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ASAP3 run on Friday, 15 Dec 2017 at 12:02:07

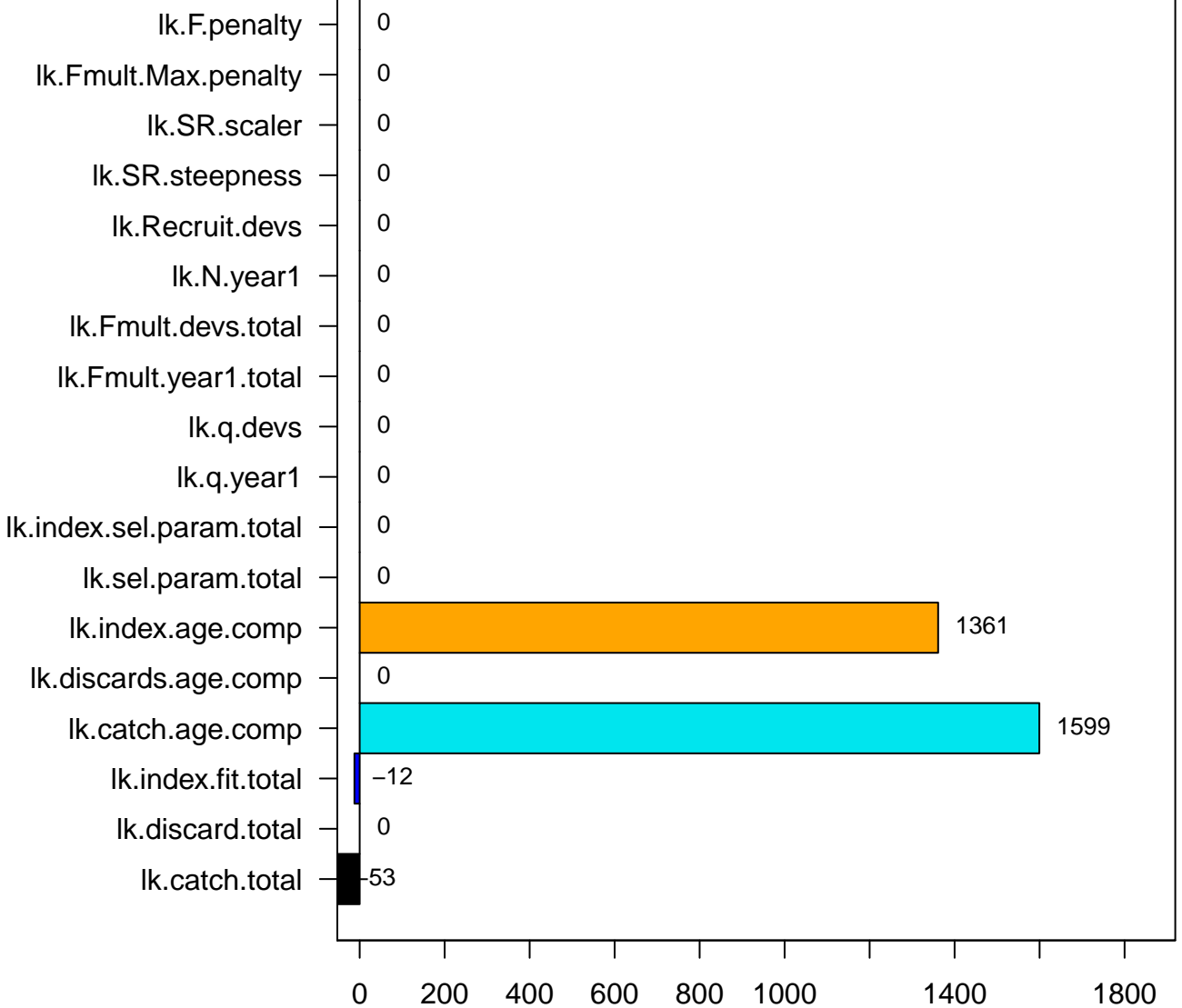
sers\jonathan.deroba\Documents\GitHub\MGWG\state-space\SNEMAYT\ASA

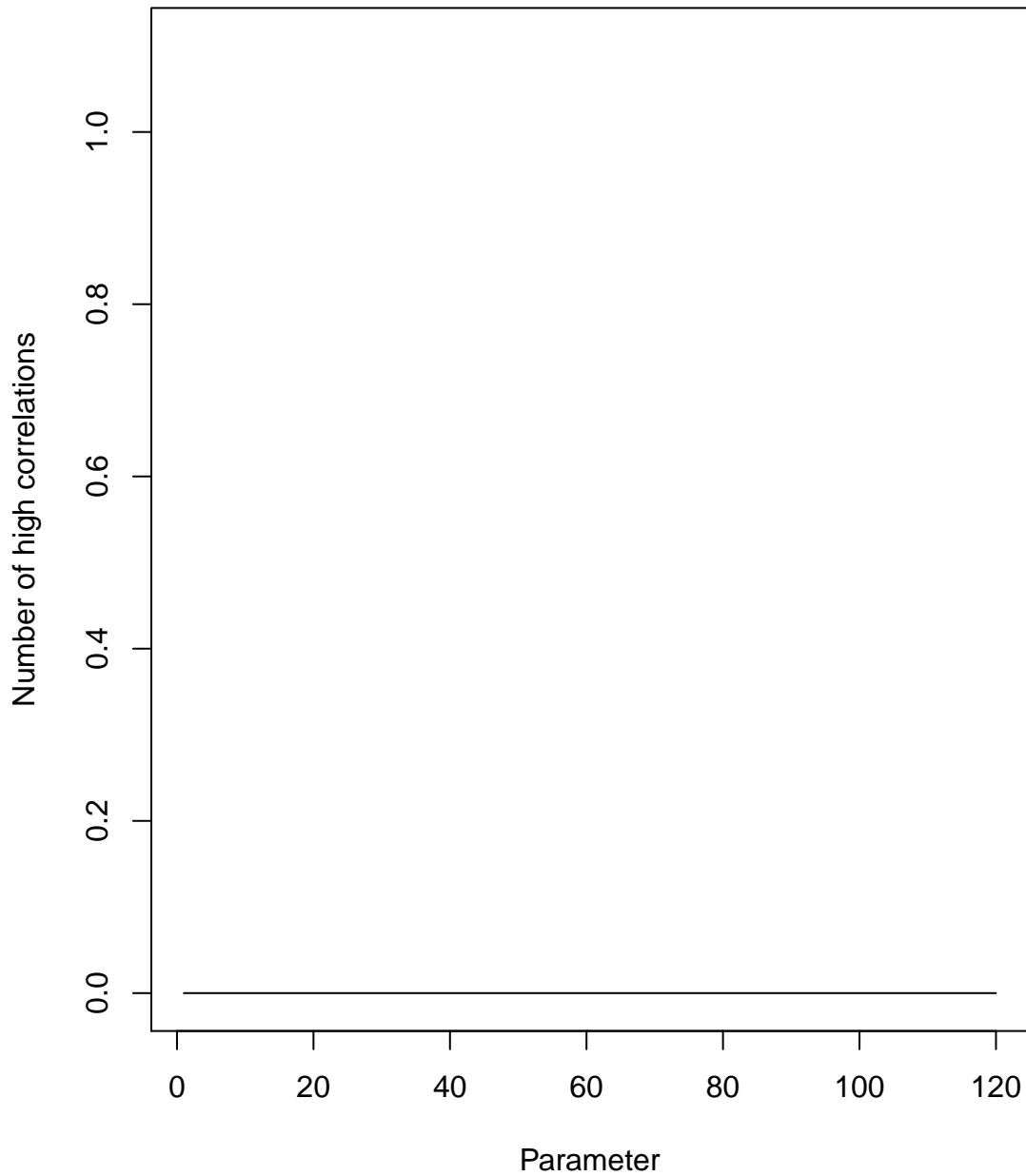
ASAPplots version = 0.1.10

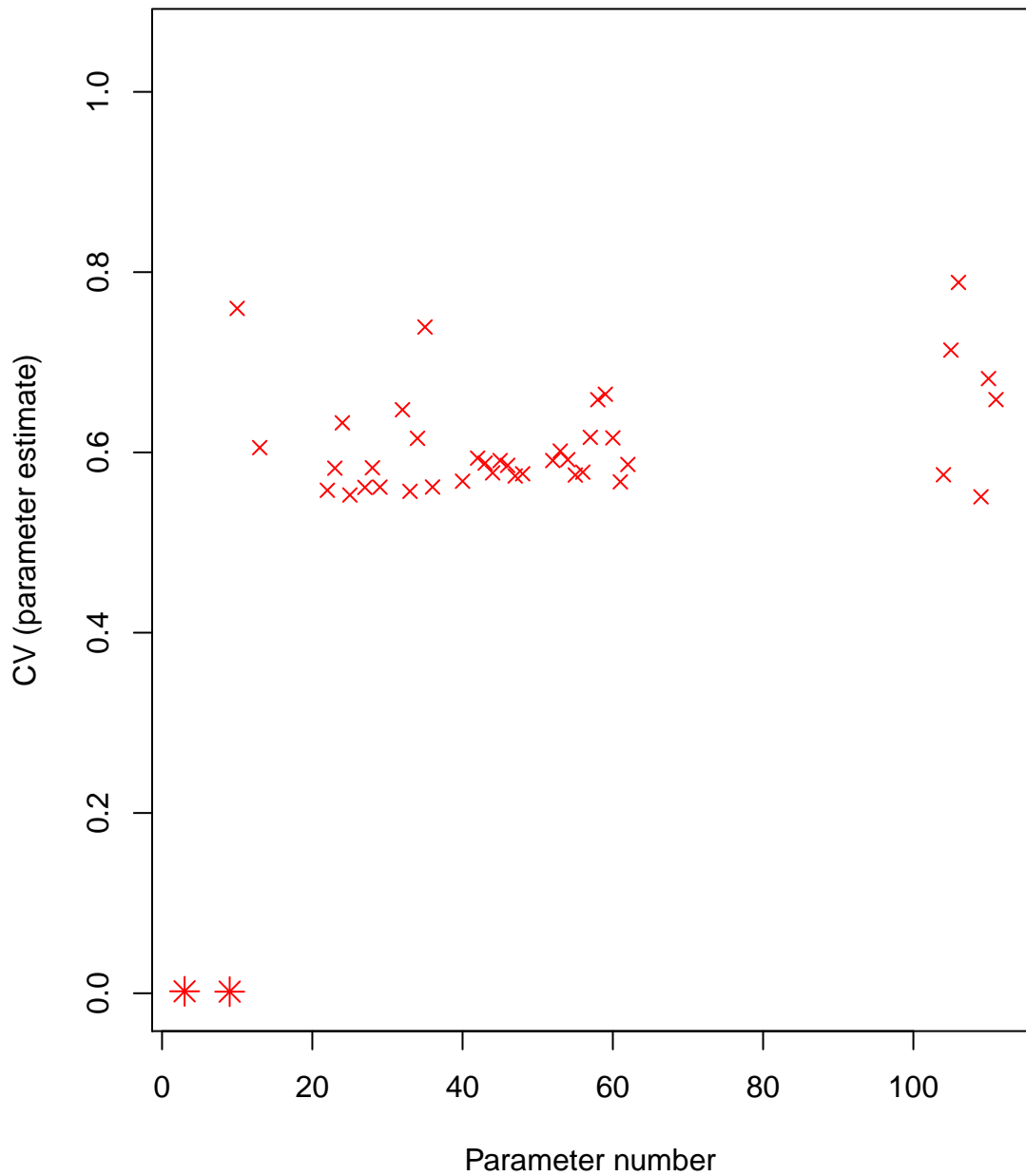
npar = 120, maximum gradient = 0.000286004

