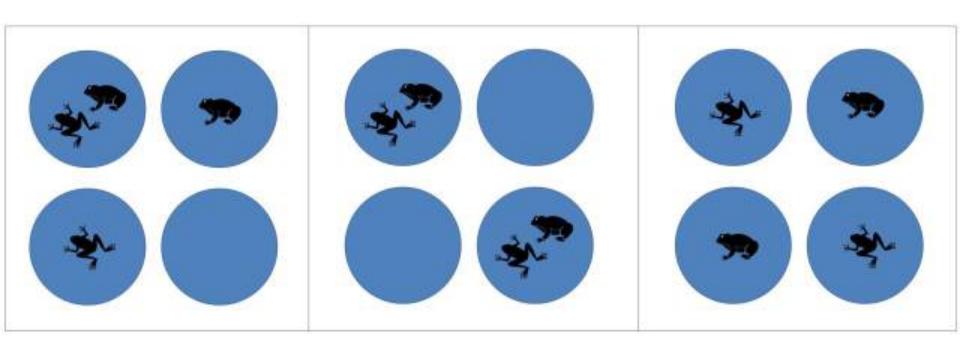
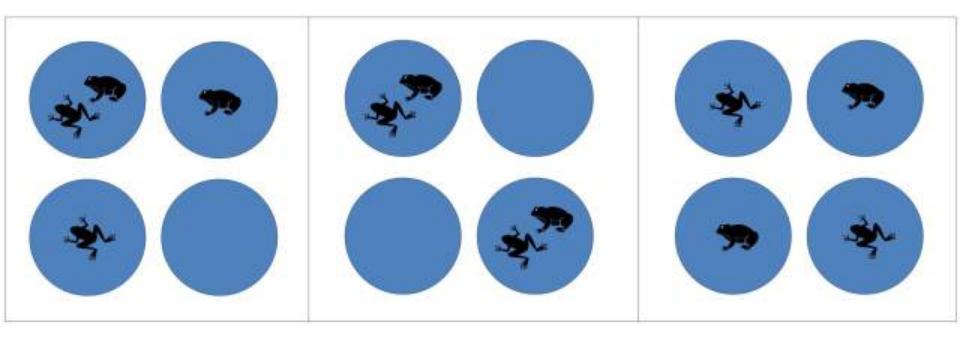
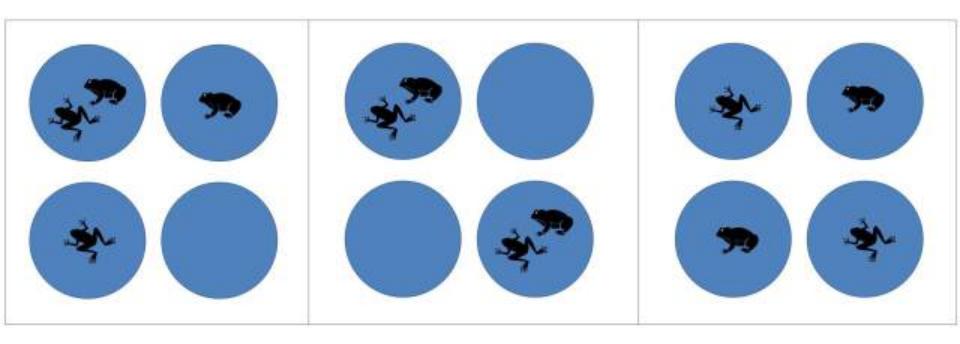


