

Contents

USE THIS .Rmd TO TEST R CODE CHUNKS, FIGURES AND PLOTS BEFORE INSERTING INTO THE MAIN TEXT OR TO DEBUG

Table 1: Data filtering steps for the CRFS CPFV onboard observer index of abundance for north and south of Pt. Conception.

Filter	tab:Fleet6 & Filter	
	Drifts	Positive Drifts
Data from SQL filtered for missing data	15	15
Remove years prior to 2001 and north of Cape Mendocino	14	14
Depth, remove 1% data on each tail of positive catches	11	13
Time fished, remove 1% data on each tail	10	12
Observed anglers, remove 1% data on each tail	9	11
Limit to reefs observing gopher/byel in at least 20 drifts	7	10
Limite to reefs sampled in at least 2/3 of all years	8	9
Limite to drifts within 1000 m of a reef	6	8
Put depth in 10m depth bins, remove 0-9 and 60-69 m bins	5	7
Start of north filtering	4	6
Filter to drifts within 43 m of a reef,97% quantile	3	5
Make sure reefs still sampled at least 2/3 of years	2	4
Start of south filtering	1	3
Filter to drifts with $\geq 20\%$ groundfish and recheck reefs	13	2
Make sure reefs still sampled at least 2/3 of years	12	1

Table 2: Model selection for the CRFS CPFV onboard observer index of abundance for north of Pt. Conception. Bold values indicate the model selected.

Model	tab:Fleet6_AIC	
	Lognormal	Binomial
Year	14135	17531
Year + Month	14120	17529
Year + Depth	13953	17025
Year + Reef	14126	17293
Year + Month + Depth	13951	17027
Year + Month + Depth + Reef	13921	16674

Table 3: Model selection for the CRFS CPFV onboard observer index of abundance for south of Pt. Conception. Bold values indicate the model selected.

Model	Lognormal	Binomial
Year	2798	5490
Year + Month	2799	5487
Year + Depth	2744	5159
Year + Reef	2653	5390
Year + Depth + Reef	2652	5071
Year + Depth + Reef + Month	2663	5072

tab:Fleet7_AIC