Components of Obj. Function (2896), npar=120

Maximum gradient = 0.000286



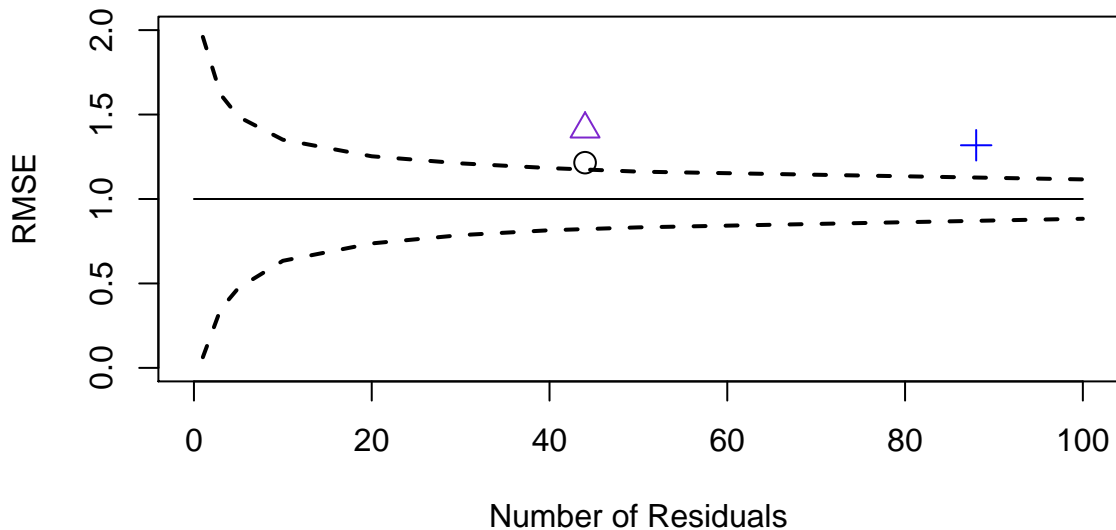




Root Mean Square Error computed from Standardized Residuals

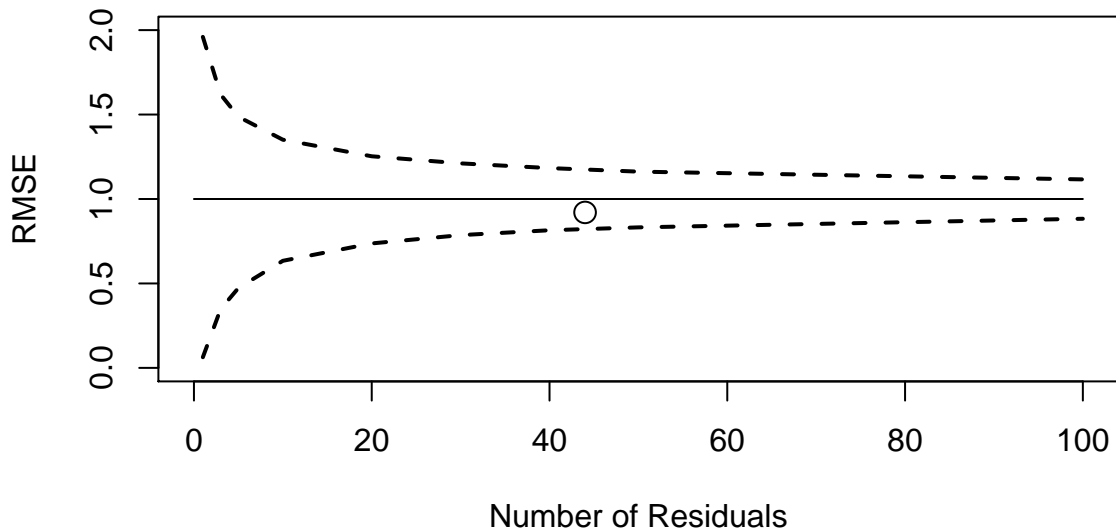
Component	# resids	RMSE
catch.tot	44	0.921
discard.tot	0	0
ind01	44	1.22
ind02	44	1.41
ind.total	88	1.32
N.year1	0	0
Fmult.year1	0	0
Fmult.devs.total	0	0
recruit.devs	0	0
fleet.sel.params	0	0
index.sel.params	0	0
q.year1	0	0
q.devs	0	0
SR.steepness	0	0
SR.scaler	0	0

Root Mean Square Error for Indices



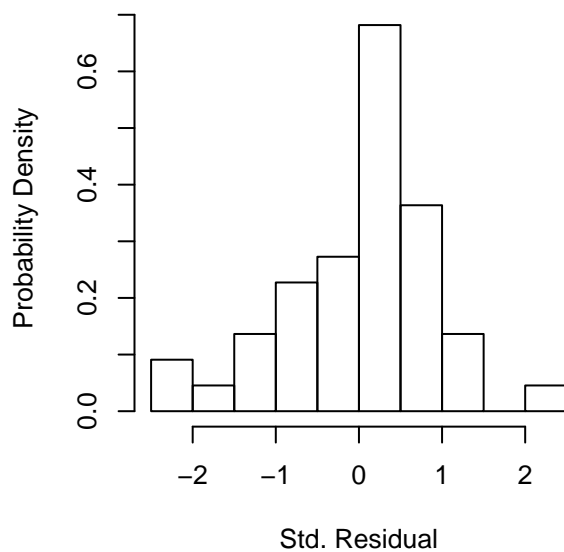
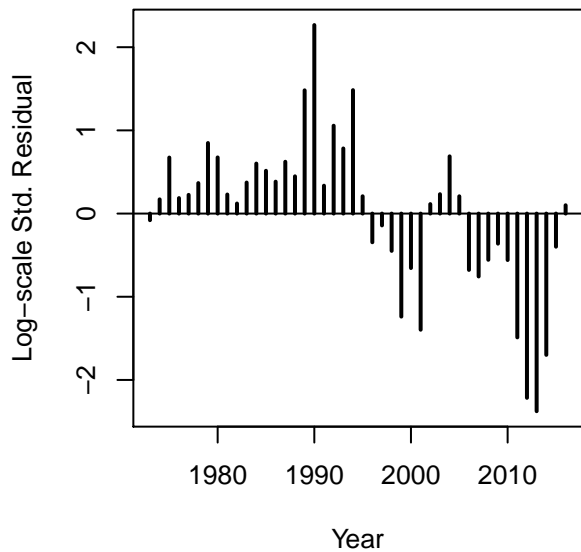
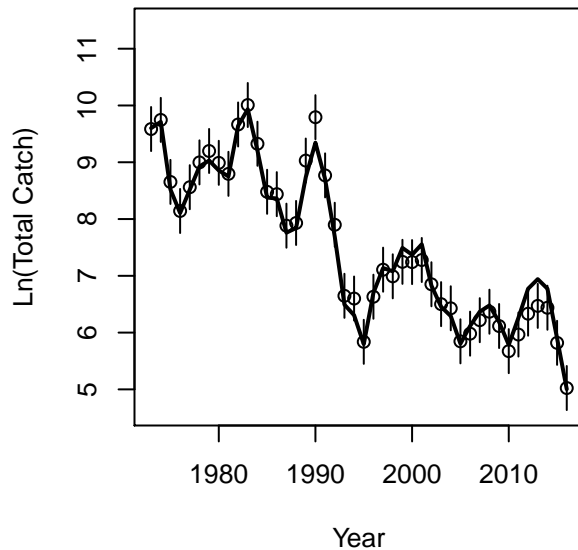
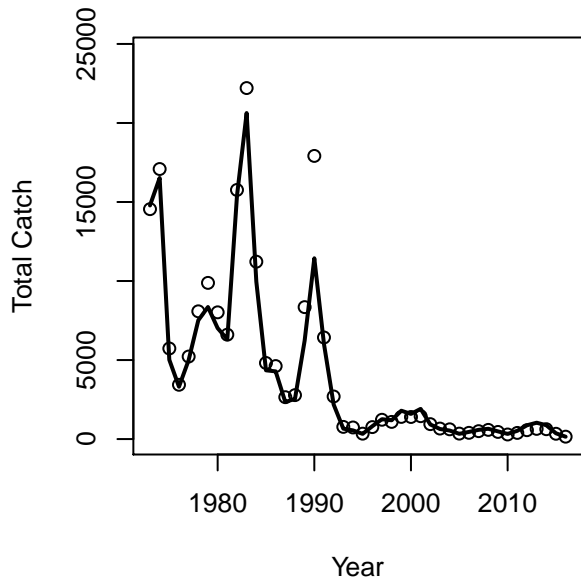
+ ind total
△ INDEX-2
○ INDEX-1

Root Mean Square Error for Catch



○ catch.tot

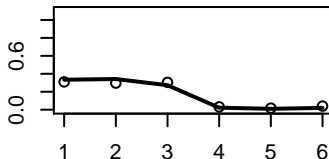
Fleet 1 Catch (FLEET-1)



