

Community Ecology with GLLVMs (Day One)





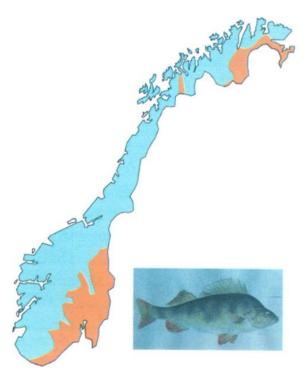














Variable choice

Species associations





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Disentangling biotic interactions, environmental filters, and dispersal limitation as drivers of species co-occurrence

Manuela D'Amen ⋈, Heidi K. Mod, Nicholas J. Gotelli, Antoine Guisan

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Collinear covariates

Often environmental covariates will be highly collinear

Are you looking at direct effects of the environment?

Or are you trying to explain as much variation as possible....







Using Collinear Covariates

We don't want linear variables that clearly correspond to measurable covariates



Breakout Suggestions

Question 1: Related to what we've talked about

Question 2: What we're going to talk about in the second half of this session





What is a Species Association?

Can it ever be more than a shared response to an environmental covariate?

Competition - product of species interacting or lack of resource?



What is a Species Association?

Overpredation

Outcompeting

Niche segregation

