Implication of overestimation of connectance predicted by the ADBM on the stability of food web

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0.1 Key points:

- Overestimation of connectance in food web model (Gravel et al. 2013)
- Undersampling in food web
- Implications of above on food web stability
- Effect of intervality on the stability of food web

0.2 Preliminary work

0.2.1 Implication of overestimation of connectance in the ADBM

0.2.1.1 Benguela Pelagic food web

- Removal of most connected node
- Removal of random nodes

References

Gravel, Dominique, Timoth'ee Poisot, Camille Albouy, Laure Velez, and David Mouillot. 2013. "Inferring Food Web Structure from Predator-Prey Body Size Relationships." Edited by Robert Freckleton. *Methods in Ecology and Evolution* 4 (11): 1083–90. https://doi.org/10.1111/2041-210X.12103.

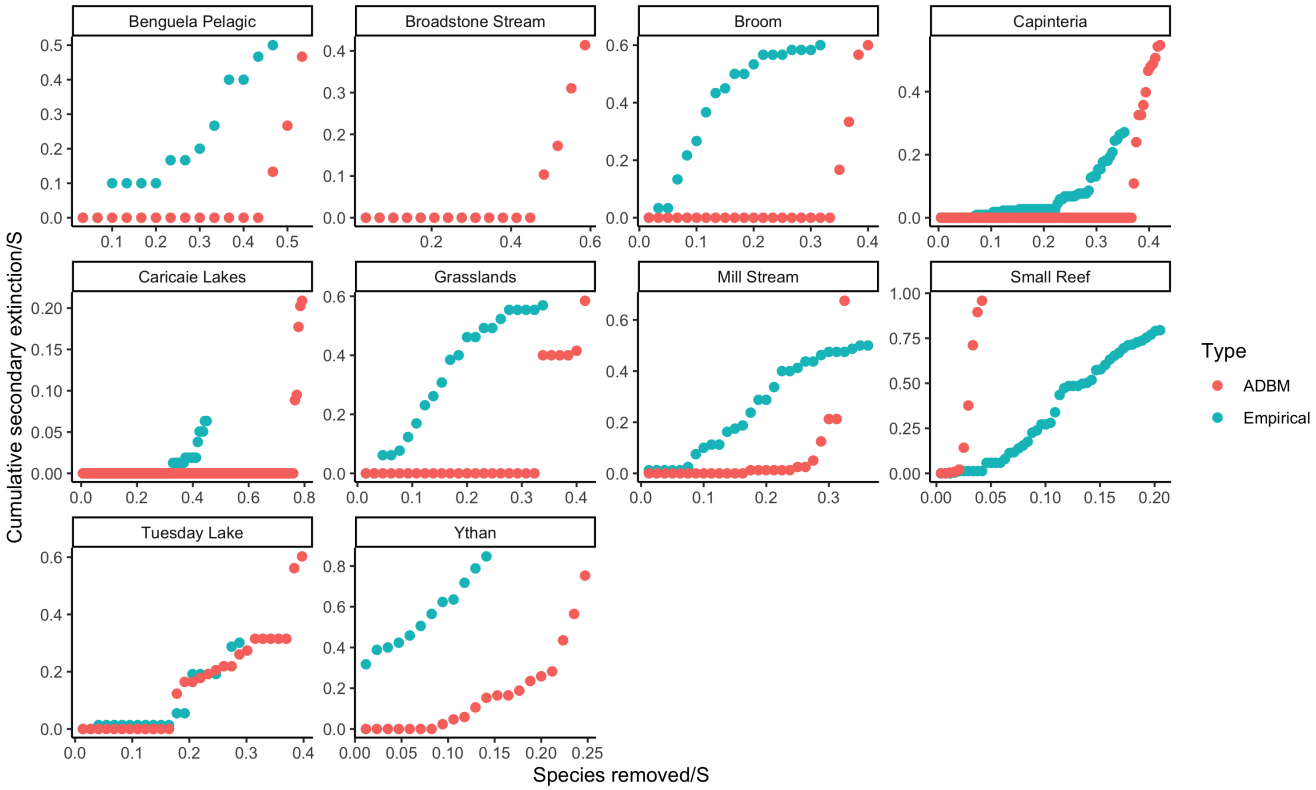

Figure 1: Most connected

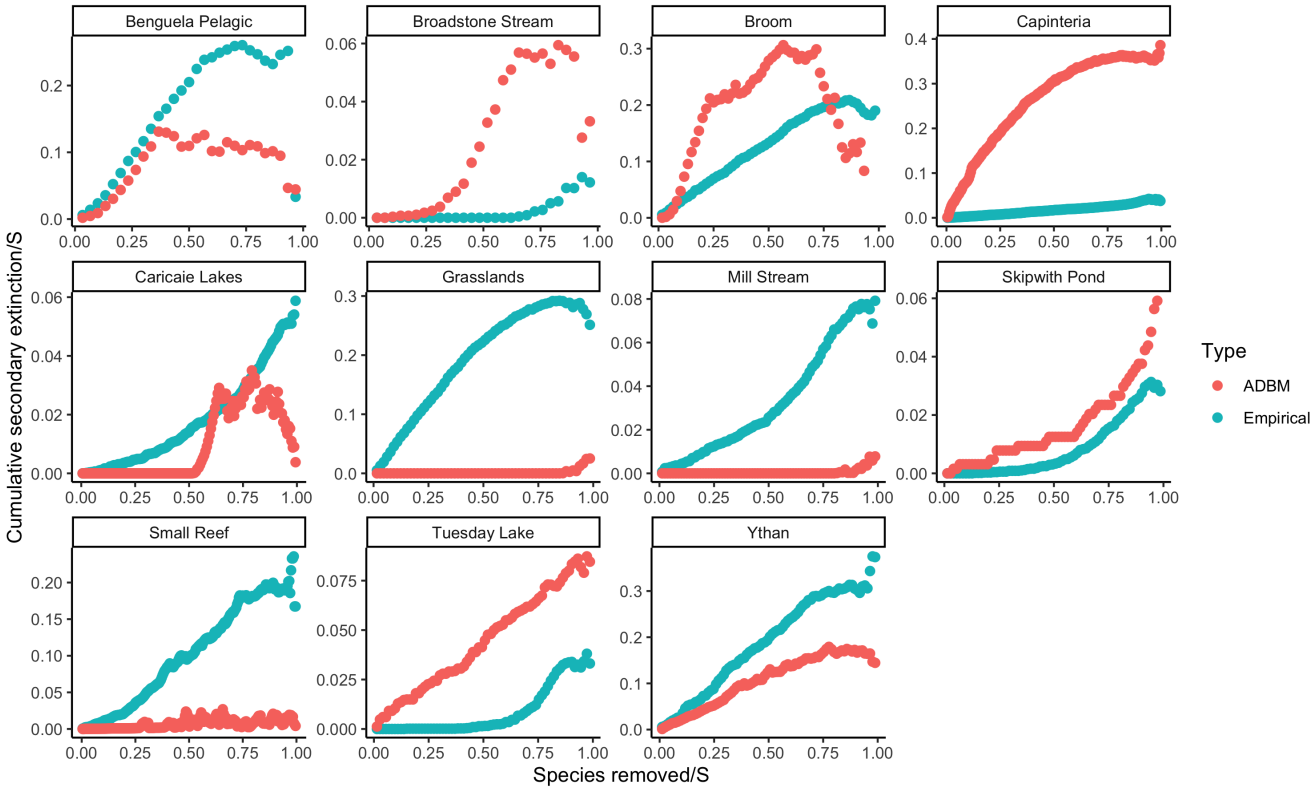

Figure 2: Random extinctions