Species distributions and species interactions





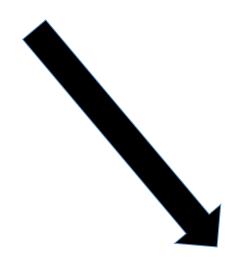
Joint species distribution model

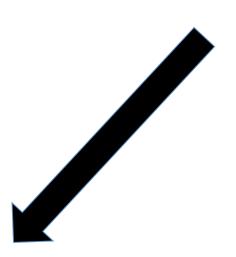


+

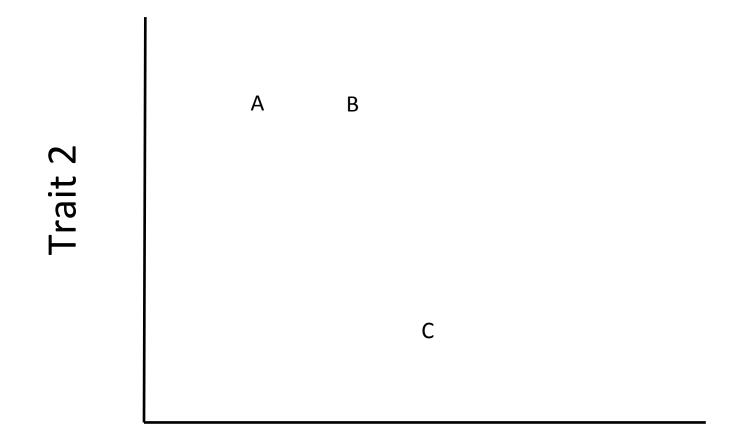
Species occurrence

Environmental data

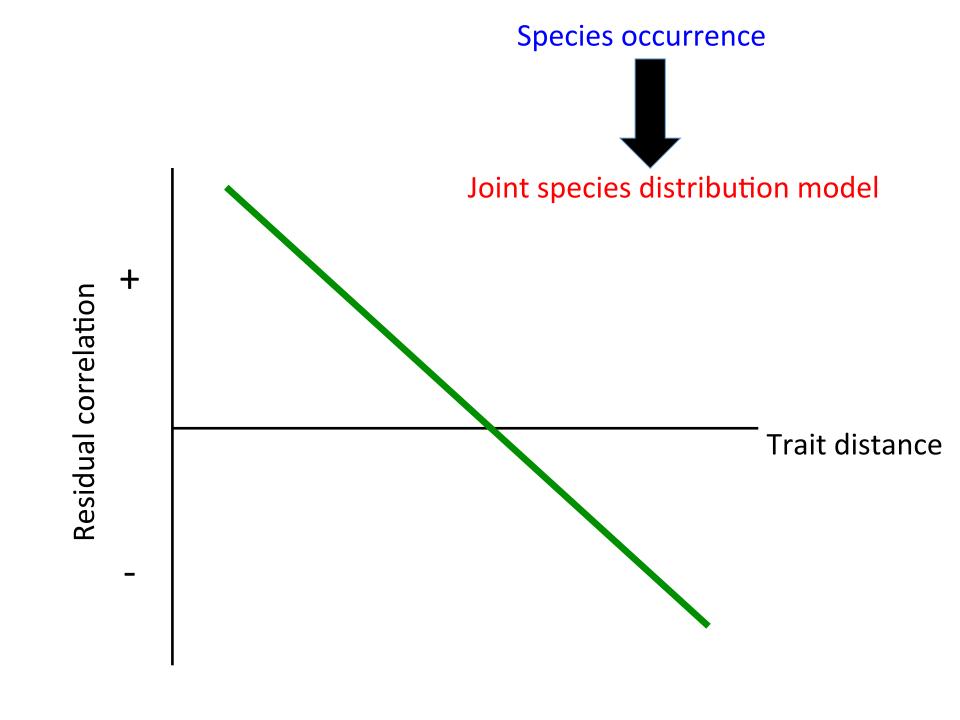


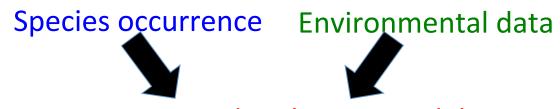


Joint species distribution model

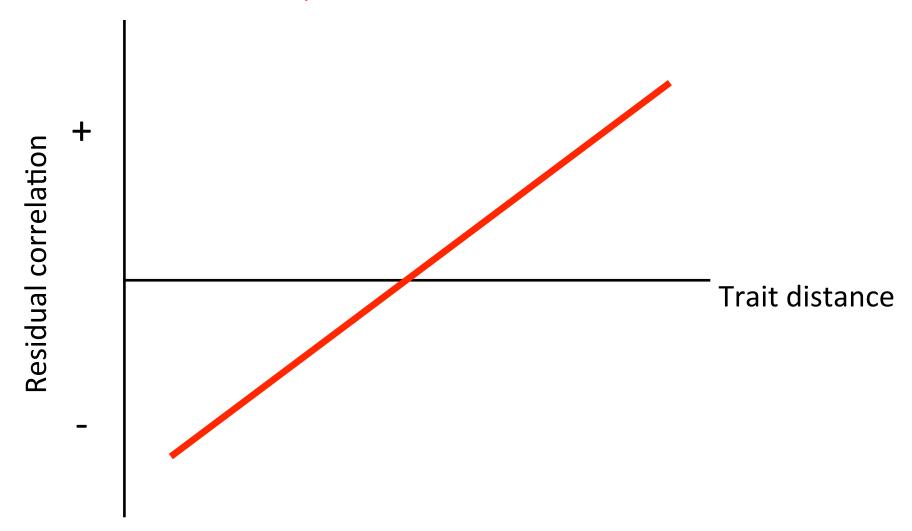


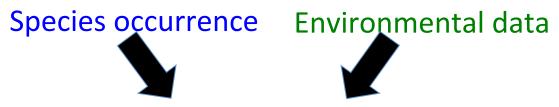
Trait 1



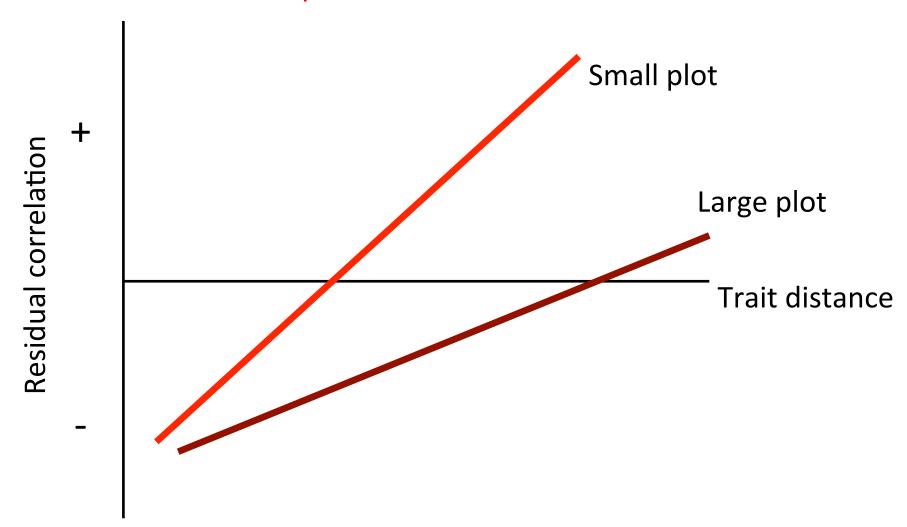








Joint species distribution model



DATA

Data Tables

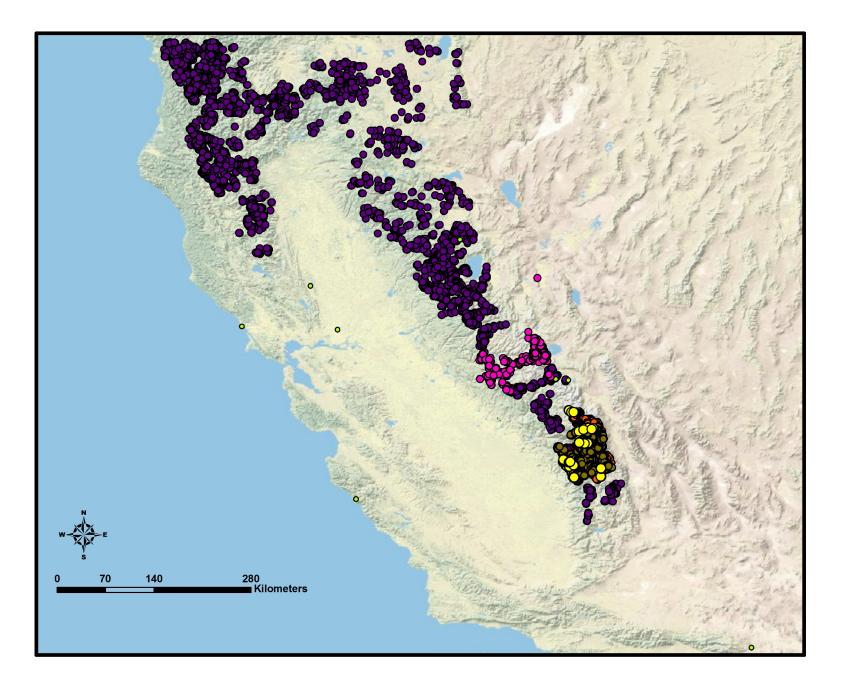
- Plot Data
 - Temp
 - Soil
 - Precip
 - Disturbance

- Species Obs
 - Plot
 - Pres/Abs

- Species Traits
 - SLA, LA, RGR...
 - Height
 - Life orm

- Species Info
 - Taxon
 - Authority

Detect	SARE	Old plot survey count #	Survey	Data notos	S m. ro. r
Dataset	A code	plots	Notes McGrann's	Data notes	Survey
PCT plots - McGrann	РСТМ	5,380	transect of the entire Pacific Crest Trail		2008
