Here we explain the implementation of the method. We use an example teeth simulation.

The algorithm is composed of the following parts:
- main.r : main script. It declares the variables, reads the data, calls the other scripts, iterates through generations and finally plots the data.
- kalman_filter.r : it contains the algorithm of the Kalman filter explained in Appendixes A and B.
- find.rho.r : this script makes predictions with a given rho inside the moving time window, and compares predictions with the observed changes inside the window. This script calls the kalman_filter.r
- predict.r : this script makes the actual prediction for the response to selection, using the rho obtained with find_rho.r. This script calls the kalman_filter.r
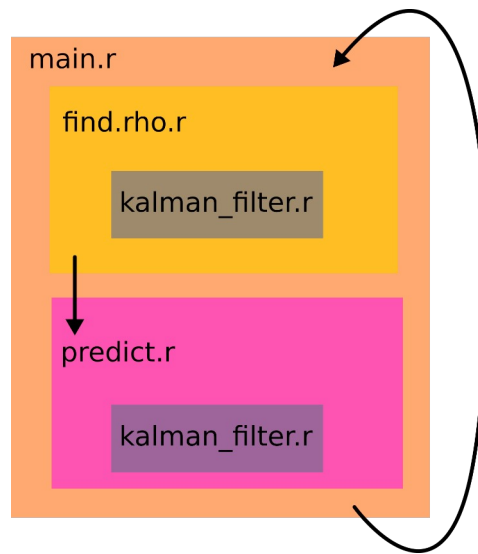

Figure 1. The algorithm is composed of the scripts main.r, find.rho.r, predict.r and kalman_filter.r