Rats Abrolhos

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Abrolhos 2019

Santa Barbara 1

Home range results (sigma estimate, lcl = lowe95%CI; ucl = upper95%CI):

	link	estimate	SE.estimate	lcl	ucl
g0	logit	0.0112862	0.016623	0.0006155	0.174637
sigma	log	16.7599743	15.254022	3.6564336	76.822602

Density results (D estimate, lcl = lowe95%CI; ucl = upper95%CI):

	estimate	SE.estimate	lcl	ucl	CVn	CVa	CVD
esa	0.1847541	NA	NA	NA	NA	NA	NA
D	64.9511822	69.25073	11.77253	358.3475	0.2886751	1.026373	1.066197

Santa Barbara 2

Home range results (sigma estimate, lcl = lowe95%CI; ucl = upper95%CI):

	link	estimate	SE.estimate	lcl	ucl
g0	logit	0.1061979	0.0605182	0.0329329	0.2930611
sigma	log	40.0084173	29.1860594	11.1208514	143.9344347

Density results (D estimate, lcl = lowe95%CI; ucl = upper95%CI):

	estimate	SE.estimate	lcl	ucl	CVn	CVa	CVD
esa	3.680491	NA	NA	NA	NA	NA	NA
D	2.173623	2.641974	0.3360791	14.05811	0.3535534	1.162913	1.21547

RESULTS

For Santa Barbara 1, we have **65** rats/ha (CI95%: 12-358), with home range of **16.75m** (CI95%: 3.66-76.82).

For Santa Barbara 2, we have **2.17** rats/ha (CI95%: 0.34-14), with home range of **40m** (CI95%: 11.12-143.93).

Obs.: In my opinion, the deviation is really too big. We need to collect more data (ie. trapping for longer time and probably with a bigger grid. . .) ~TM