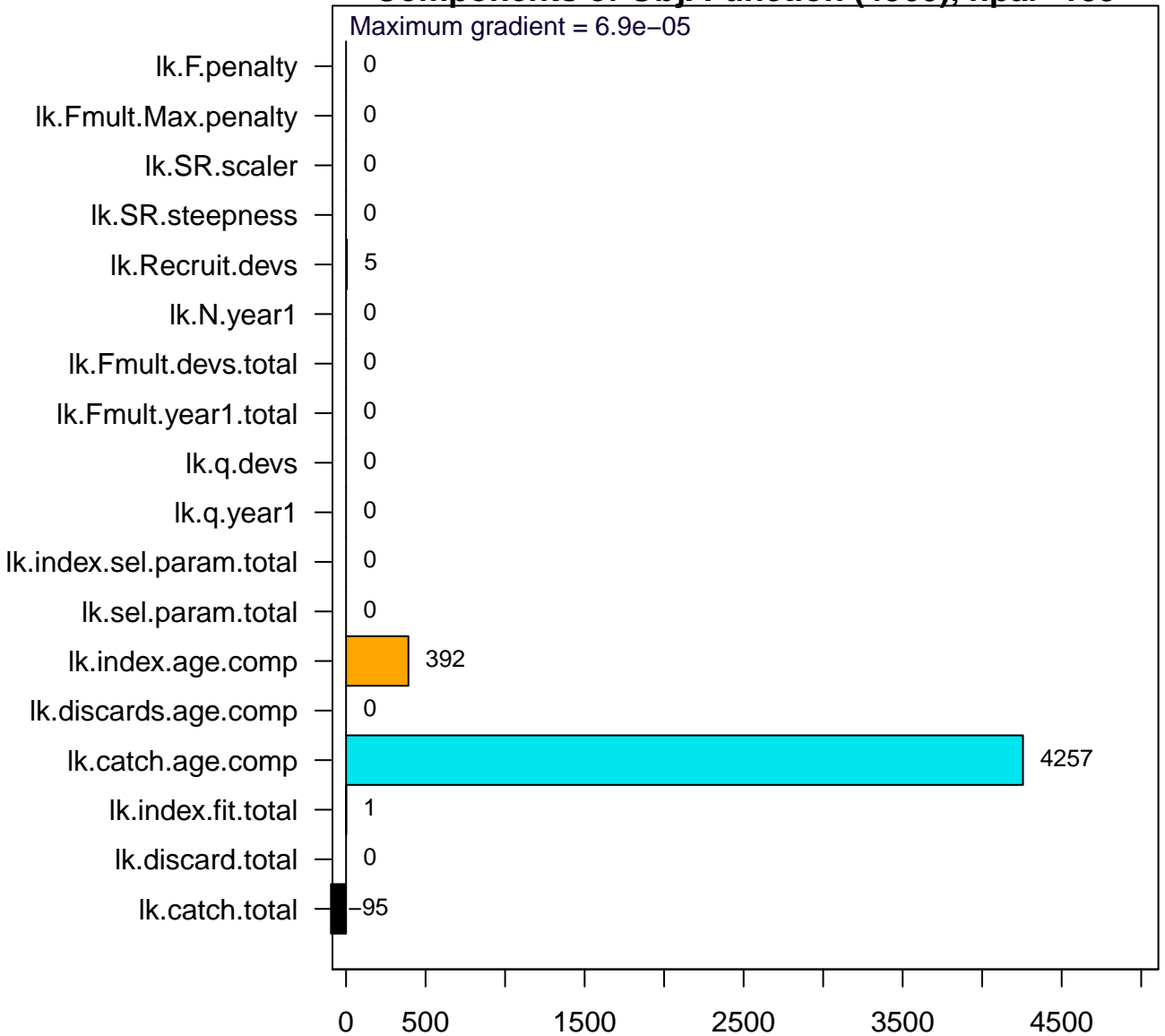
Likelihood Contribution

Model: 2017 ASSESSMENT TEST   Wednesday, 22 Mar 2017 at 14:21:

# Root Mean Square Error computed from Standardized Residuals

Component	# resids	RMSE
catch.tot	59	0.139
discard.tot	0	0
ind.total	12	1.64
N.year1	0	0
Fmult.year1	0	0
Fmult.devs.total	0	0
recruit.devs	59	0.743
fleet.sel.params	0	0
index.sel.params	0	0
q.year1	0	0
q.devs	0	0
SR.steepness	0	0
SR.scaler	0	0

