

Using the ratio of juvenile sardine : anchovy estimated by the June 2020 recruit survey to predict the 2020 sardine bycatch

SWG-PEL Meeting
14th July 2020

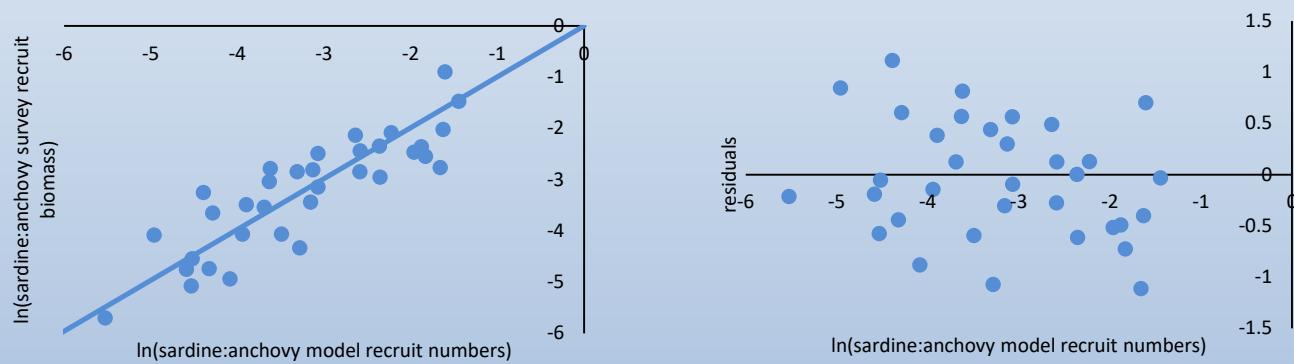
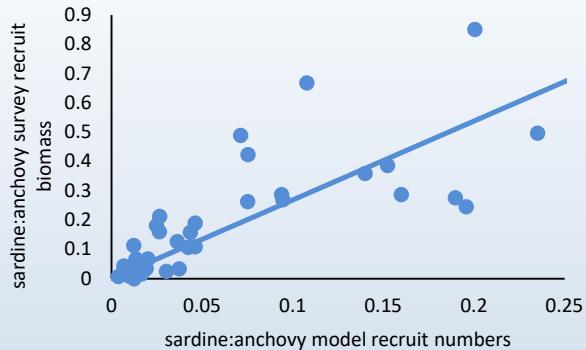
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Survey ratios in biomass

Observation: 0.038

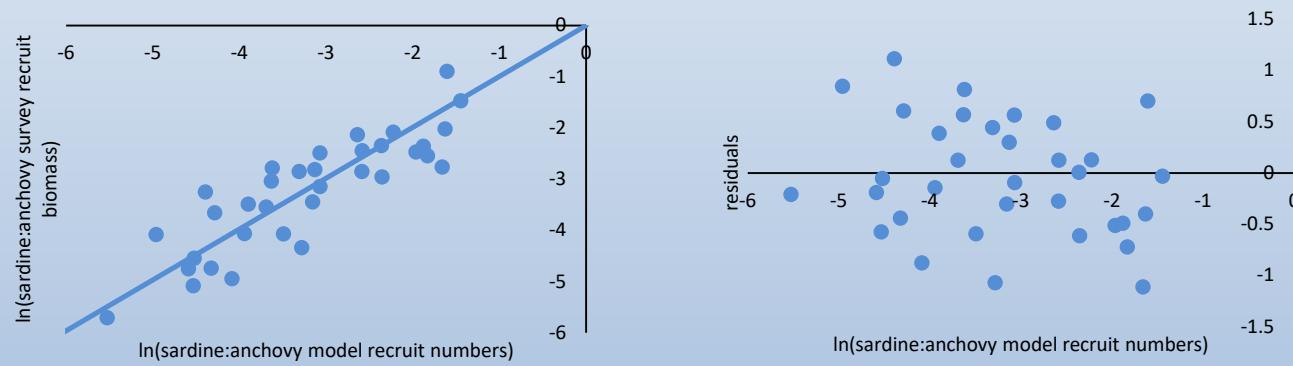
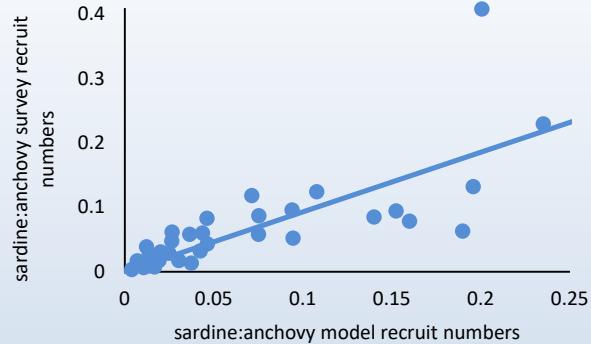


- Doc #40 anchovy model: Slope of 0.69 in log space True ratio 0.009
- Doc #51 anchovy model: Slope of 0.73 in log space True ratio 0.011
- If these ratios remain constant throughout the year, an anchovy TAC of 350 000t TAC would result in a small sardine bycatch of 3 151t (Doc #40) or 3 881t (Doc #51)

This ignores variability!

Survey ratios in numbers

Observation: 0.019



- Doc #40 anchovy model: Slope of 0.99 in log space True ratio 0.018
- Doc #51 anchovy model: Slope of 1.04 in log space True ratio 0.022
- If these ratios remain constant throughout the year, an anchovy TAC of 350 000t TAC would result in a small sardine bycatch of 6 412t (Doc #40) or 7 591t (Doc #51)

This
ignores
variability!

**Using the ratio of juvenile sardine :
anchovy estimated by the June 2020
recruit survey to predict the 2020 sardine
bycatch**

Thank you!