



Cartoon revisited: Cobalt Squarehead



Mark Bravington, CSIRO: June 2021

O&A www.csiro.au









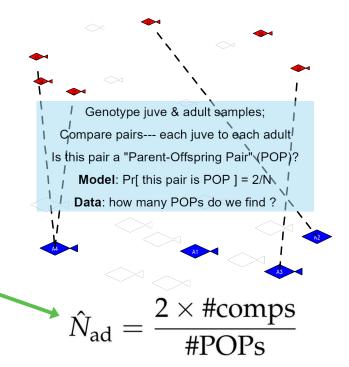




1 adult and 1 juve cohort Biology / sampling: listen!

How does "obvious" answer relate to "The Framework" ?

What could possibly go wrong?

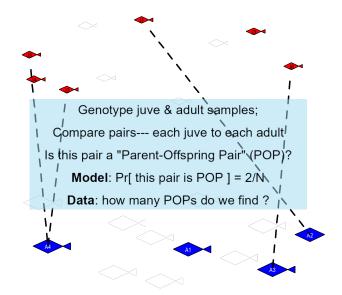


"Pop dyn model": $N_{Qad} \neq N_{O_{ad}}$



#1 Derwent Estuary

Net fishery
Unselective Male/Female
Sex measured

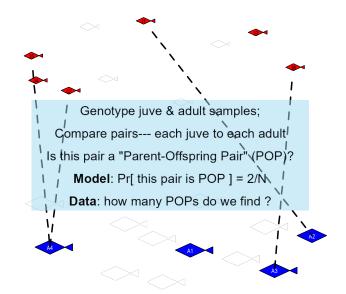


"Pop dyn model": $N_{Qad} \neq N_{Oad}$



Takehomes from Derwent River

- 1. It works, unsurprisingly
- 2. Interpretation of
- 3. Strong Co effect on Male ERRO
 - but not on adult sel prob, so OK

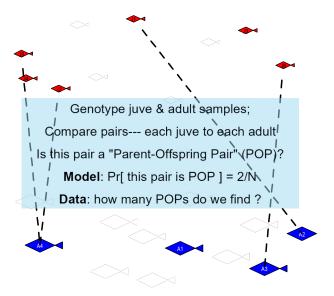




#2 Whyalla

Selective fishery...

look at code now!





Takehomes from Whyalla

- 1. Covariate effect on ERRO can be est'ed
- 2. N_{equiv} can be est'ed
- 3. ... but "census N" requires "selectivity est"
 - from reference (unsel) sample?
 - or some other way...

