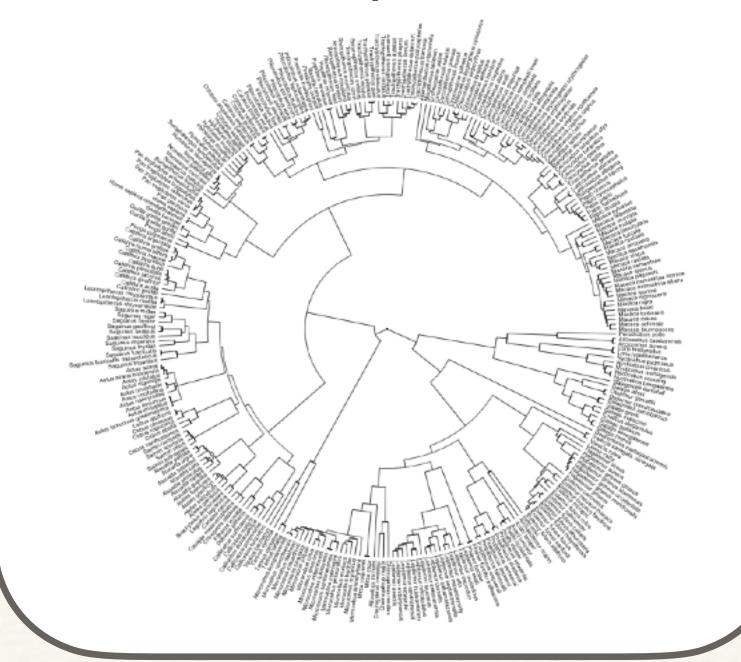
MORE COMPLEX STRUCTURING OF THE DEPENDENCY ACROSS COEFFICIENTS