Root Mean Square Error for Indices

RMSE

Number of Residuals
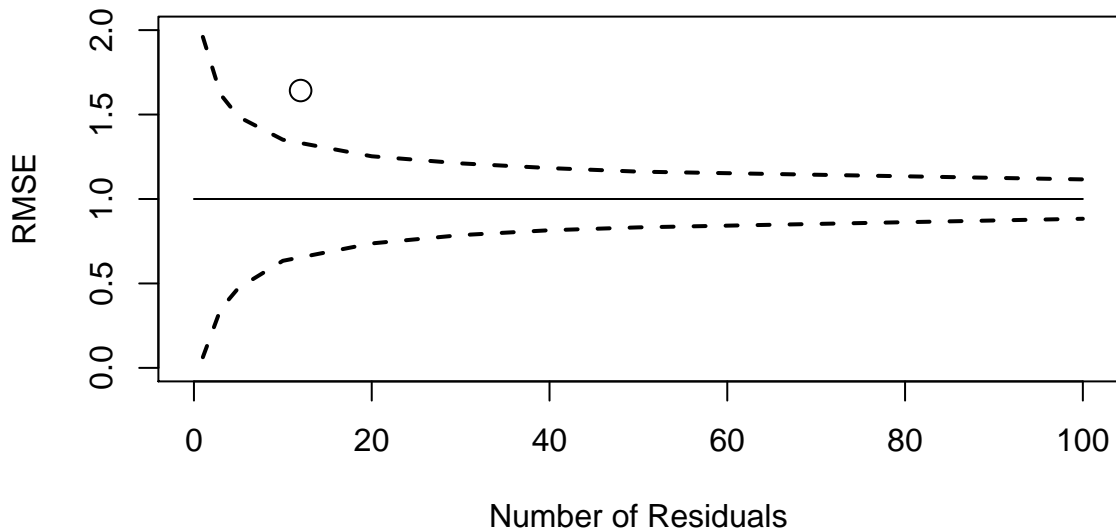
o   INDEX−1

Root Mean Square Error for Catch
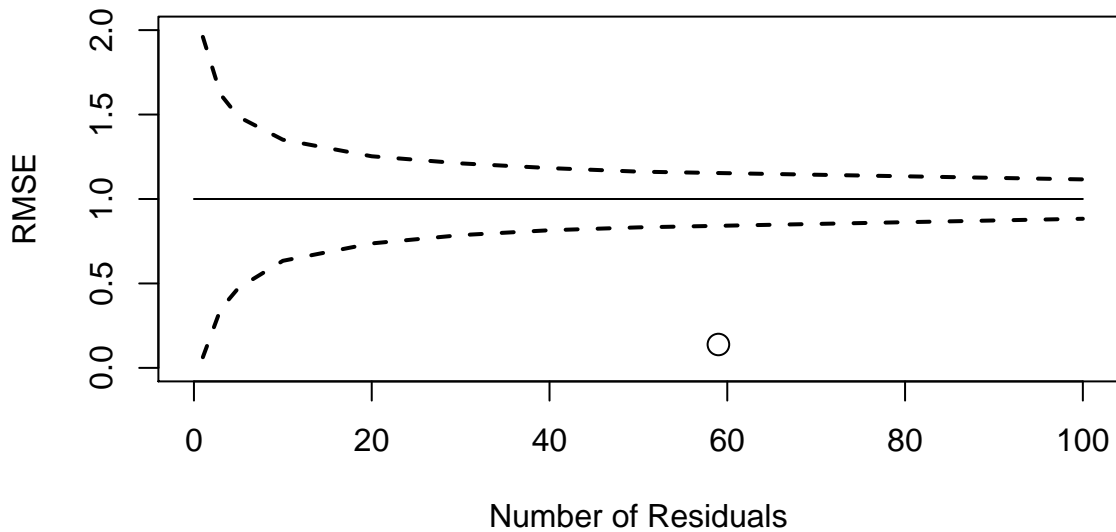
o   catch.tot