Catch

Year = 1977

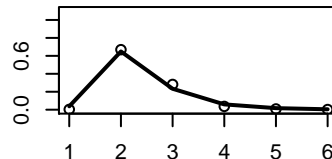
Proportion at Age



Age

Year = 1982

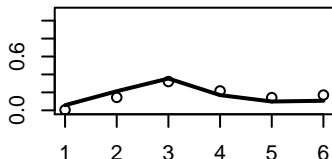
Proportion at Age



Age

Year = 1973

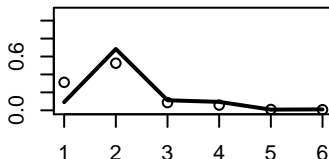
Proportion at Age



Age

Year = 1978

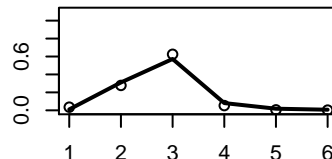
Proportion at Age



Age

Year = 1983

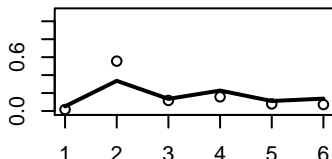
Proportion at Age



Age

Year = 1974

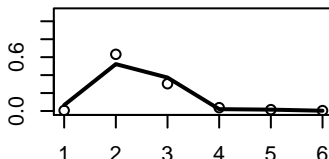
Proportion at Age



Age

Year = 1979

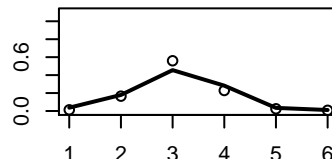
Proportion at Age



Age

Year = 1984

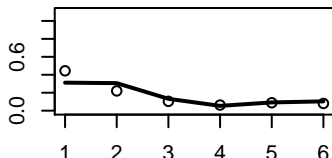
Proportion at Age



Age

Year = 1975

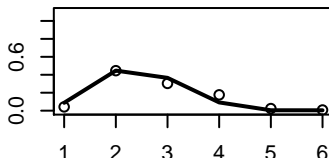
Proportion at Age



Age

Year = 1980

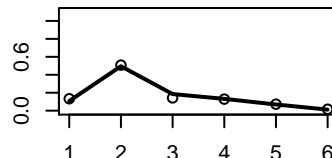
Proportion at Age



Age

Year = 1985

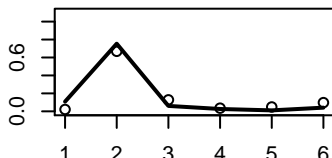
Proportion at Age



Age

Year = 1976

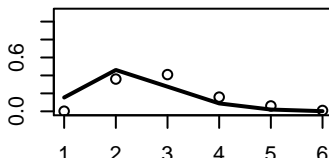
Proportion at Age



Age

Year = 1981

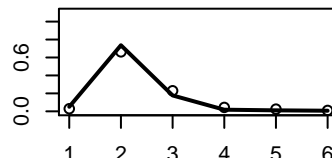
Proportion at Age



Age

Year = 1986

Proportion at Age

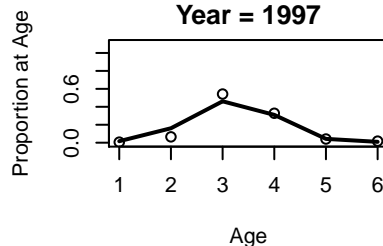


Age

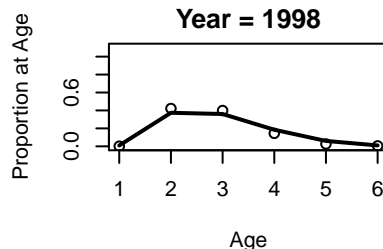
Fleet 1
FLEET-1



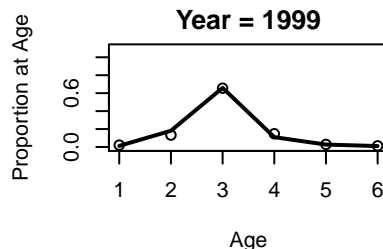
Year = 1992



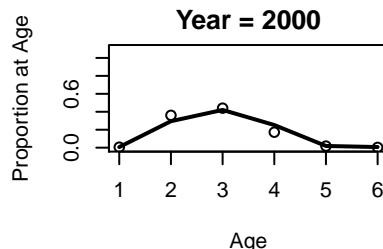
Year = 1988



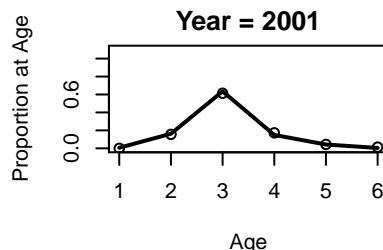
Year = 1989



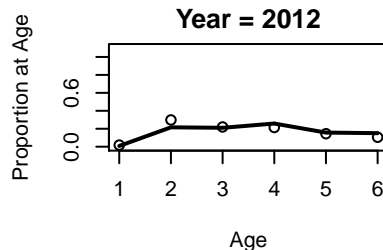
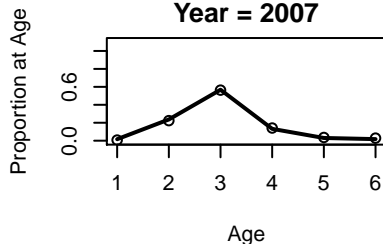
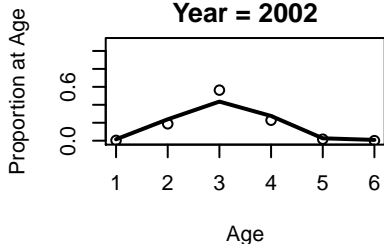
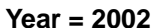
Year = 1990



