User Guide

Application Development

As soon as the application is started this screen will be displayed.
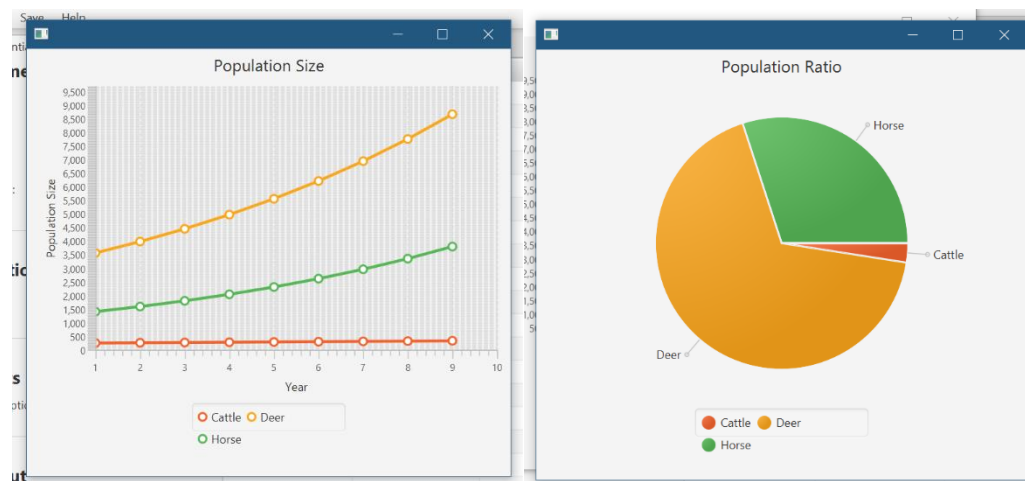

After pressing the show predictions button, the table on the right will be filled with the calculated data.

If the user chose for a graph one or both of these graphs will pop up.

The same approach applies to the other models, each model does have different parameters.

Here are all the parameters and what they stand for.

$r - Value$ = intrinsic rate of increase

$n - Value$ = population size

$k - Value$ = carrying capacity *in the logistic model

$f1$ = fertility

$p1$ = probability
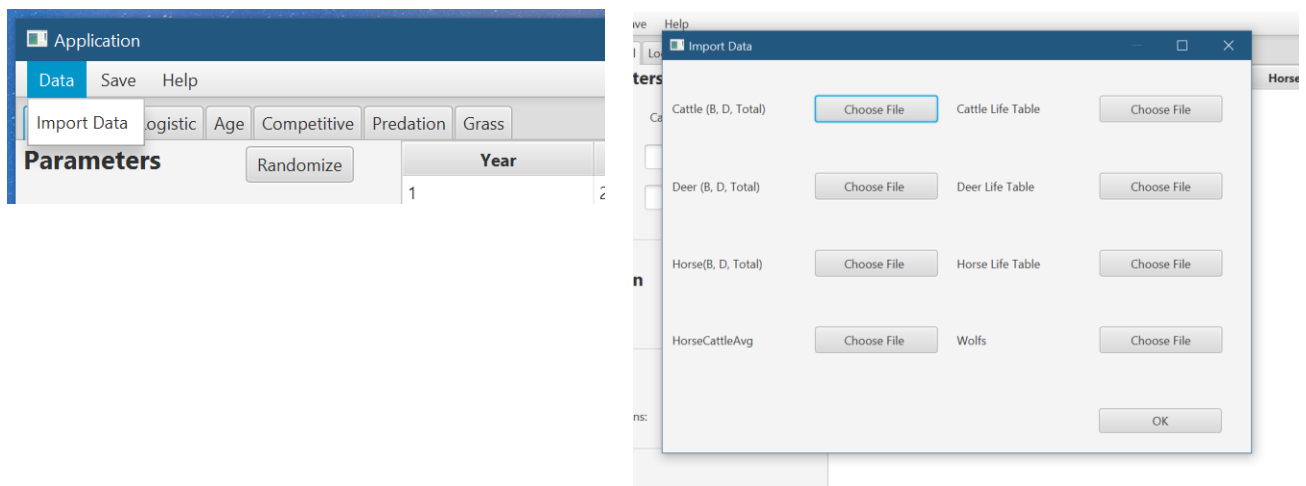
$alpha$ = competition coefficient*in the competition model

$k - Value$ = maximum feeding rate *in the predation model

$h - Value$ = handling time

$d - Value$ = half-saturation constant

$alpha$ = capture efficiency *in the predation model

The user can also import data through the Data button on the top left corner.

The user can also save the calculations through the Save button and get help or contact the developers through the About button

If after reading the user manual, you still have questions please contact the developers:

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