Fleet 1 Catch (FLEET−1)
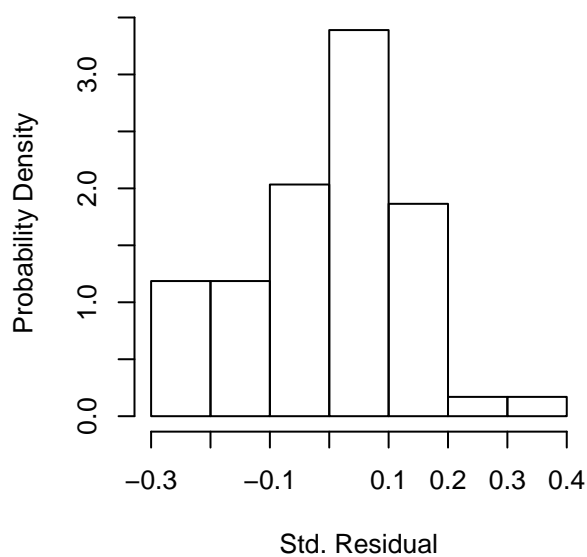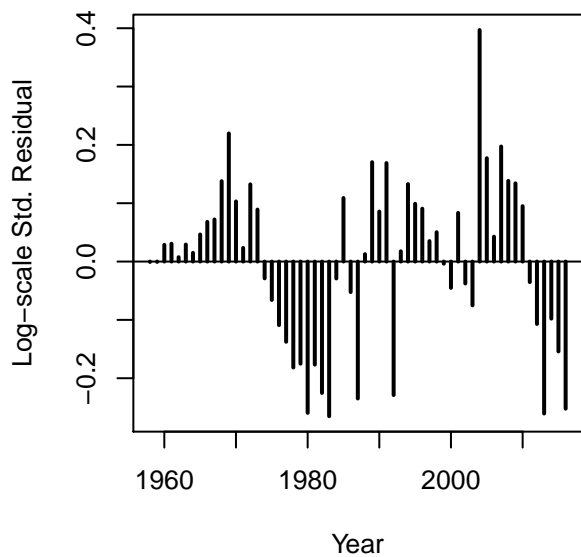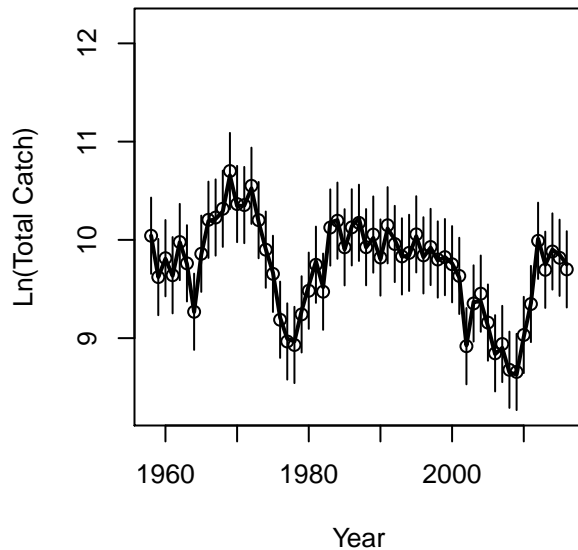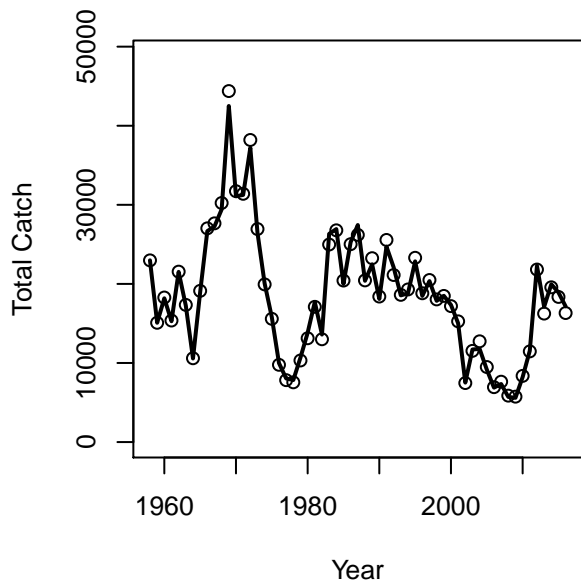
Catch
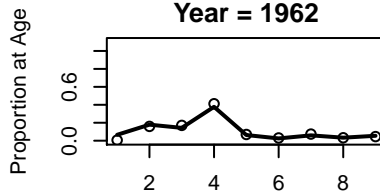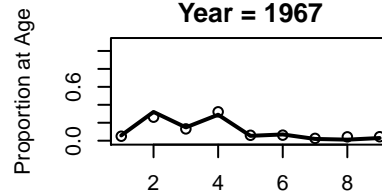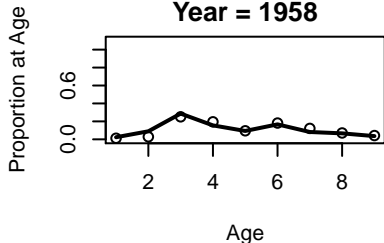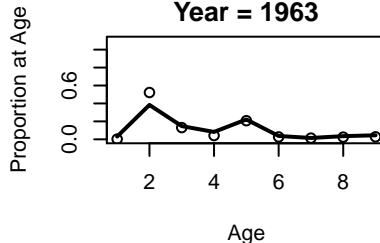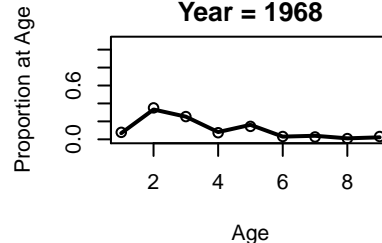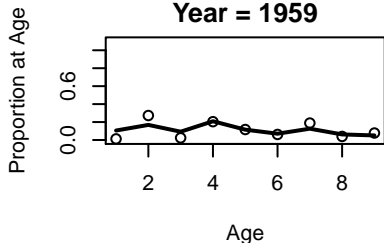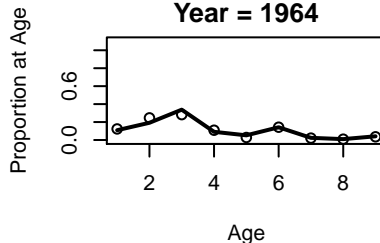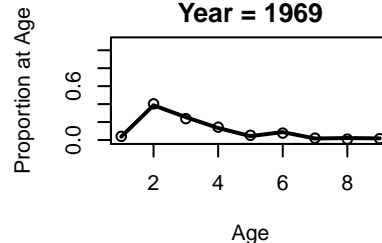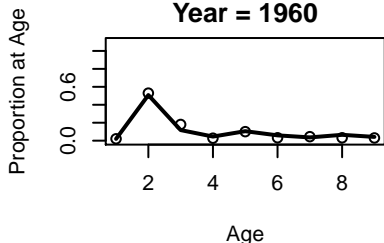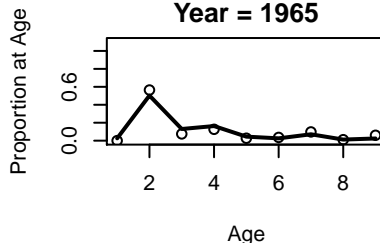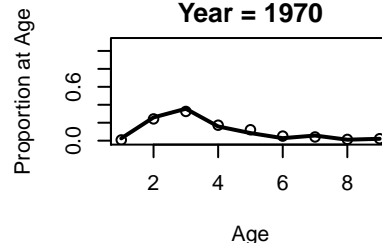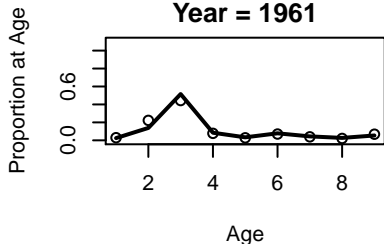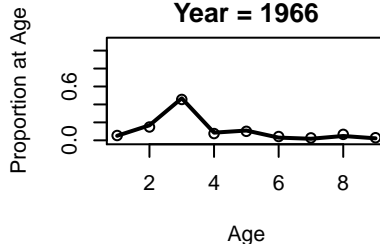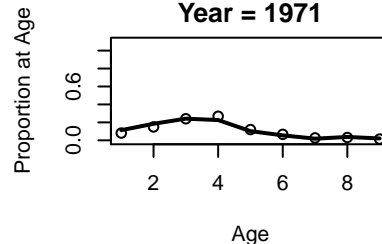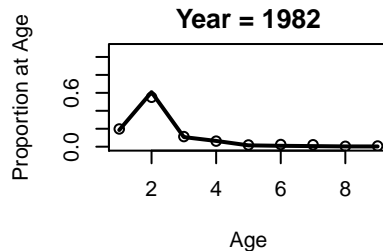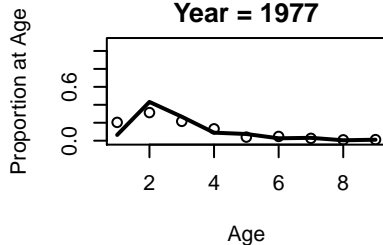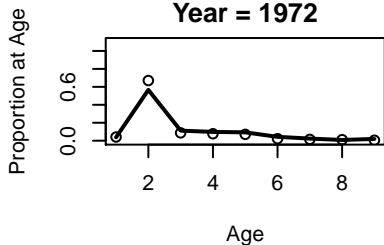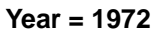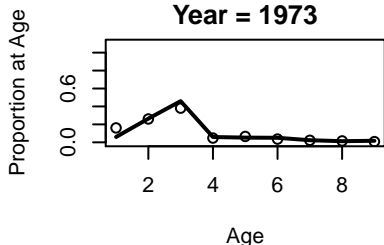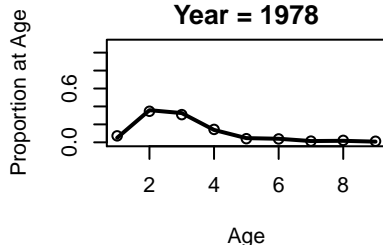