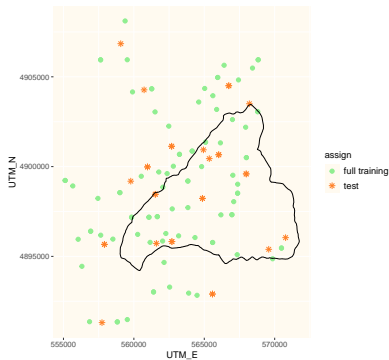


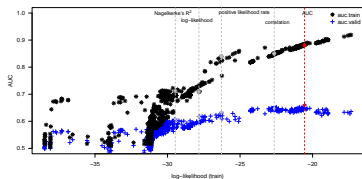
A

B₂

Regularization	Spatial	Biotic covariance	DNN-specific		
Environmental α_E, λ_E	α_S, λ_S	α_b, λ_b^*	Hidden layers	Dropout rate	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