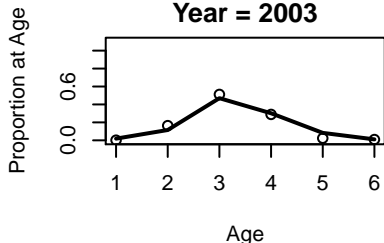
Year = 1991



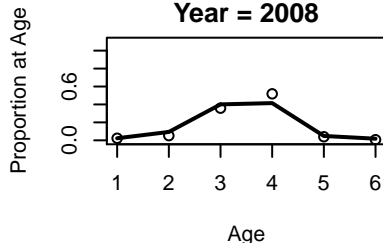
Year = 2007



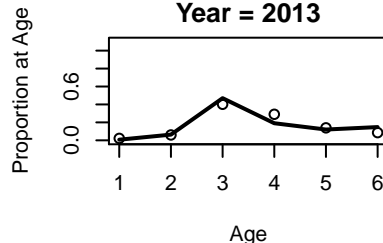
Year = 2003



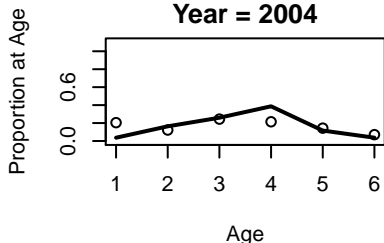
Year = 2008



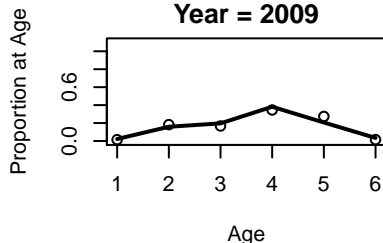
Year = 2013



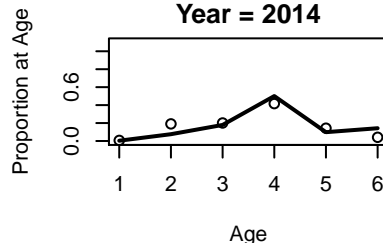
Year = 2004



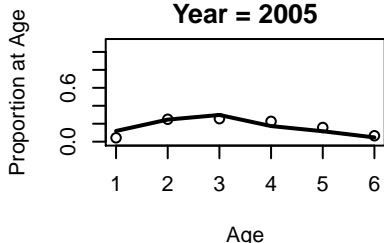
Year = 2009



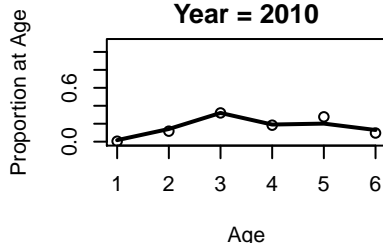
Year = 2014



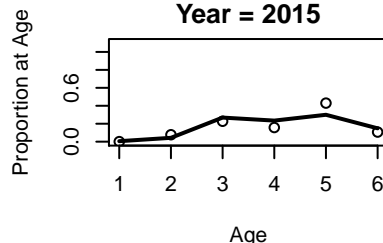
Year = 2005



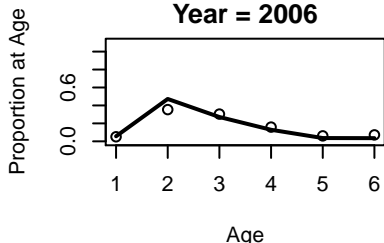
Year = 2010



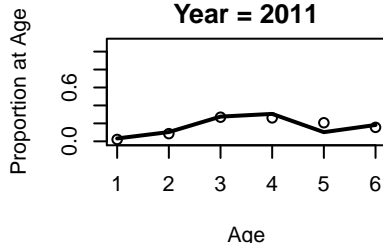
Year = 2015



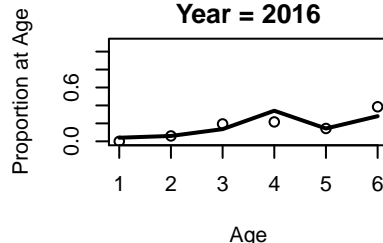
Year = 2006



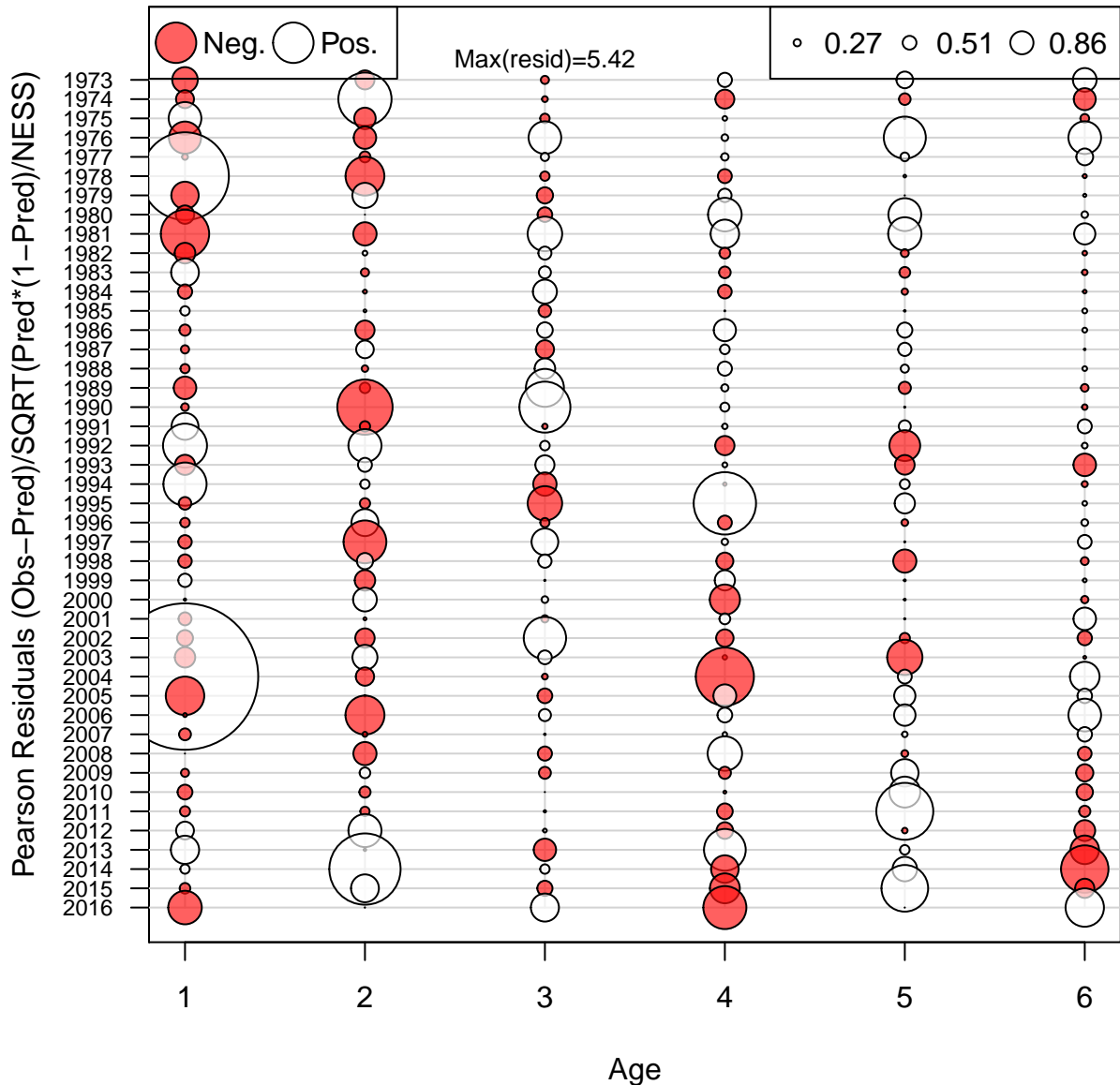
Year = 2011



Year = 2016

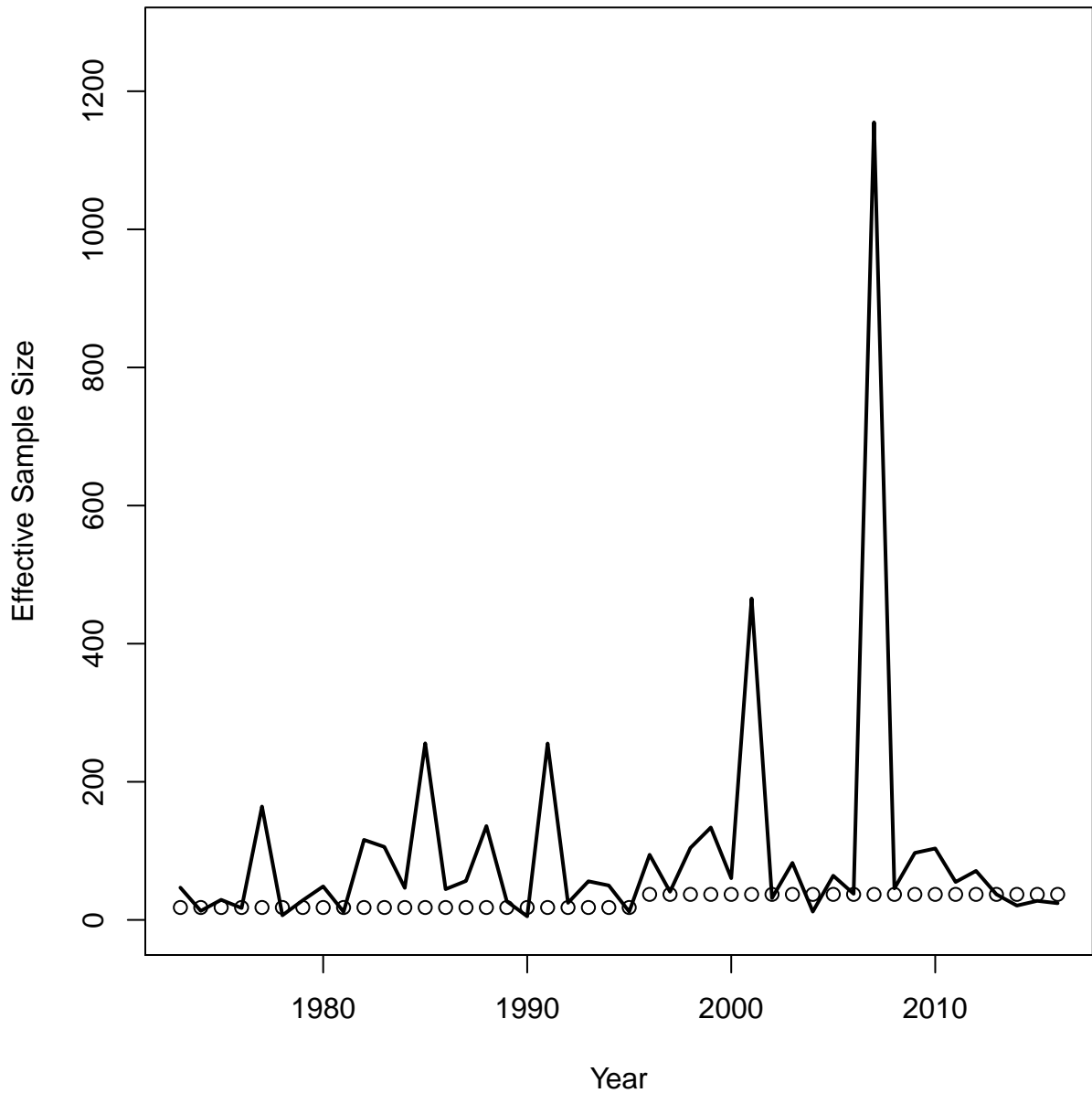


Age Comp Residuals for Catch by Fleet 1 (FLEET-1)

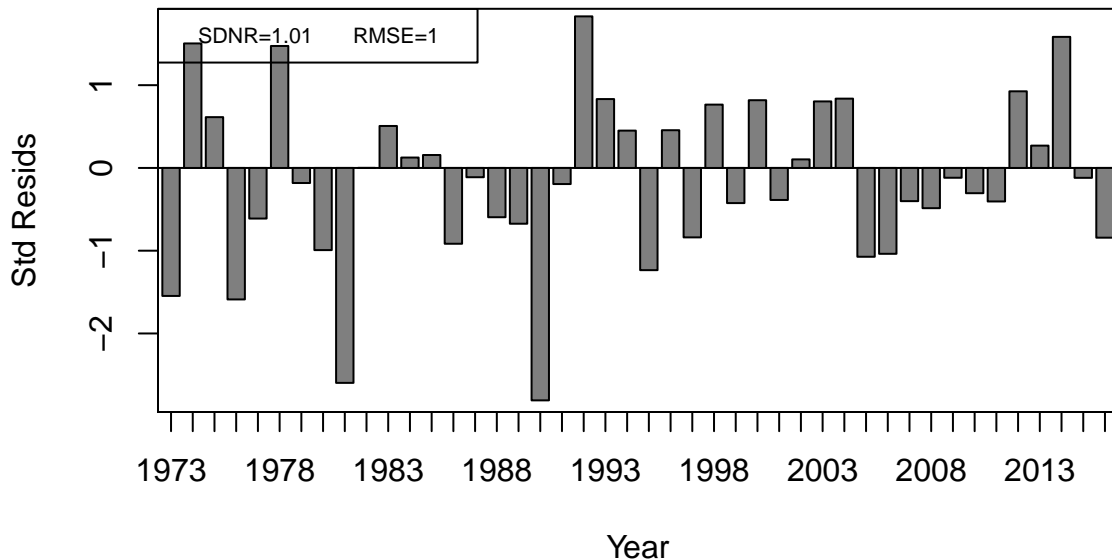
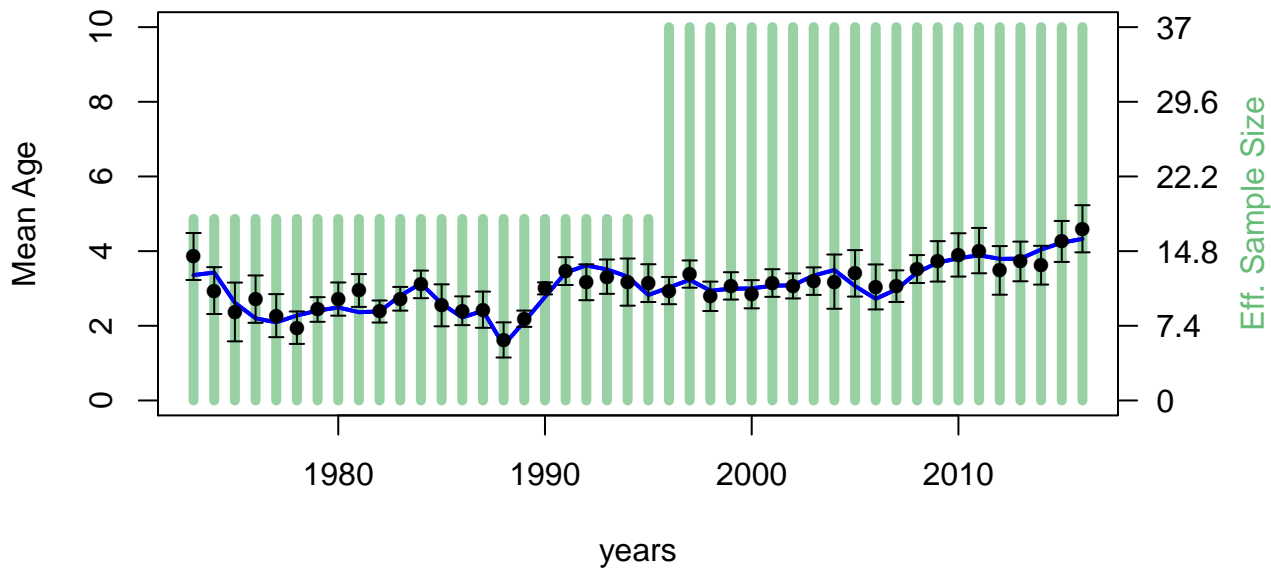


