

# ESA Workshop

8 August, 2016

Three analyses for metacommunity time series datasets:

- 1) Diversity Partitioning [Jost, 2007] “vegetarian”)
- 2) Variation Partitioning [Borcard et al., 1992, Legendre et al., 2005]
- 3) Elements of Metacommunity Structure [Leibold and Mikkelsen, 2002, Presley et al., 2010]

## References

- Daniel Borcard, Pierre Legendre, and Pierre Drapeau. Partialling out the spatial component of ecological variation. *Ecology*, 73(3):1045–1055, 1992. ISSN 00129658. doi: 10.2307/1940179. URL <http://www.jstor.org/stable/1940179>.
- Lou Jost. Partitioning diversity into independent alpha and beta components. *Ecology*, 88(10):2427–2439, 2007. ISSN 0012-9658. doi: 10.1890/06-1736.1. URL <http://doi.wiley.com/10.1890/06-1736.1>.
- Pierre Legendre, Daniel Borcard, and Pedro R. Peres-Neto. Analyzing beta diversity: partitioning the spatial variation of community composition data. *Ecological Monographs*, 75(4):435–450, 2005.
- Mathew A. Leibold and Gregory M Mikkelsen. Coherence, species turnover, and boundary clumping: elements of meta-community structure. *Oikos*, 97:237–250, 2002. ISSN 1600-0706. doi: 10.1034/j.1600-0706.2002.970210.x.
- Steven J. Presley, Christopher L. Higgins, and Michael R. Willig. A comprehensive framework for the evaluation of metacommunity structure. *Oikos*, 119(6):908–917, 2010. ISSN 00301299. doi: 10.1111/j.1600-0706.2010.18544.x.