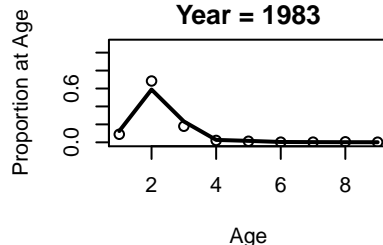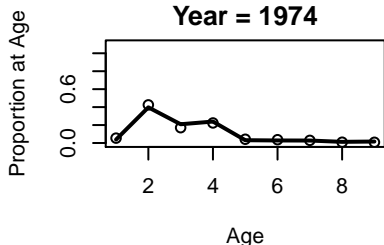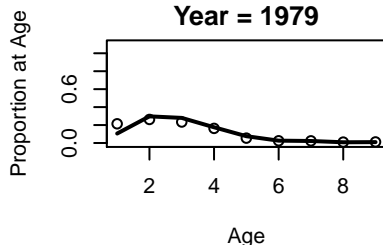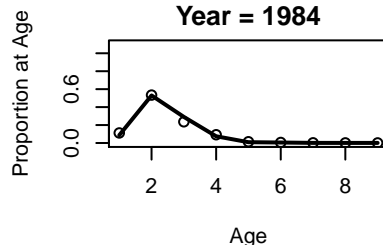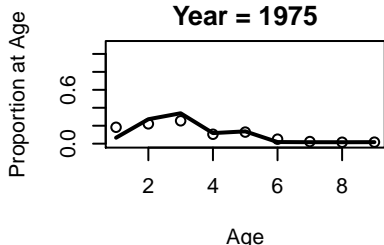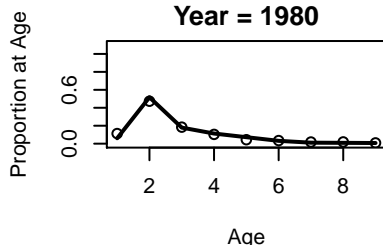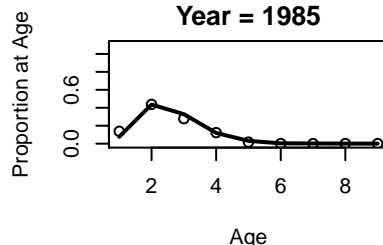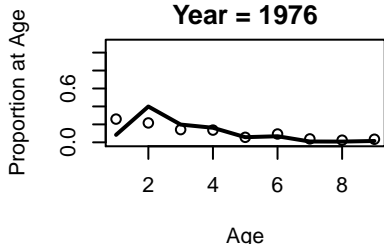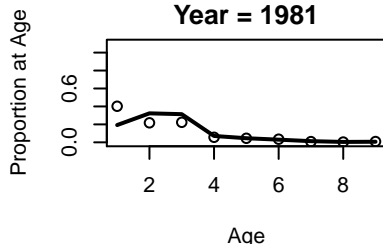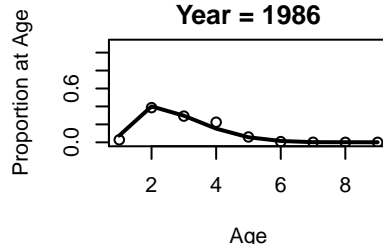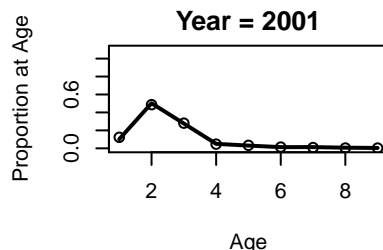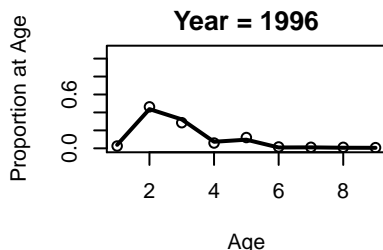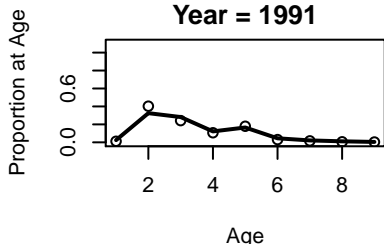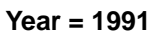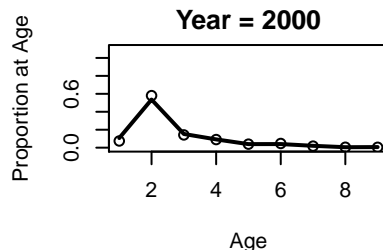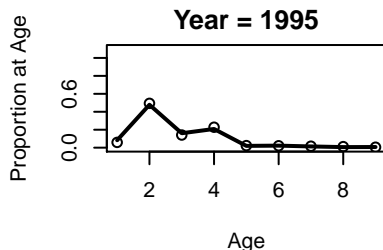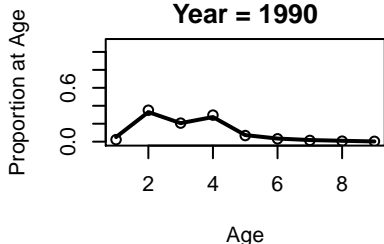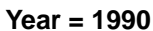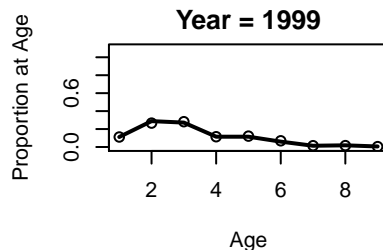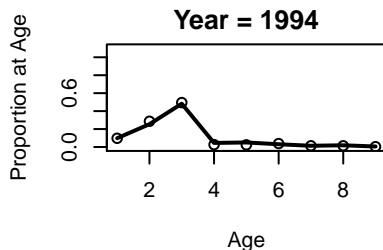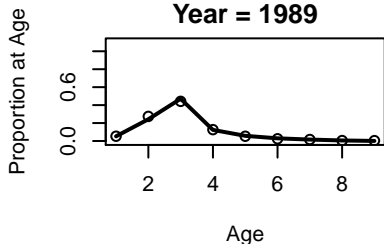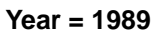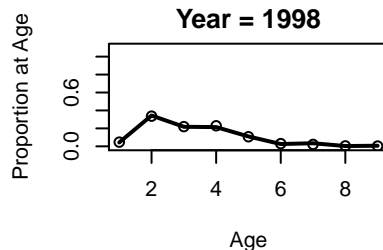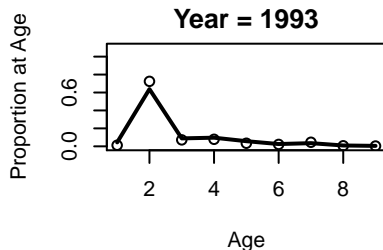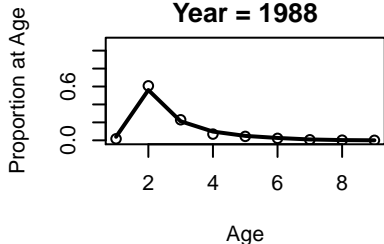