Mean resid = 0.06 SD(resid) = 0.87

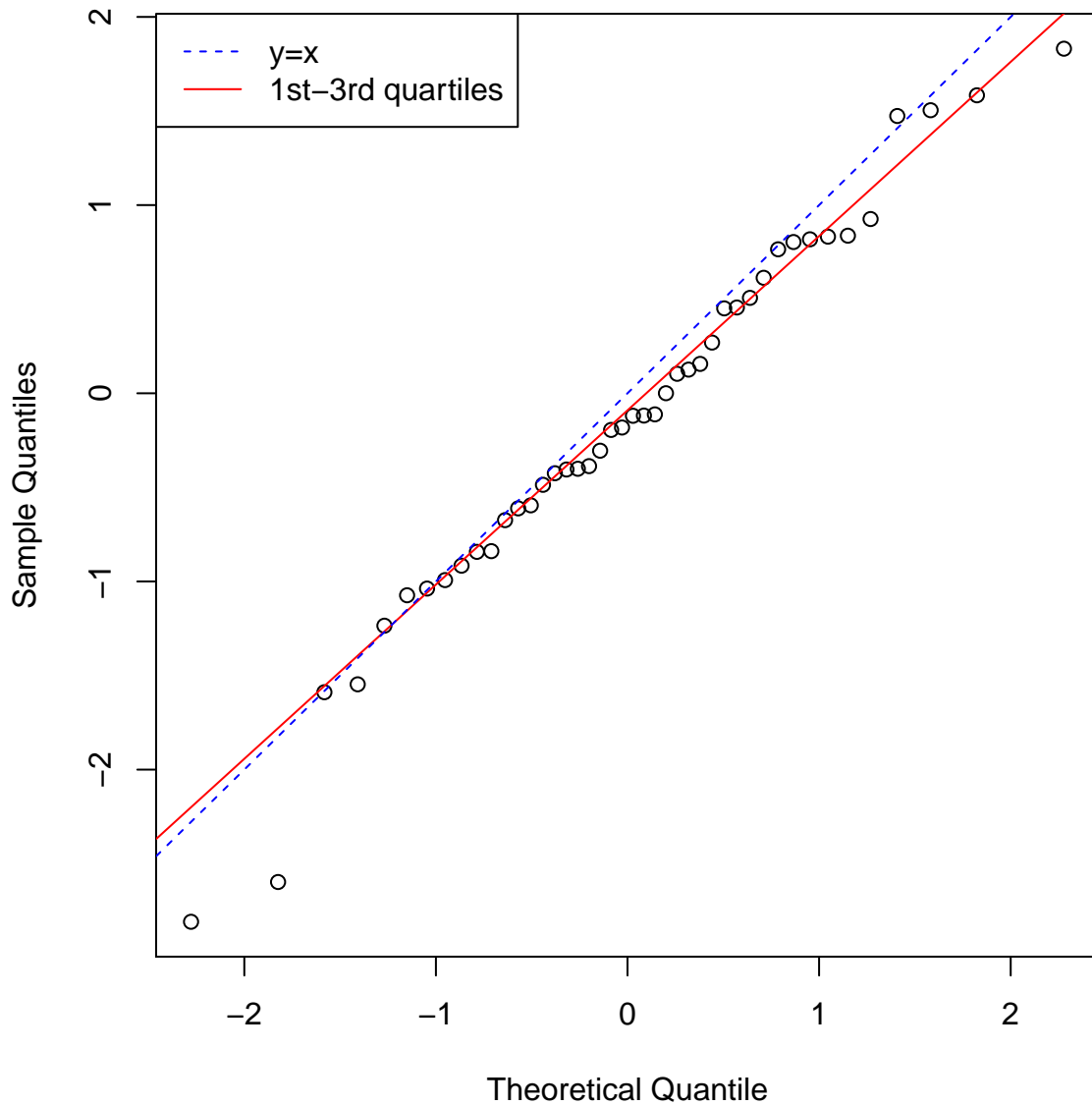
Catch Neff Fleet 1 (FLEET-1)



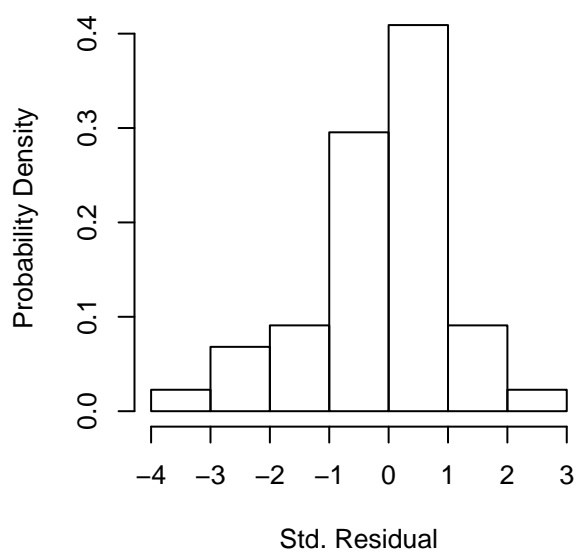
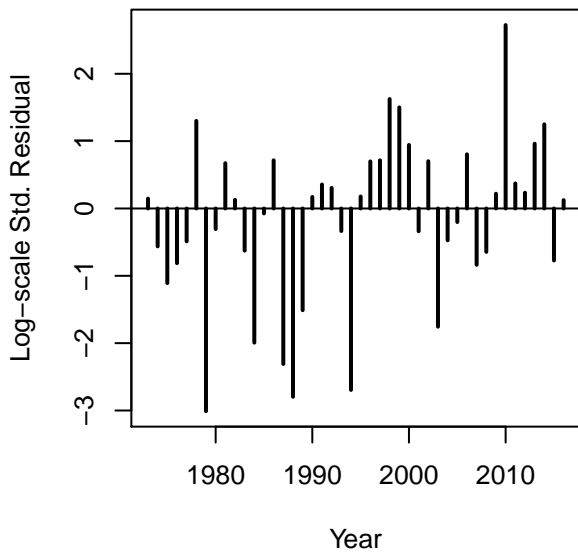
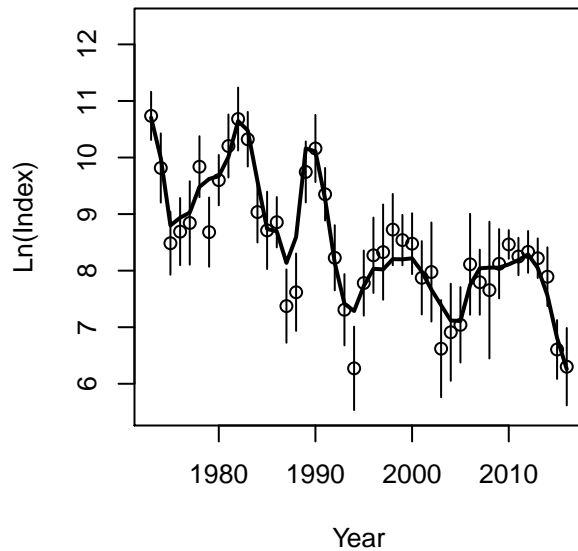
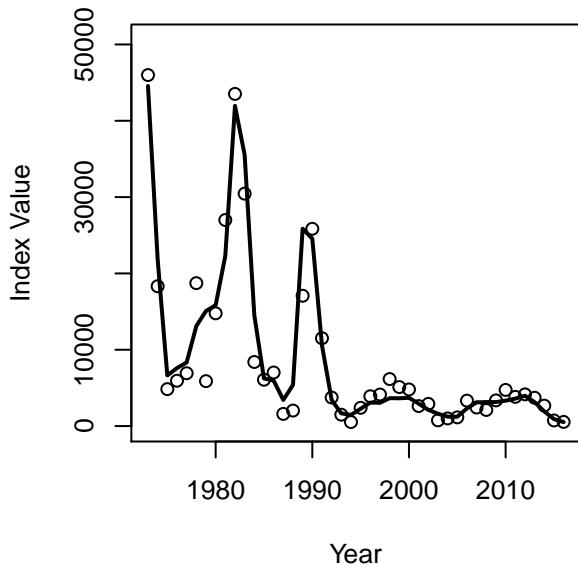
Catch Fleet 1 (FLEET-1)



