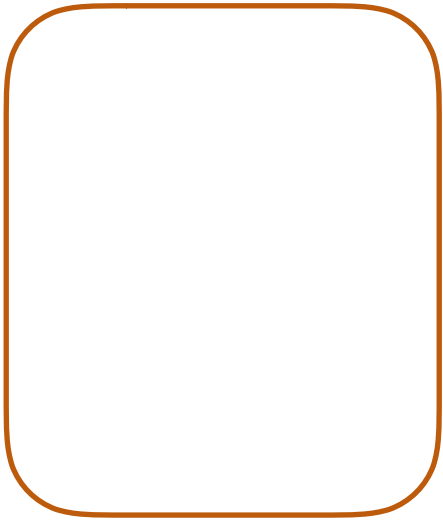


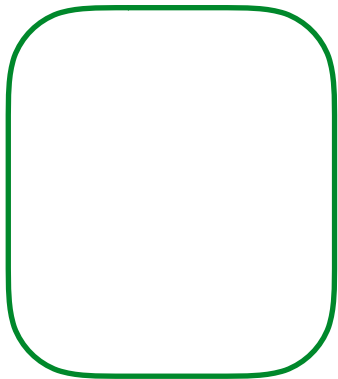


Constituent Districts

$$G \equiv f(E)$$

# Genetic Structure





Euclidean,  
Ecology,  
Environment

# Constituents as Distances

Genetic  
Structure

$$\boxed{G} = f(\boxed{E})$$

Euclidean,  
Ecology,  
Environment

# Constituent Components

## Genetic Data

- Allelic richness (quantitative)
- Allelic presence (binary)
- Probability (admixture/assignment)
- Pair-wise distance

## External Data

- Patch attributes
- Biotic/Abiotic conditions
- Neighborhood features
- Pair-wise distance (LCP, CS)
- Barriers