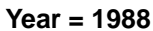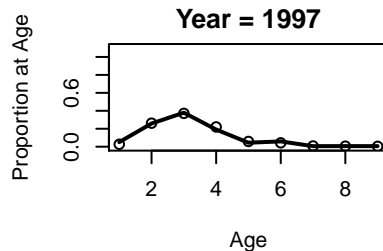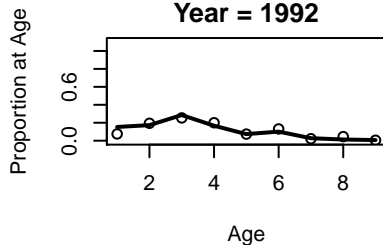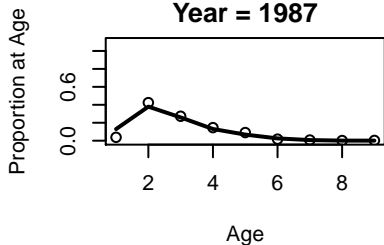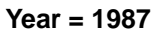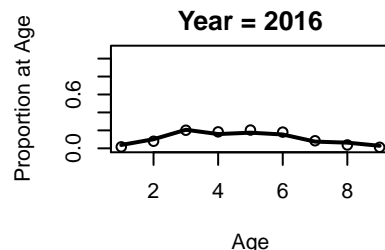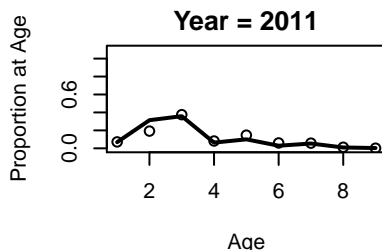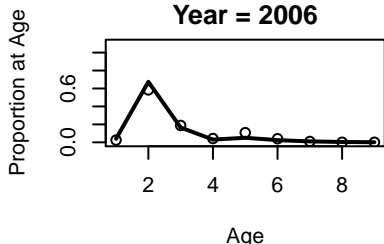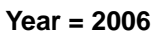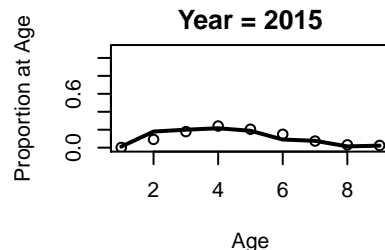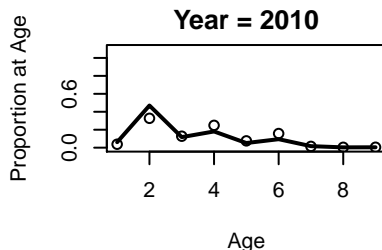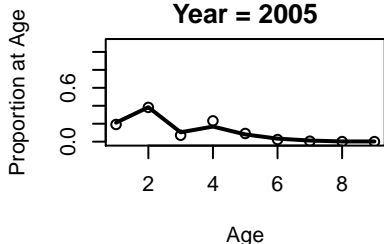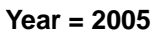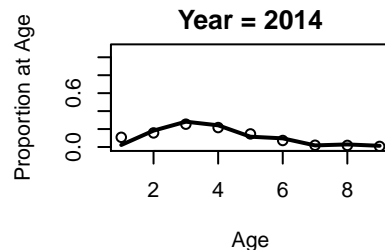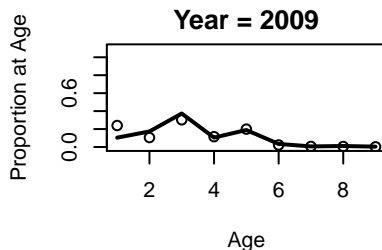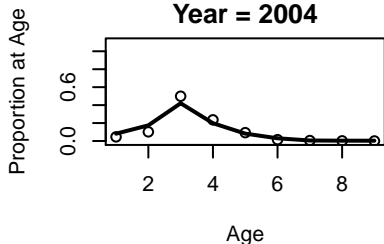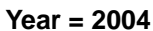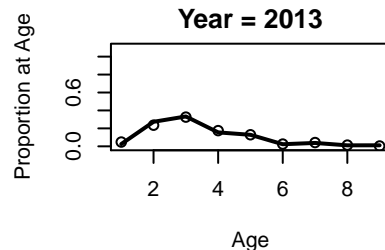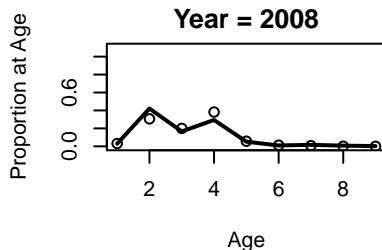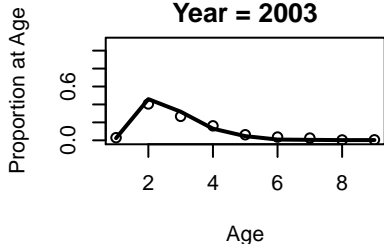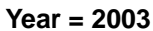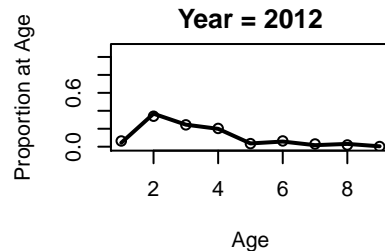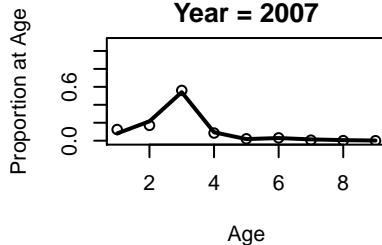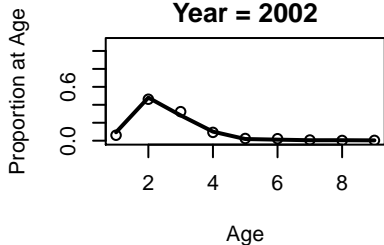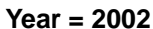
Catch

