

## **S4 Explanation of data tables**

### **S5 Additivity of random populations across all models**

This table includes all of the data necessary to plot figures 2 in the main document and the figures in the supplementary materials. The data is artificial and created using the methods and equations described in the paper, so they can be easily derived again.

The table S5 includes the following variables from column 1-end: Model used (1=logistic, 2=Beverton-Holt, 3=Ricker), combination of threats (1=additive, 2=multiplicative), growth rate ( $r$ ), carrying capacity ( $K$ ), harvest rate ( $h$ ), impact of threat 1 on growth rate ( $a_1$ ), impact of threat 2 on growth rate ( $a_2$ ), impact of threat 1 on carrying capacity ( $b_1$ ), impact of threat 2 on carrying capacity ( $b_2$ ) and the resulting additivity ( $A$ ).

### **S6 Management benefit**

This table includes all of the data necessary to plot figures 4 and calculate table 2 in the main document and the figures in the supplementary materials. The data is artificial and created using the methods and equations described in the paper, so they can be easily derived again.

**Both tables can be found here**

[https://figshare.com/articles/Data for paper Superadditive and subadditive dynamics are not inherent to the types of interacting threat /9253379](https://figshare.com/articles/Data_for_paper_Superadditive_and_subadditive_dynamics_are_not_inherent_to_the_types_of_interacting_threat_/9253379)