Exchangeability

☐ When we analyze a model of the form

$$y_{ij} = \mu + \tau_i + e_{ij}$$

☐ We typically assume a constraint

$$e_{ij} \sim \mathcal{N}\left(0,\sigma^2\right)$$

- This assumption is typically valid if each y_{ij} represent exchangeable units.
 - In a small-plot experiment, we design plots to be exchangeable.

Exchangeability





- \square Soil map units
- ☐ Topography
- ☐ Wetlands