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## AgeComp



Age comps, retained, CM\_E (plot 1 of 2).

'N adj.' is the input sample size after data-weighting adjustment. N eff. is the calculated effective sample size used in the McAllister-Iannelli tuning method.

*file:* [*comp\_agefit\_flt1mkt2\_page1.png*](http://docs.google.com/comp_agefit_flt1mkt2_page1.png)

**

Age comps, retained, CM\_E (plot 2 of 2)

*file:* [*comp\_agefit\_flt1mkt2\_page2.png*](http://docs.google.com/comp_agefit_flt1mkt2_page2.png)

**

Pearson residuals, retained, CM\_E (max=3.55) (plot 2 of 2)

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_agefit\_residsflt1mkt2\_page2.png*](http://docs.google.com/comp_agefit_residsflt1mkt2_page2.png)

**

N-EffN comparison, Age comps, retained, CM\_E

*file:* [*comp\_agefit\_sampsize\_flt1mkt2.png*](http://docs.google.com/comp_agefit_sampsize_flt1mkt2.png)

**

Mean age for CM\_E with 95% confidence intervals based on current samples sizes.

Francis data weighting method TA1.8: thinner intervals (with capped ends) show result of further adjusting sample sizes based on suggested multiplier (with 95% interval) for age data from CM\_E:

0.7489 (0.5006-1.6167)

For more info, see

Francis, R.I.C.C. (2011). Data weighting in statistical fisheries stock assessment models. *Can. J. Fish. Aquat. Sci.* 68: 1124-1138. <https://doi.org/10.1139/f2011-025>

*file:* [*comp\_agefit\_data\_weighting\_TA1.8\_CM\_E.png*](http://docs.google.com/comp_agefit_data_weighting_TA1.8_CM_E.png)

**

Age comps, retained, CM\_W (plot 1 of 2).

'N adj.' is the input sample size after data-weighting adjustment. N eff. is the calculated effective sample size used in the McAllister-Iannelli tuning method.

*file:* [*comp\_agefit\_flt2mkt2\_page1.png*](http://docs.google.com/comp_agefit_flt2mkt2_page1.png)

**

Age comps, retained, CM\_W (plot 2 of 2)

*file:* [*comp\_agefit\_flt2mkt2\_page2.png*](http://docs.google.com/comp_agefit_flt2mkt2_page2.png)

**

Pearson residuals, retained, CM\_W (max=2.34) (plot 2 of 2)

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_agefit\_residsflt2mkt2\_page2.png*](http://docs.google.com/comp_agefit_residsflt2mkt2_page2.png)

**

N-EffN comparison, Age comps, retained, CM\_W

*file:* [*comp\_agefit\_sampsize\_flt2mkt2.png*](http://docs.google.com/comp_agefit_sampsize_flt2mkt2.png)

**

Mean age for CM\_W with 95% confidence intervals based on current samples sizes.

Francis data weighting method TA1.8: thinner intervals (with capped ends) show result of further adjusting sample sizes based on suggested multiplier (with 95% interval) for age data from CM\_W:

0.7444 (0.5172-1.5985)

For more info, see

Francis, R.I.C.C. (2011). Data weighting in statistical fisheries stock assessment models. *Can. J. Fish. Aquat. Sci.* 68: 1124-1138. <https://doi.org/10.1139/f2011-025>

*file:* [*comp\_agefit\_data\_weighting\_TA1.8\_CM\_W.png*](http://docs.google.com/comp_agefit_data_weighting_TA1.8_CM_W.png)

**

Age comps, retained, REC (plot 1 of 2).

'N adj.' is the input sample size after data-weighting adjustment. N eff. is the calculated effective sample size used in the McAllister-Iannelli tuning method.

*file:* [*comp\_agefit\_flt3mkt2\_page1.png*](http://docs.google.com/comp_agefit_flt3mkt2_page1.png)

**

Age comps, retained, REC (plot 2 of 2)

*file:* [*comp\_agefit\_flt3mkt2\_page2.png*](http://docs.google.com/comp_agefit_flt3mkt2_page2.png)

**

Pearson residuals, retained, REC (max=2.87) (plot 2 of 2)

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_agefit\_residsflt3mkt2\_page2.png*](http://docs.google.com/comp_agefit_residsflt3mkt2_page2.png)

**

N-EffN comparison, Age comps, retained, REC

*file:* [*comp\_agefit\_sampsize\_flt3mkt2.png*](http://docs.google.com/comp_agefit_sampsize_flt3mkt2.png)

**

Mean age for REC with 95% confidence intervals based on current samples sizes.

Francis data weighting method TA1.8: thinner intervals (with capped ends) show result of further adjusting sample sizes based on suggested multiplier (with 95% interval) for age data from REC:

1.1288 (0.8097-2.4199)

For more info, see

Francis, R.I.C.C. (2011). Data weighting in statistical fisheries stock assessment models. *Can. J. Fish. Aquat. Sci.* 68: 1124-1138. <https://doi.org/10.1139/f2011-025>

*file:* [*comp\_agefit\_data\_weighting\_TA1.8\_REC.png*](http://docs.google.com/comp_agefit_data_weighting_TA1.8_REC.png)

**

Age comps, aggregated across time by fleet.

Labels 'retained' and 'discard' indicate discarded or retained sampled for each fleet. Panels without this designation represent the whole catch.

*file:* [*comp\_agefit\_\_aggregated\_across\_time.png*](http://docs.google.com/comp_agefit__aggregated_across_time.png)

**

Pearson residuals, comparing across fleets

Closed bubbles are positive residuals (observed > expected) and open bubbles are negative residuals (observed < expected).

*file:* [*comp\_agefit\_\_multi-fleet\_comparison.png*](http://docs.google.com/comp_agefit__multi-fleet_comparison.png)