Catch

Catch

Age Comp Residuals for Catch by Fleet 1 (FLEET-1)
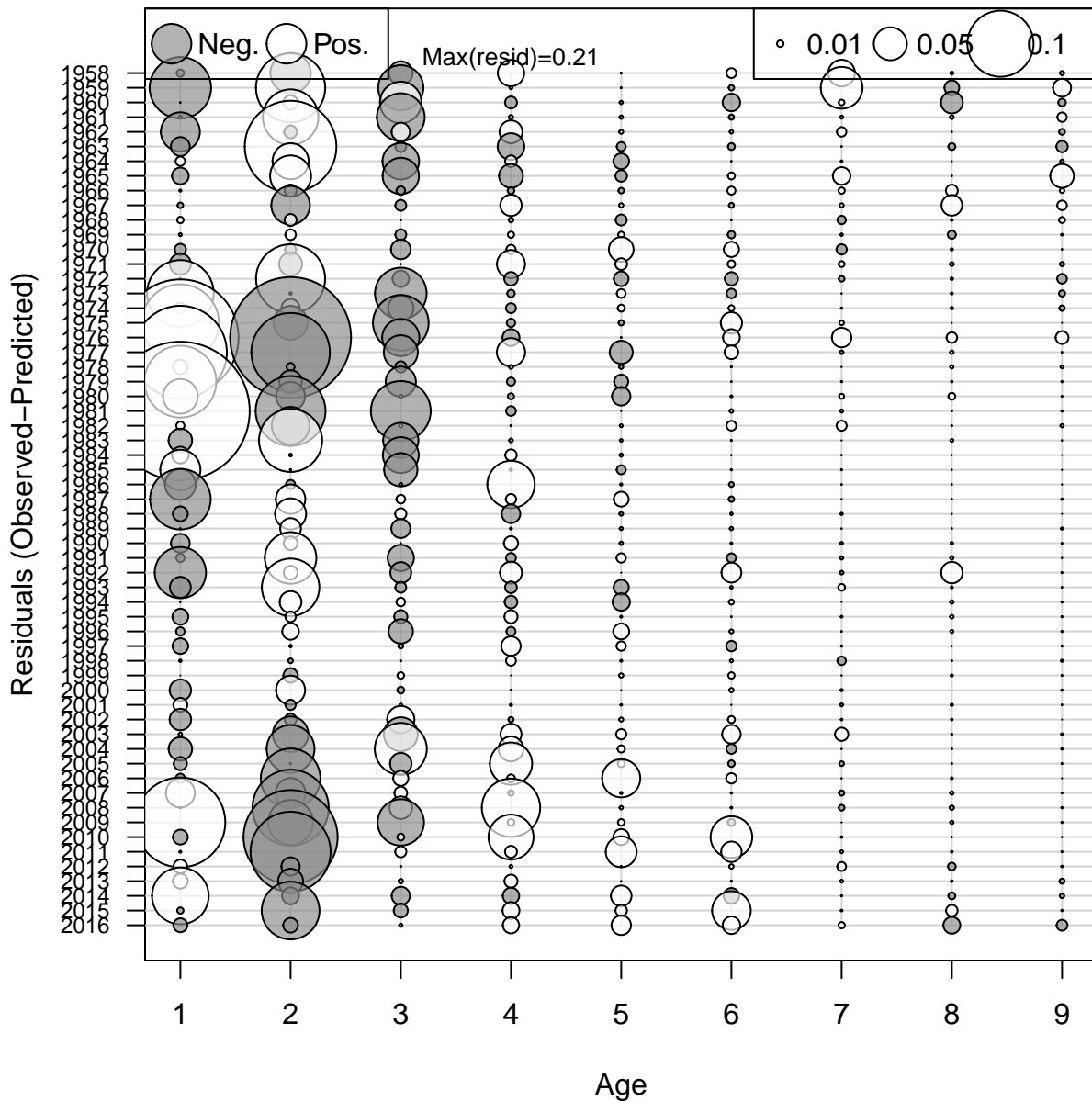
Catch Neff Fleet 1 (FLEET−1)

