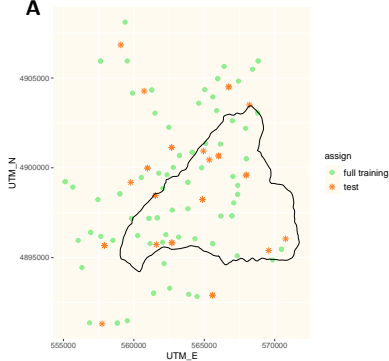


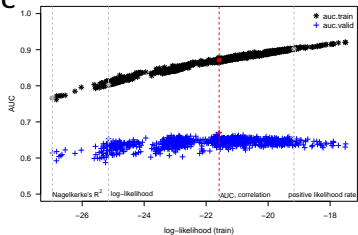
A

B₂

Regularization				DNN-specific	
Environmental	Spatial		Biotic covariance	Hidden layers	Dropout rate
α_E, λ_E	α_S, λ_S		α_b, λ_b		Learning rate
0 to 1, step 0.2	0 to 1, step 0.25	0 to 1, step 0.1		50, 50, 10 25, 25, 10	0.1, 0.2
0.001, 0.002					

* α_b, λ_b were set randomly for each run

C



Data split	Full Training (75%)			Test (25%)
Tuning	B ₁	training	validation	
		training	validation	training
		training	validation	training
		training	validation	training
		validation	training	
Final fit	full training			test