

Appendix 3

Recapture model

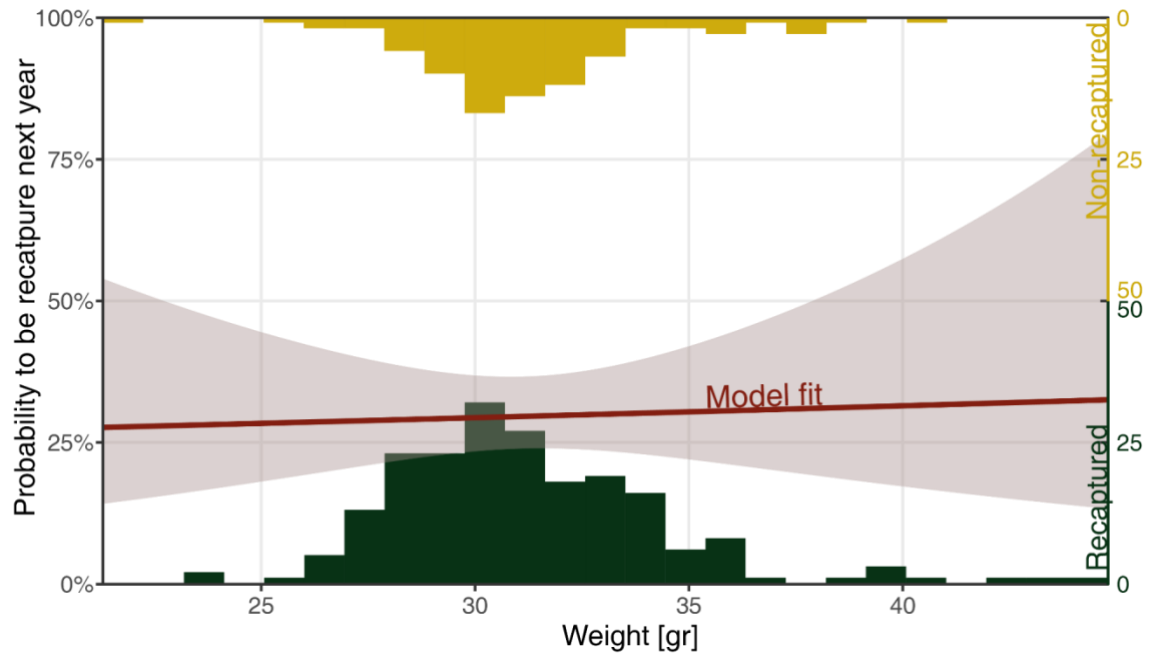


Figure A3.1: Histograms of the weight of RCRC recaptured in a following year and those not recaptured, together with the model fit. The uncertainty of the model shows that weight has an unclear influence on the recapture rate.