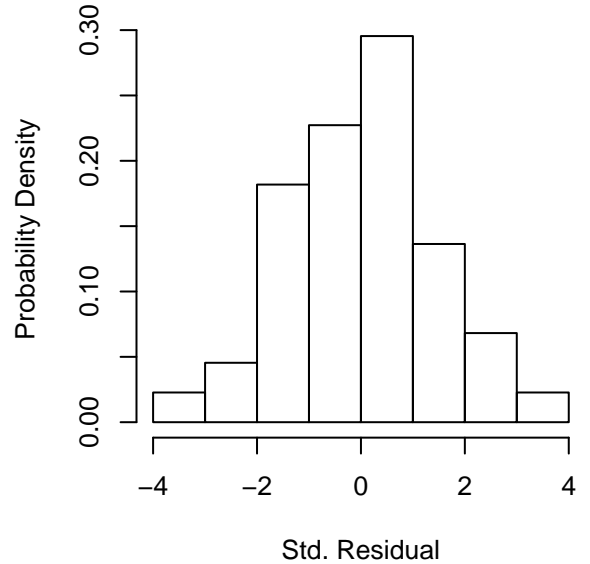
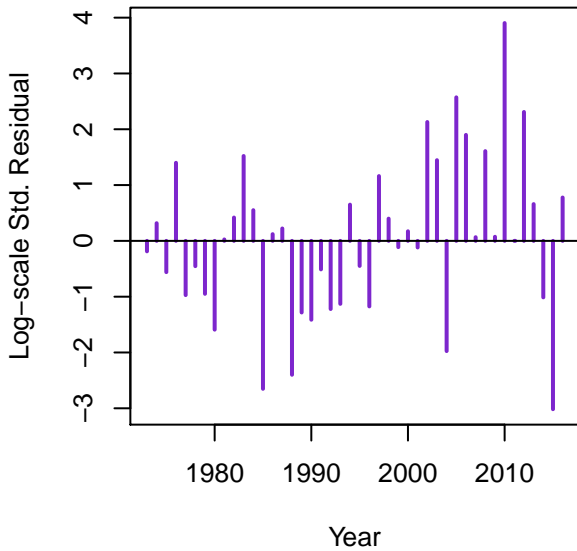
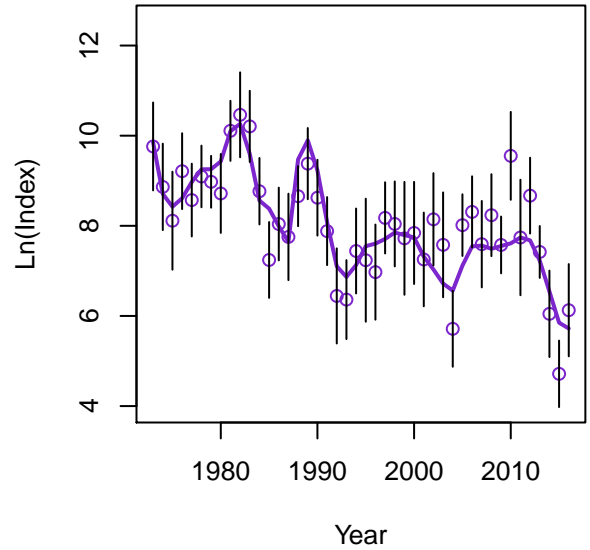
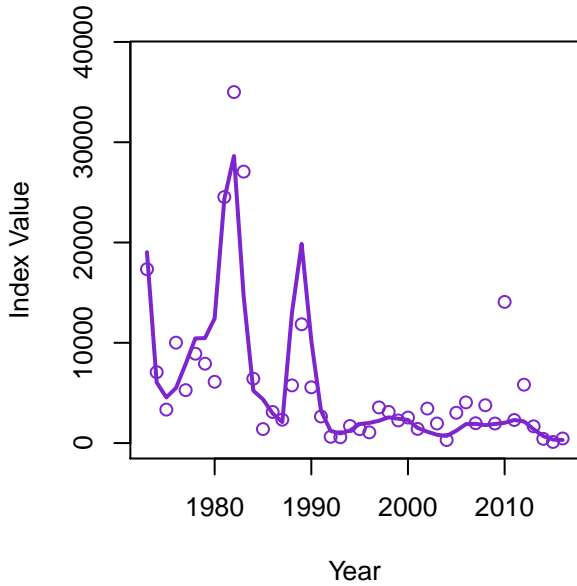
Catch Fleet 1 (FLEET-1)



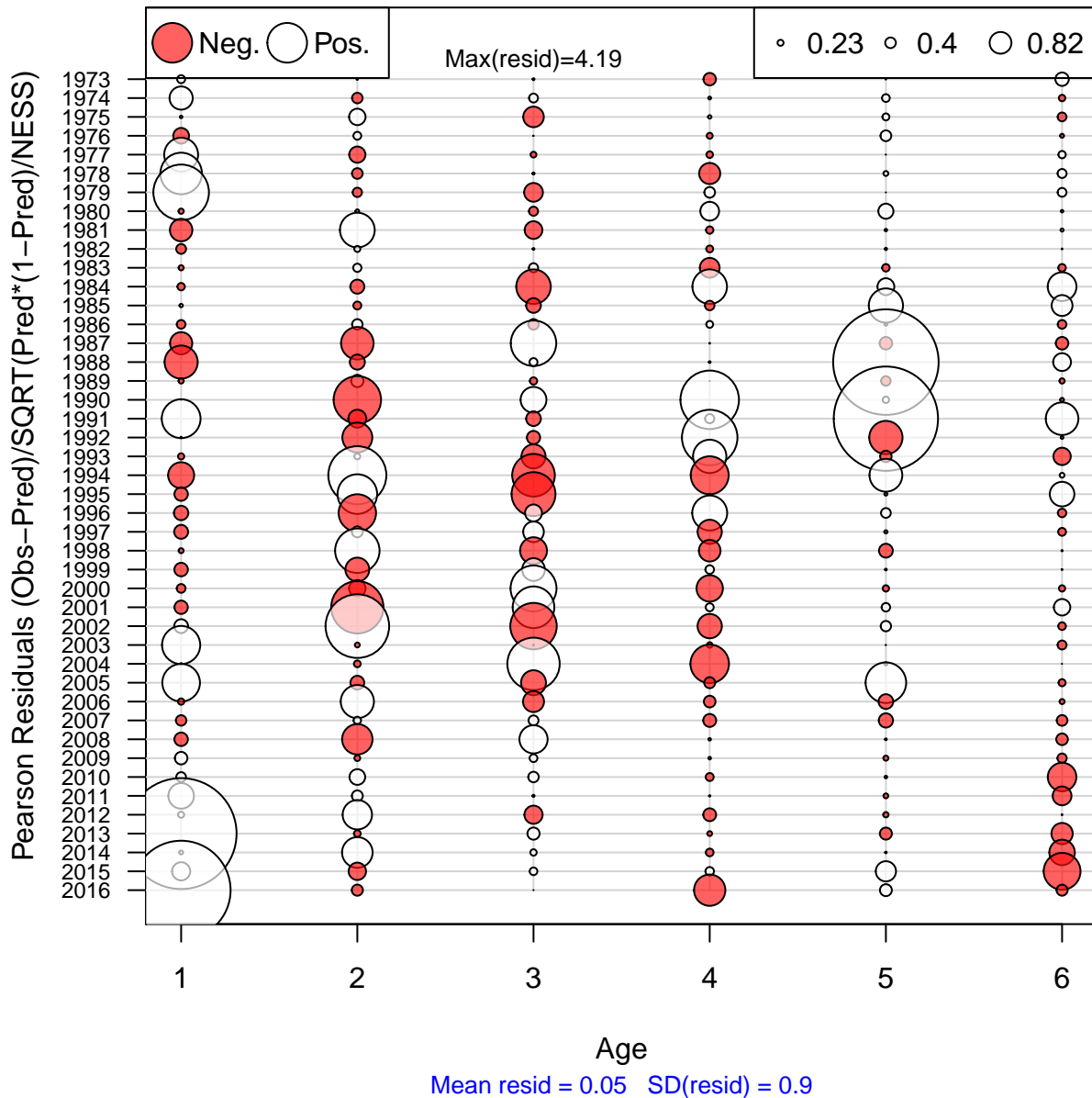
Index 1 (INDEX-1)



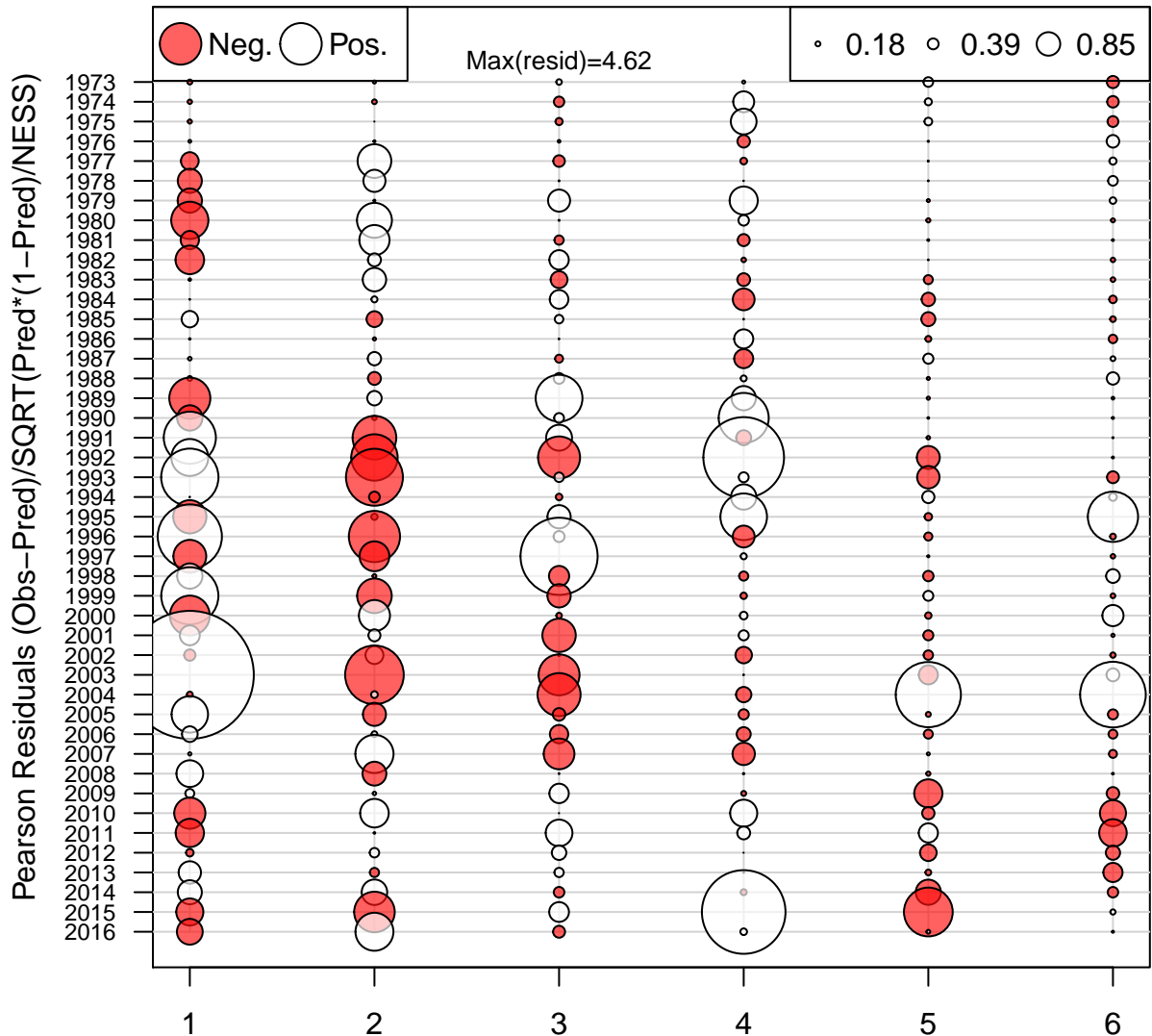
Index 2 (INDEX-2)



