

Hesselbarth, M. H. K., Sciaini, M., With, K. A., Wiegand, K. and Nowosad, J. 2019. *landscapemetrics*: an open-source R tool to calculate landscape metrics. – Ecography doi: 10.1111/ecog.04617

Appendix 1

Table A1. All landscape metrics used for the simulation study analysing the influence of different sampling schemes on the ability of sampled data to estimate the statistical properties of a larger landscape. The groups are based on the *FRAGSTATS* classification (McGarigal et al. 2012) with the exception of the “Complexity metrics”, which are based on Nowosad and Stepinski (2018a). For detailed information on all metrics see <<https://r-spatialecology.github.io/landscapemetrics/>>.

Group	Metric	n
Aggregation metrics	ai	13
	cohesion	
	contag	
	division	
	enn_cv	
	enn_mn	
	enn_sd	
	iji	
	lsi	
	mesh	
	pd	
	pladj	
	split	
Area and edge metrics	area_cv	8
	area_mn	
	area_sd	
	ed	
	gyrate_cv	
	gyrate_mn	
	gyrate_sd	
	lpi	

Core area metrics	cai_cv	10
	cai_mn	
	cai_sd	
	core_cv	
	core_mn	
	core_sd	
	dcad	
	dcore_cv	
	dcore_mn	
	dcore_sd	
Diversity metrics	msidi	8
	msiei	
	prd	
	rpr	
	shdi	
	shei	
	sidi	
	siei	
Complexity metrics	condent	4
	ent	
	jointent	
	mutinf	
Shape metrics	circle_cv	15
	circle_mn	
	circle_sd	
	contig_cv	
	contig_mn	
	contig_sd	
	frac_cv	
	frac_mn	
	frac_sd	
	para_cv	
	para_mn	
	para_sd	
	shape_cv	
	shape_mn	
shape_sd		

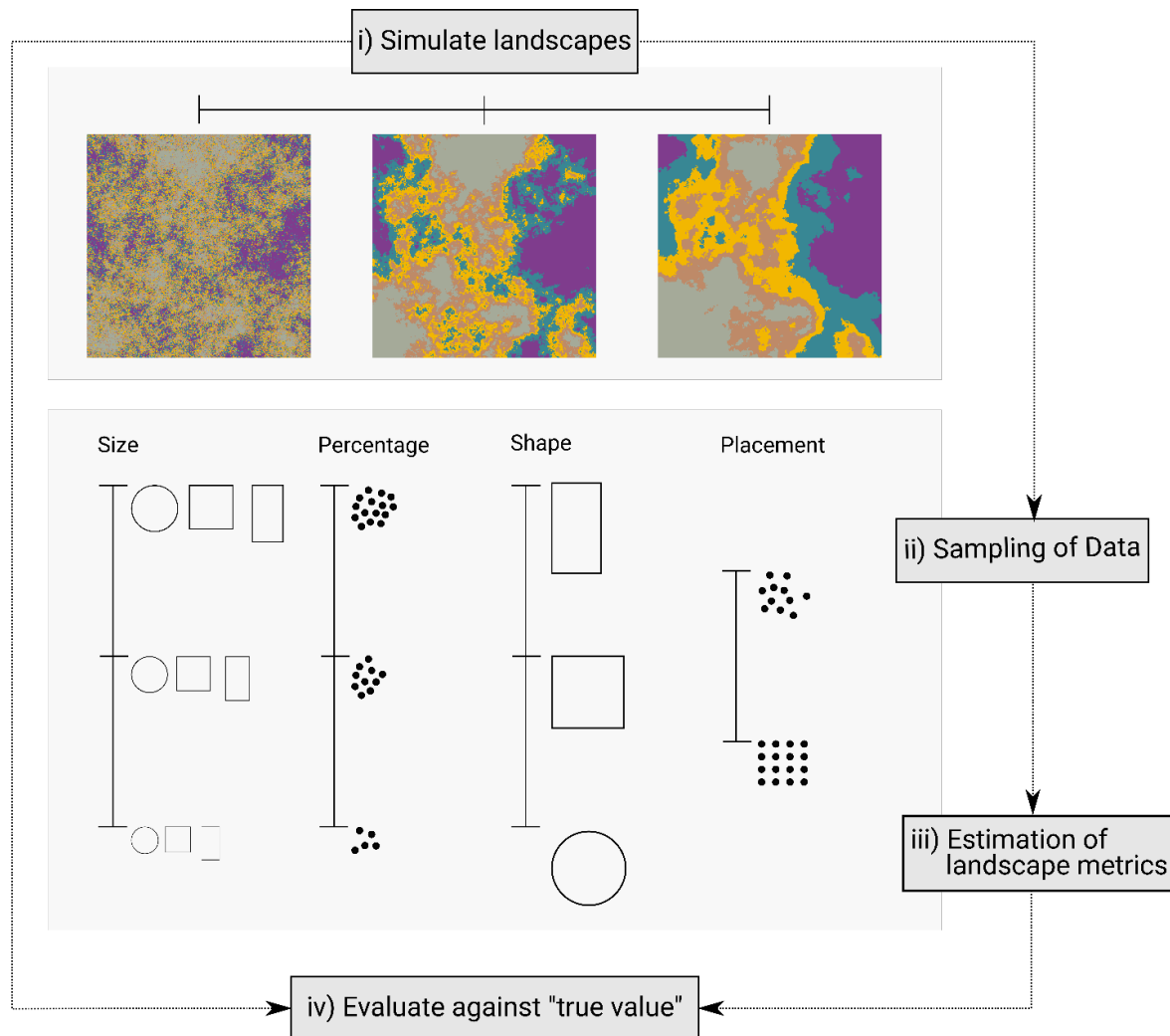


Figure A1. Schematic visualization of the “virtual ecologist” approach (Zurell et al. 2010) to analyse the influence of different sampling schemes on the estimation ability.