SEKI RAP	SNPRA	123	Sequoia Kings Canyon Rapid plots		
Sierra Foothills RAP	SFHRA	648			
Potter Data	POTT	847	John Potter's revisits of 847 USFS Sierra Nevada Ecopolots	many unreferenced plots (no lat/lon); 724 spp codes; 699 matched	2005
SEKI NRI	SNPNR	627		Sequoia Kings Canyon Natural Resource Inventory plots	
SEKI NRI??	SNPNRI				
SEKI VMPlots	SNPVM	423		Sequoia Kings Canyon Veg Mapping	
Sierra Foothills Relevees	SFHREL	295		From Todd Keillor- Wolf at CA DFG	
USFS No Cal Ecoplots ("USFSN")	USFSN	5,643			
Yosemite - Cameron	YOSE	607	Susan Cameron's revisits of official Yosemite NP-surveyed plots	595 plots with good XY coords	2007
Yosemite - NRI		362		Yosemite Natural Resource Inventory survey	2006



Trait Databases and Sources

- TRY Plant Trait Database
 - Max Planck Institute for Biogeochemistry
- The Botanical Information and Ecology Network (BIEN):
 - NCEAS and the iPlant Collaborative.
- Wright et al. Nature 2004
 - "The worldwide leaf economics spectrum"
- Seed Information Database SID
 - Kew (Seed size and germination, etc.)