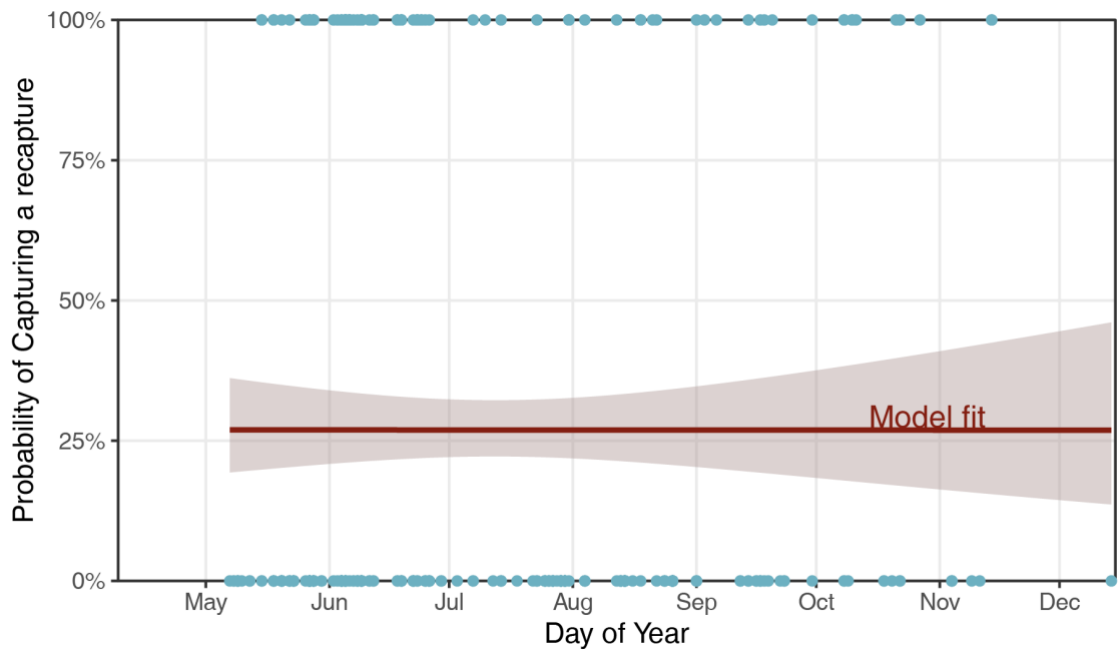


Figure A3.2: Variation throughout the year of the probability that a bird captured is a bird that has been captured in previous years. Blue dots denote the data for each capture of the database and the red line represents the GLM fit of a binomial model. The probability does not change throughout the year, indicating that maximizing the capture of bird capture in previous seasons is the same as maximizing the number of captures.

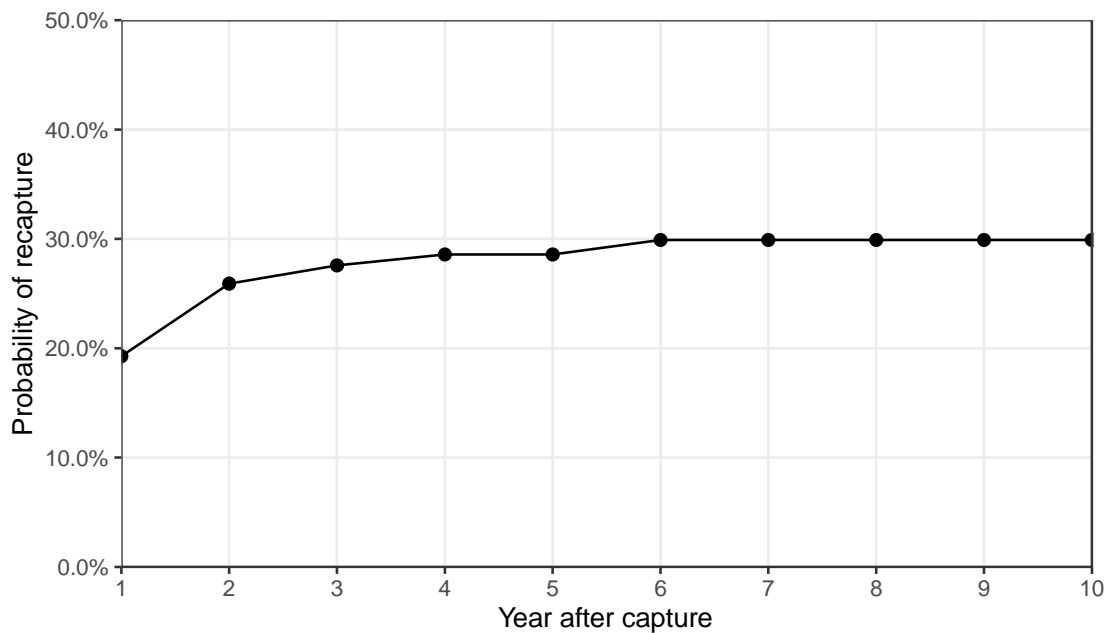


Figure A3.3: Evolution of the probability of recapture as a function of the number of years of capture after the original capture. The probability of recapturing still increases in the second year, so that, it will be worth to still ringing two year after the end of the equipment.