

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 MRFSS dockside intercept survey index of abundance for north and south of Pt. Conception.

Filter	tab:Fleet10_11 Filter	
	Trips	Positive Trips
All data	10,392	1,061
Remove north of Cape Mendocino	10,327	1,061
Remove trips targetting offshore species	10,122	1,061
Start northern filtering	2,788	620
Remove species that never co-occur and not present in at least 1% of all	2,788	620
Stephens-MacCall filter (keep all positives)	806	620
Stephens-MacCall filter (keep only above threshold)	623	437
Start southern filtering	7,334	441
Remove species that never co-occur and not present in at least 1% of all	7,334	441
Stephens-MacCall filter (keep all positives)	687	441
Stephens-MacCall filter (keep only above threshold)	430	184

Table 2: Model selection for the MRFSS dockside intercept survey north of Pt. Conception. Bold values indicate the model selected.

tab:Fleet10_AIC	
Model	AIC
Year	1,481
Year + Region	1,429
Year + Region + Area_X	1,403
Year + Region + Area_X + Wave	1,397

Table 3: Model selection for the MRFSS dockside intercept survey south of Pt. Conception.
 Bold values indicate the model selected.

Model	tab:Fleet11_AIC	
	Lognormal	Binomial
Year	911	552
Year+ Wave	908	538
Year + Wave + Area_X	905	540
Year + Wave + Area_X + SubRegion	903	537
Year + Wave + SubRegion	908	536