Age Comp Residuals for Index 1 (INDEX-1)

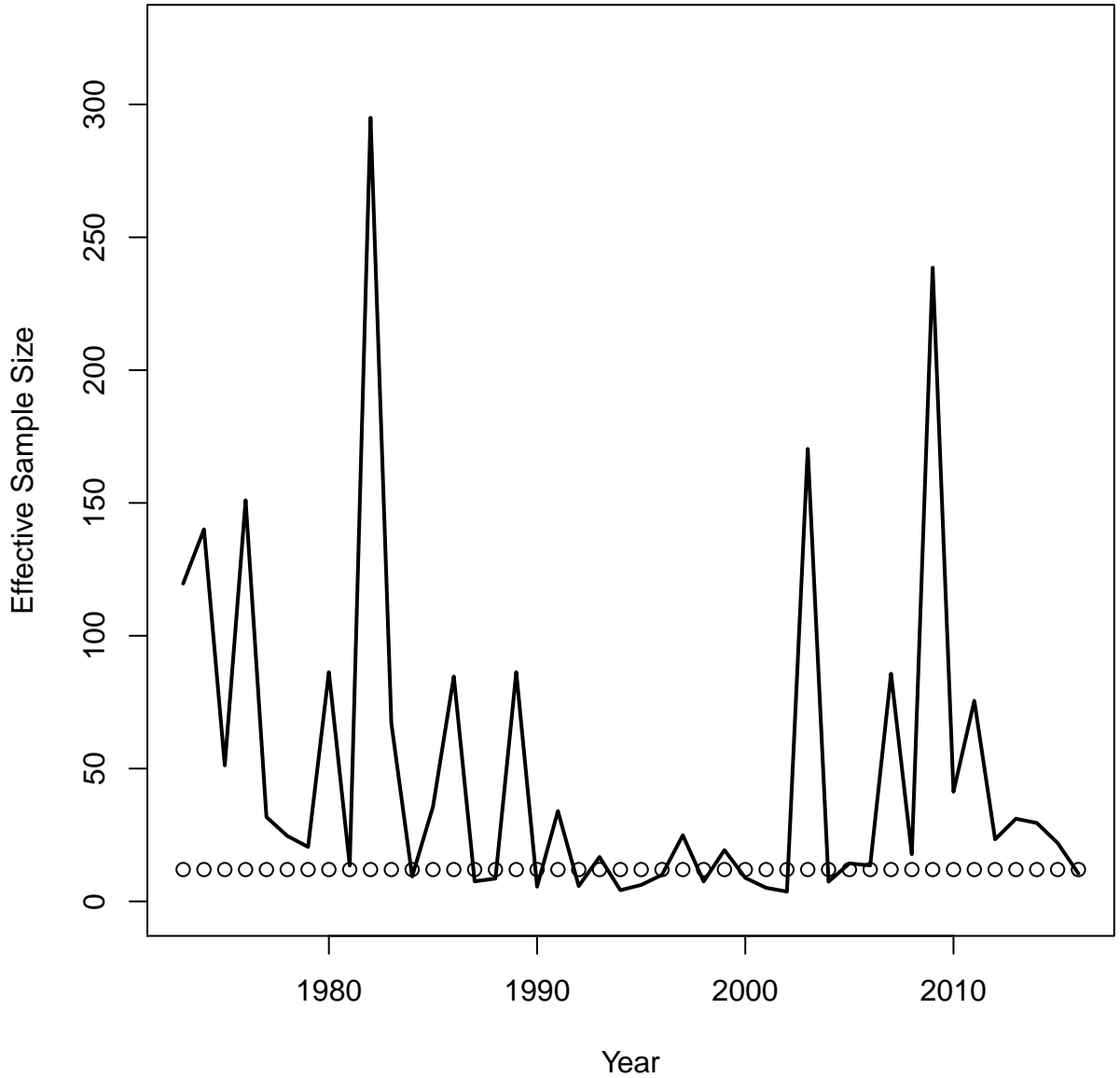


Age Comp Residuals for Index 2 (INDEX-2)