Catch Fleet 1 (FLEET−1)

SDNR=0.36   RMSE=0.36

Catch Fleet 1 (FLEET−1)

Legend:
- y=x (dashed)
- 1st−3rd quartiles (solid)
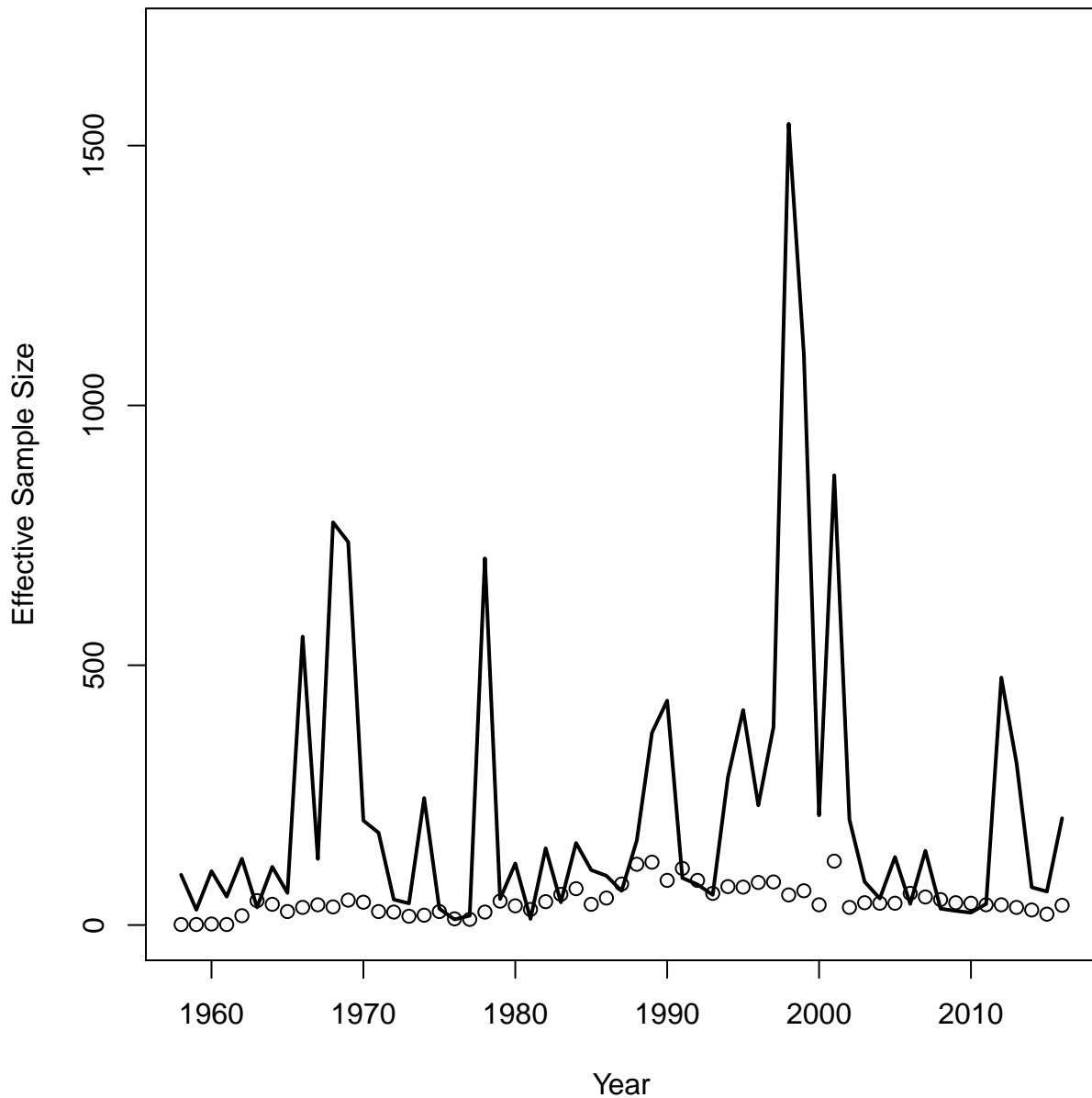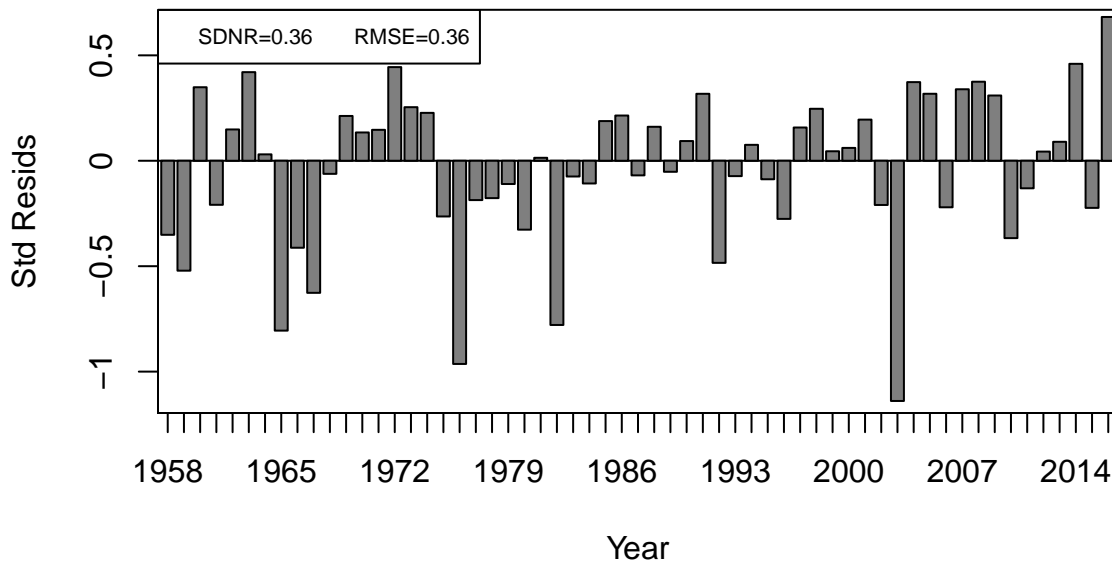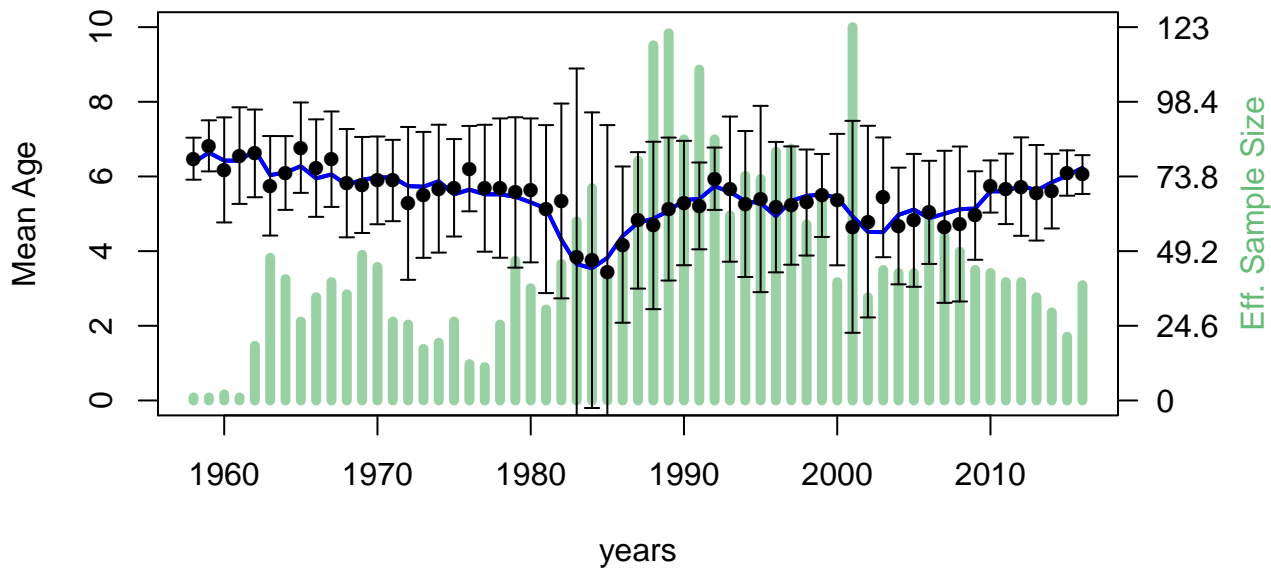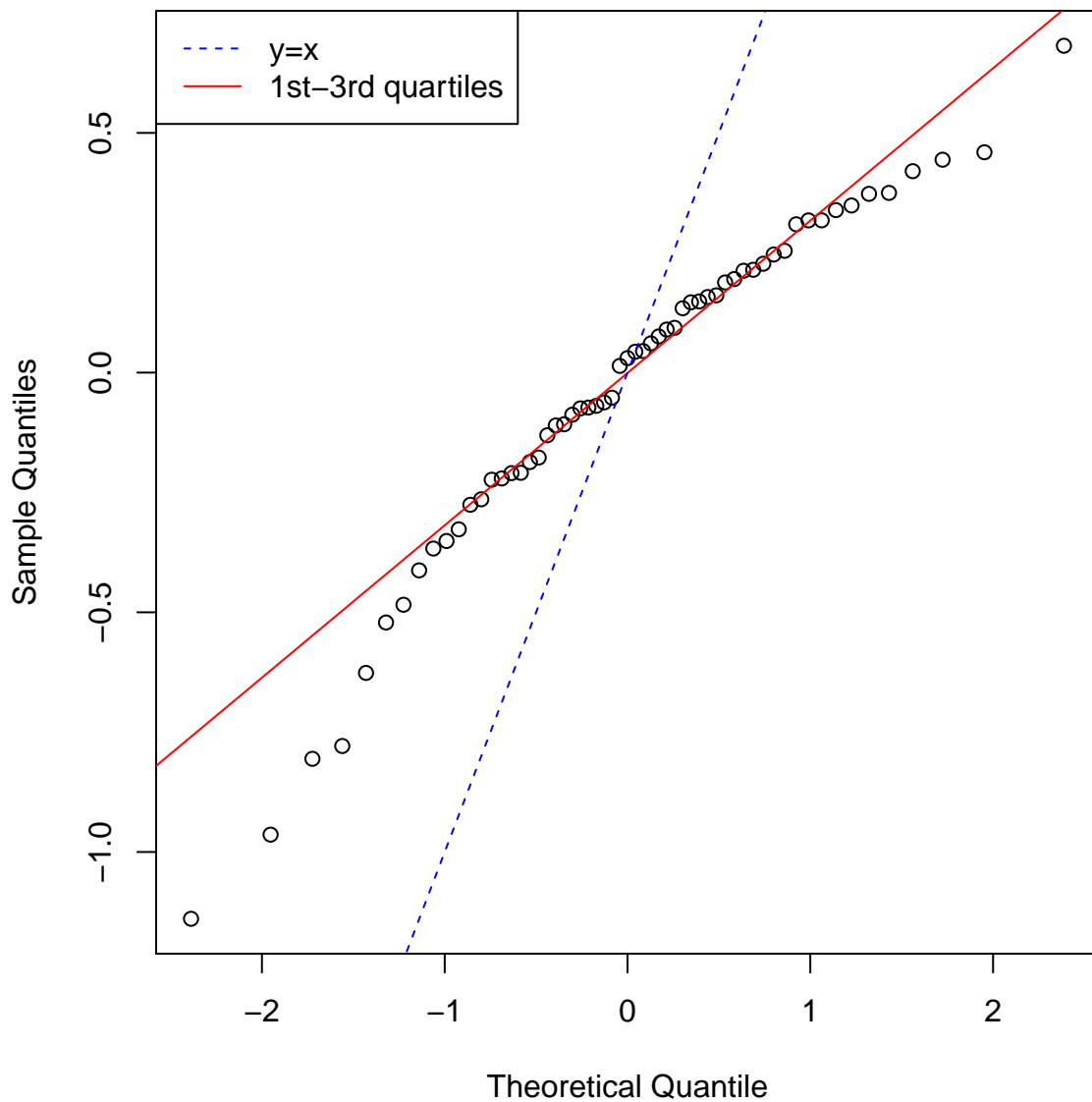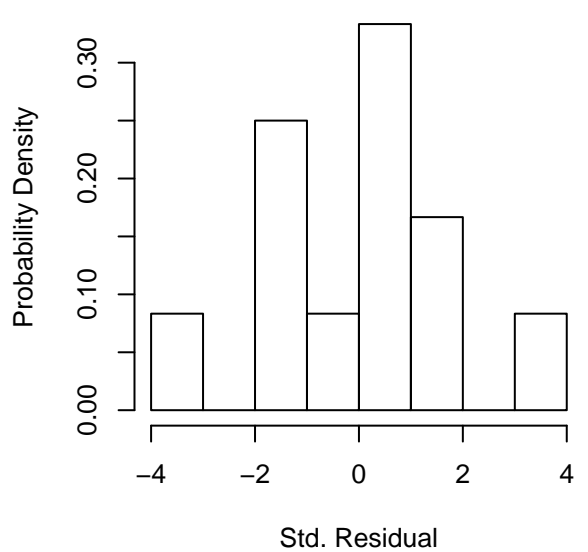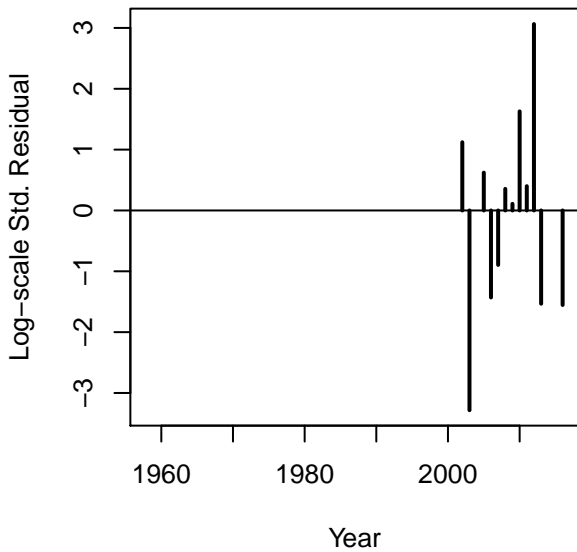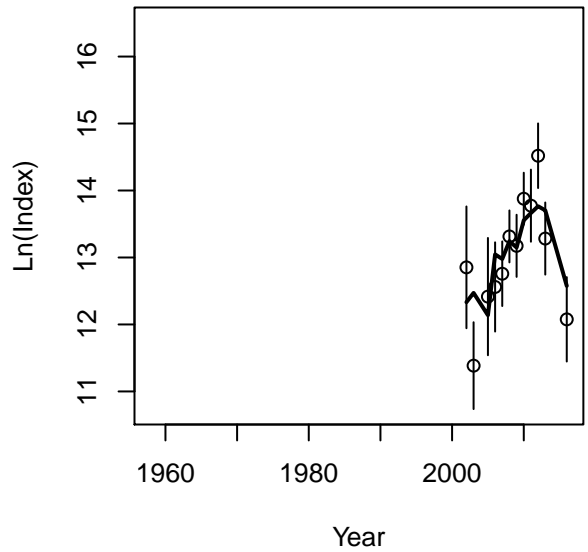
