

Selection paper preliminary results

Daniel Reyes

11/8/2020

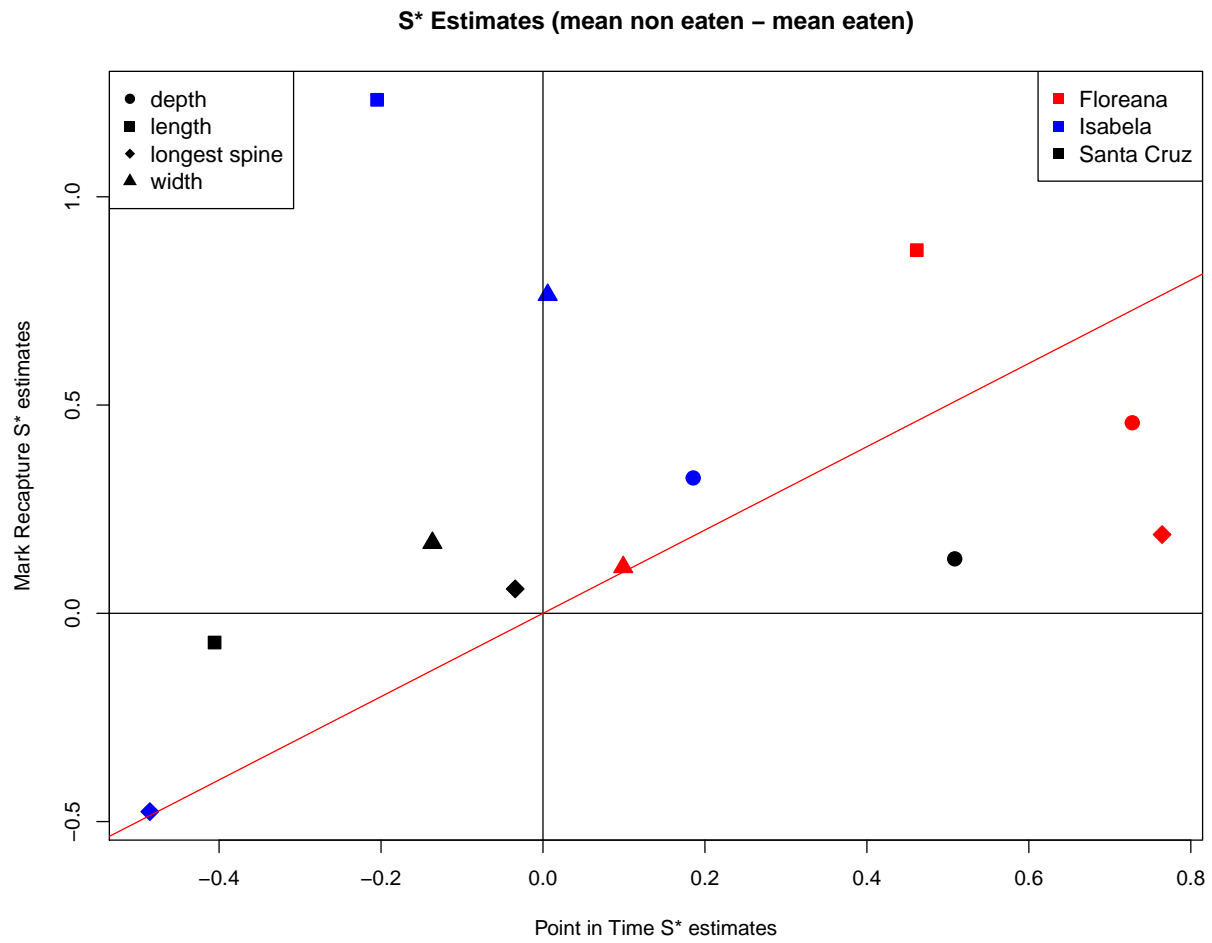
Selection experiment methods

We used two methods to estimate selection of mericarp traits due to predation by finches: *Mark recapture*, which consisted in marking individual mericarps that were recovered at different point trough a year scoring their survival. And, *Point in time*, which consisted in randomly collecting 100 mericarps per population and score their traits and whether or not they show evidence for predation.

Selection experiment preliminary results

S* estimates

The S* estimates were calculated as the difference of the means between survivor (uneaten mericarps “0”) and dead (eaten mericarps “1”). This difference was estimated per trait and then plotted to compare the two methods: mark recapture (MR) and point in time (PT).

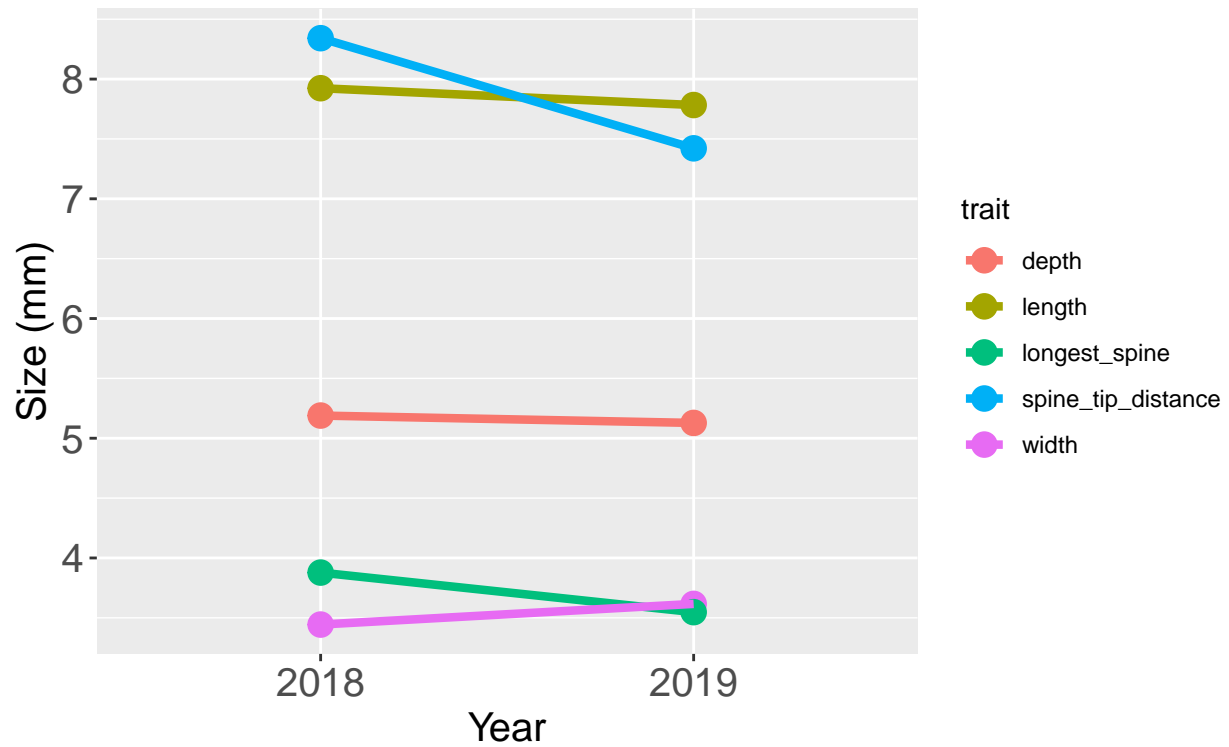


Effect of time on mericarp size

The mark recapture experiment finished in a year. I measured the size of the recovered mericarps of Santa Cruz Island and plotted the mean difference per trait and link them with a line.

Size differences of mericarps

Selection experiment Santa Cruz



I made the same comparison in a series of box plots.