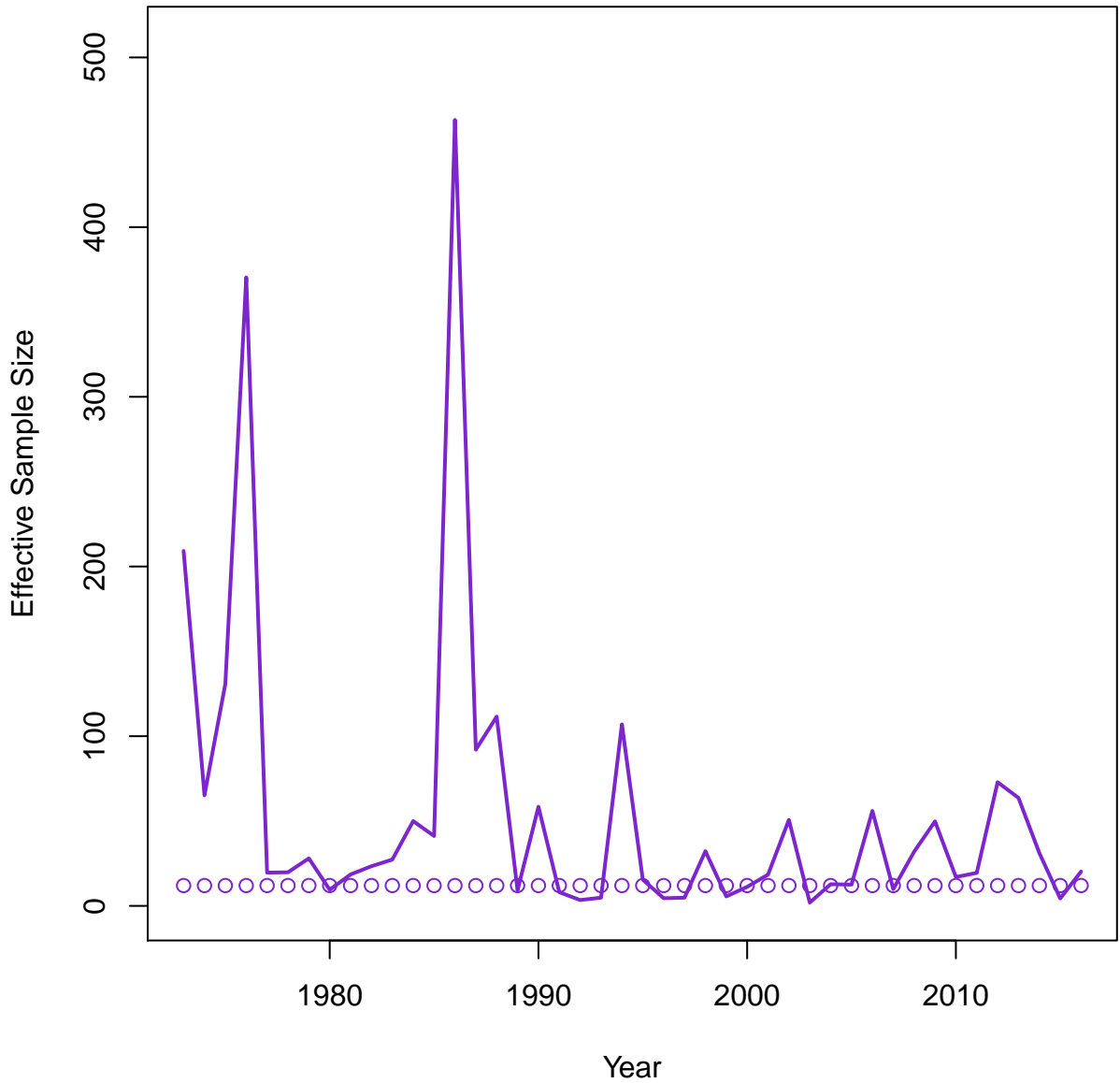


Mean resid = 0.02 SD(resid) = 0.87

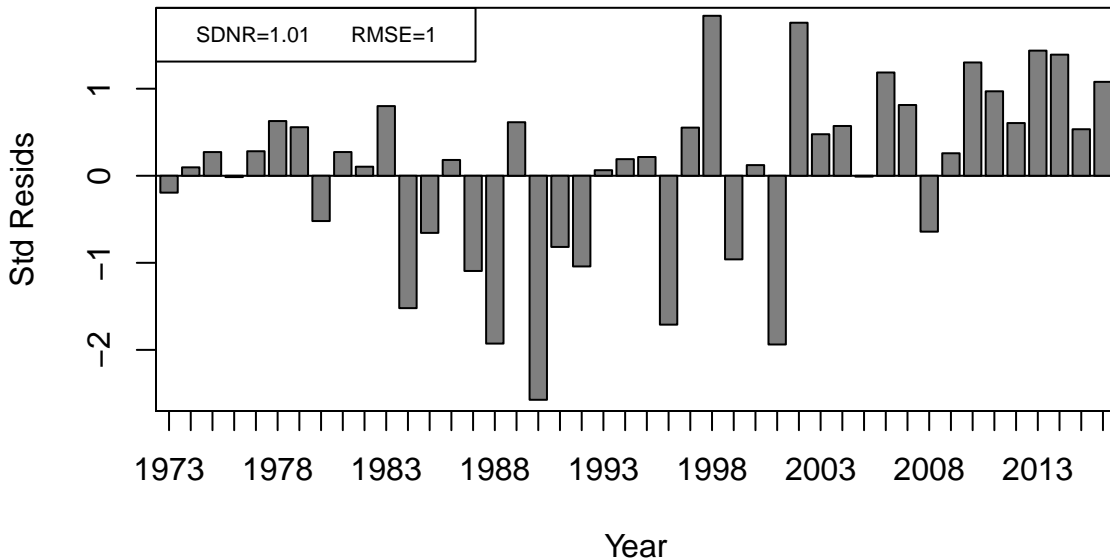
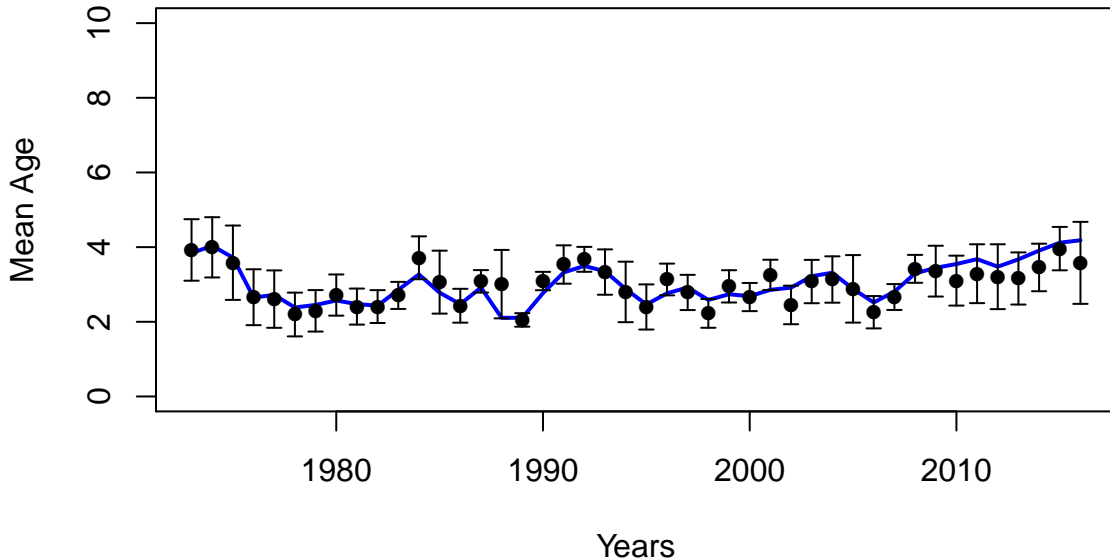
Index Neff 1 (INDEX-1)



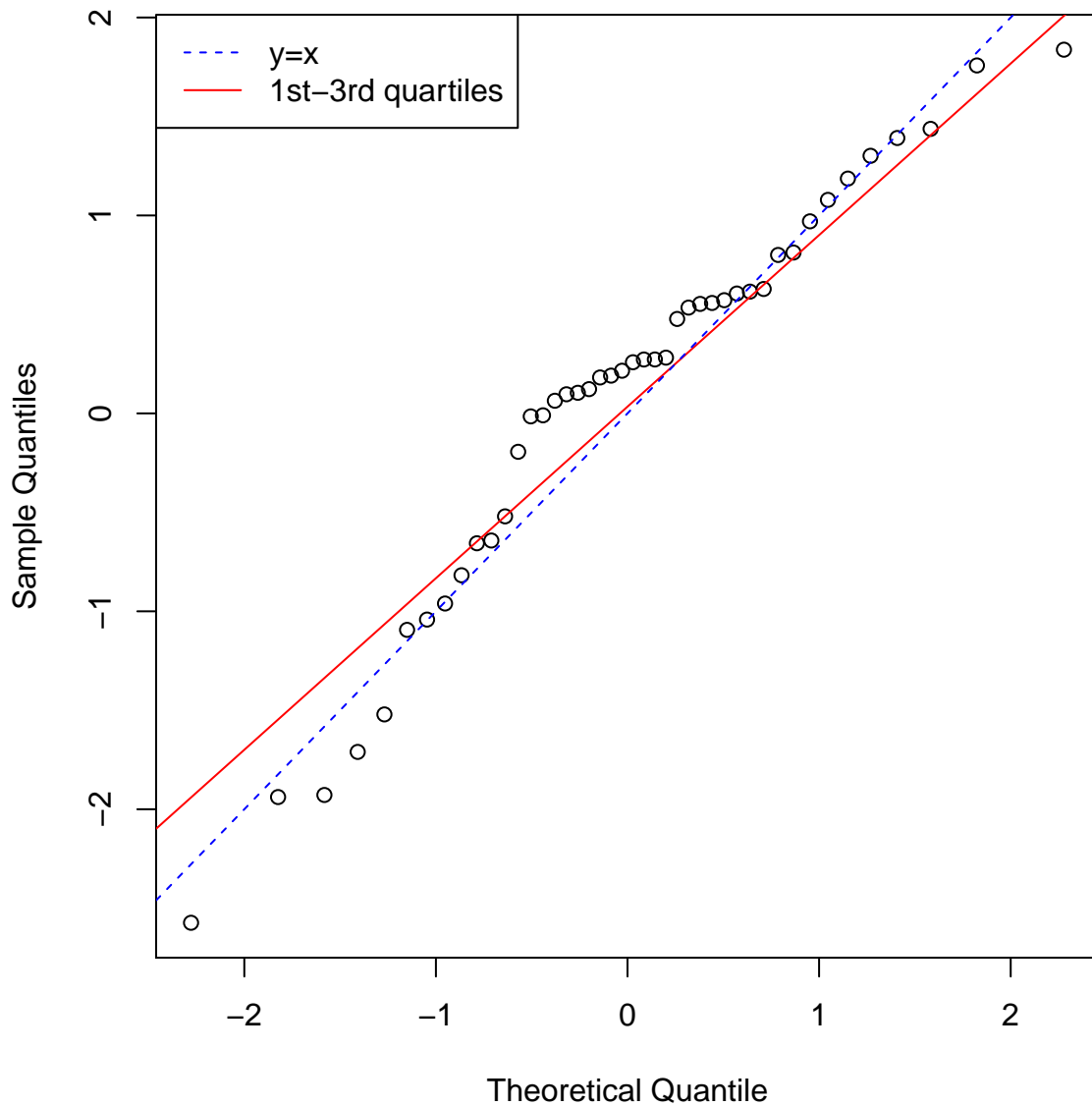
Index Neff 2 (INDEX-2)



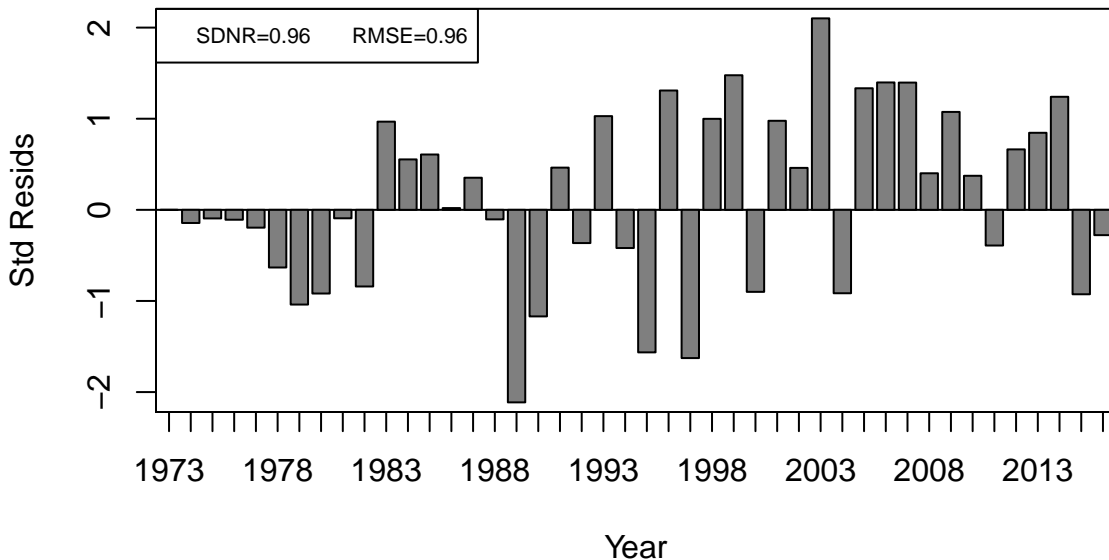
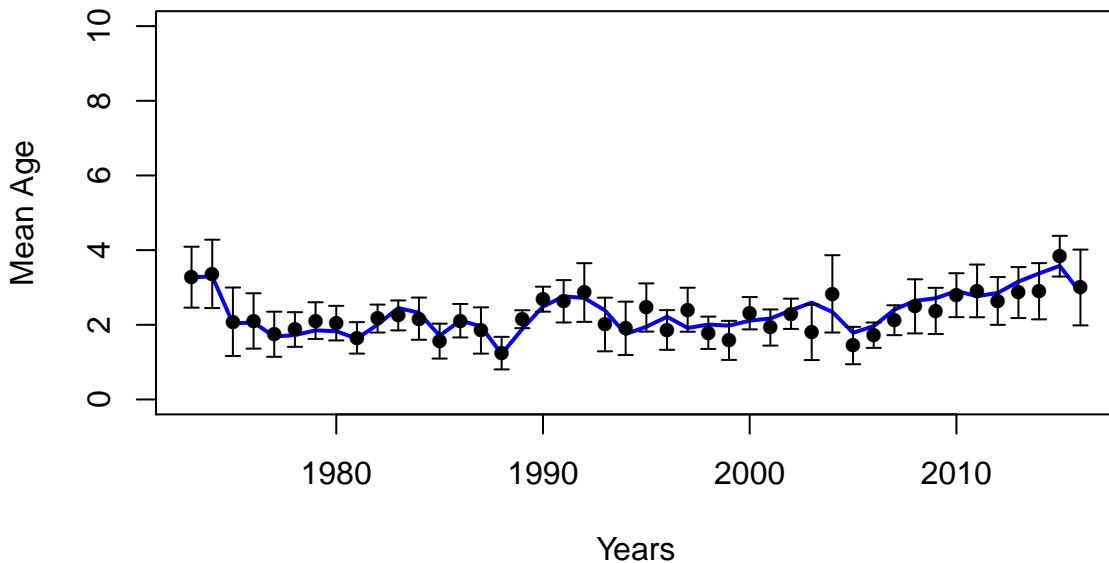
Index 1 (INDEX-1) ESS = 12



Index 1 (INDEX-1) ESS = 12



Index 2 (INDEX-2) ESS = 12



Index 2 (INDEX-2) ESS = 12