Theoretical Quantile (x-axis)
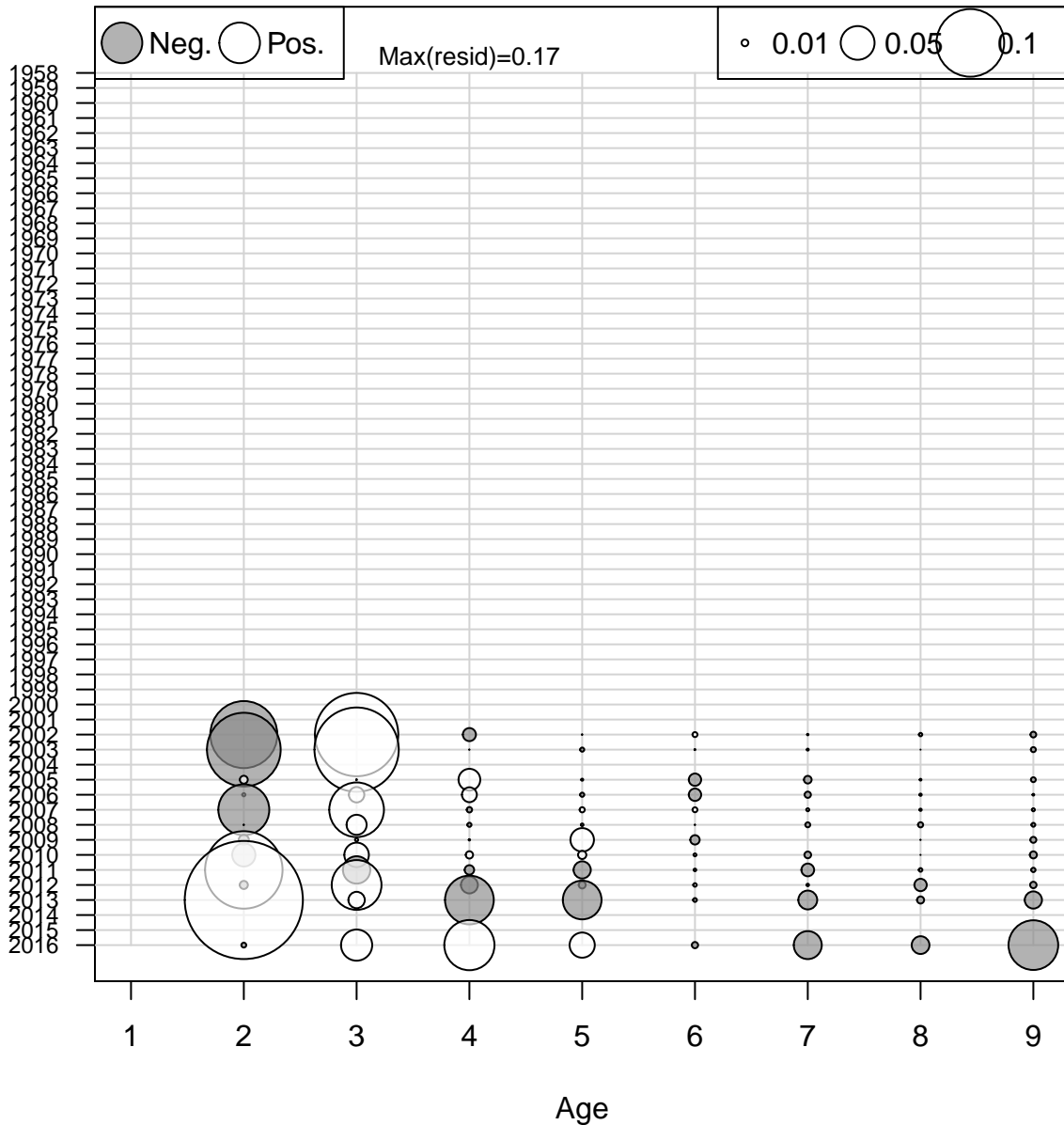Sample Quantiles (y-axis)
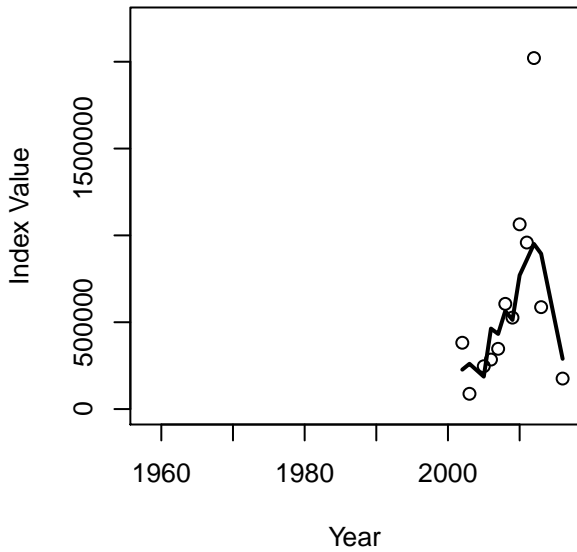
Index 1 (INDEX−1)

Age Comp Residuals for Index 1 (INDEX−1)

Residuals (Observed−Predicted)

Age

Neg. Pos.   Max(resid)=0.17   0.01 0.05 0.1

Index Neff 1 (INDEX−1)

Index 1 (INDEX-1)

Index 1 (INDEX−1)