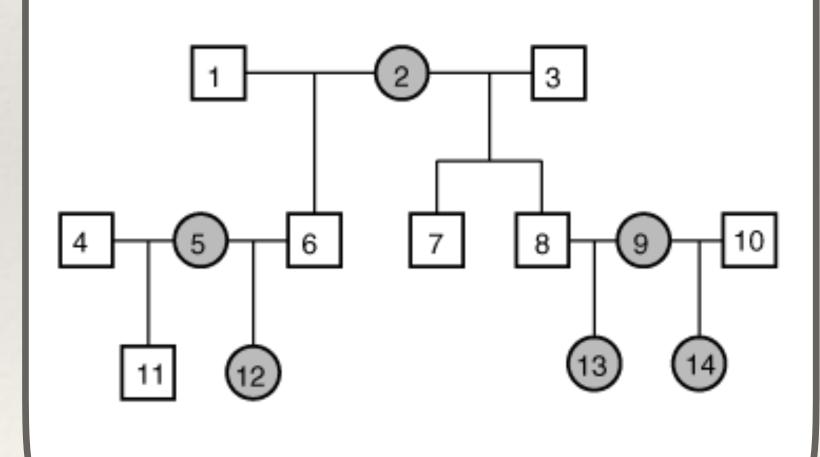
Phylogenetic models

Evolutionary relatedness



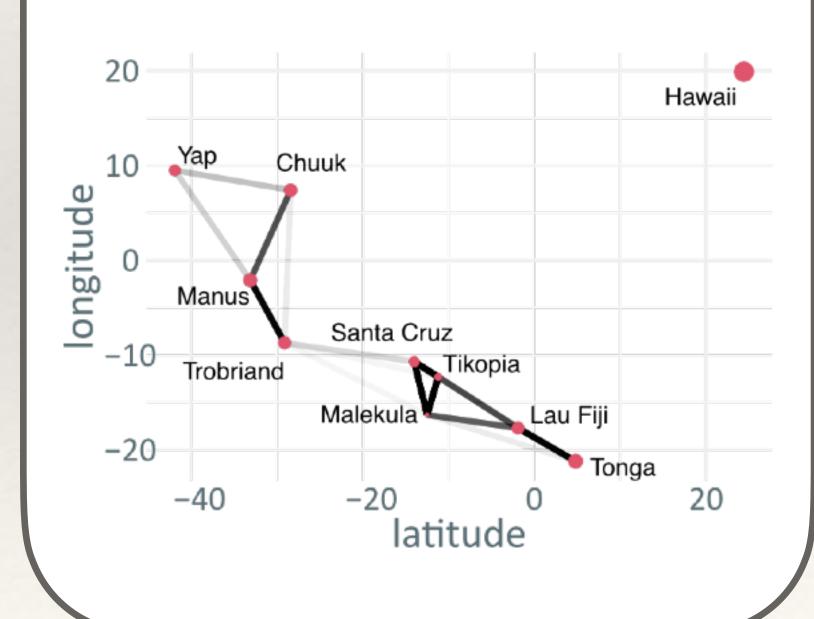
Animal models

Genetic relatedness

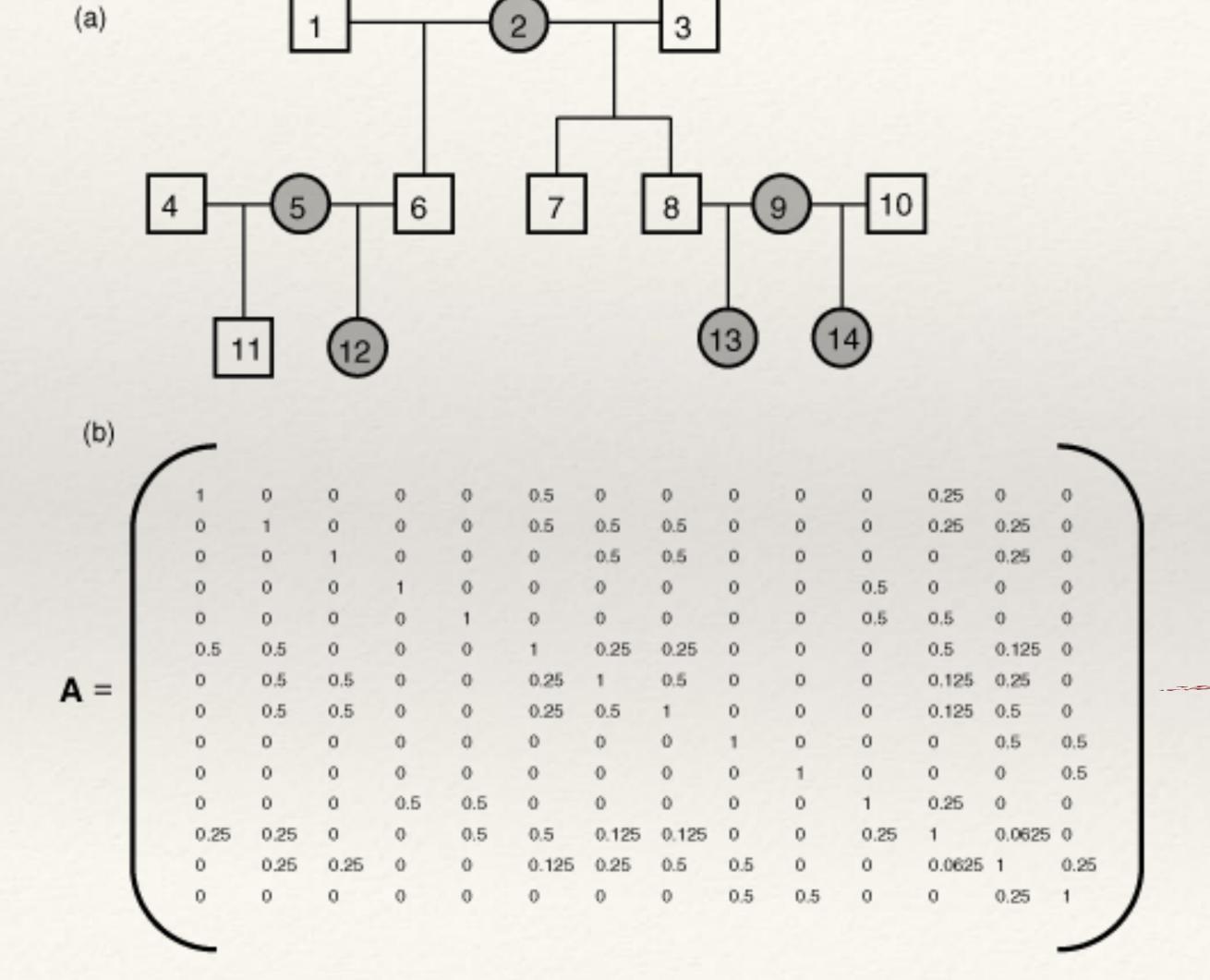


Spacial auto-correlation

Spacial proximity



EXAMPLE: ANIMAL MODEL



$$y_{i} \sim Normal(\mu_{i}, \sigma_{R})$$

$$\mu_{i} = \alpha_{0} + \alpha_{i}$$

$$\alpha \sim MVNormal(0, \sigma_{G} \times A)$$

$$\sigma_{G}, \sigma_{R} \sim Exponential(1)$$