



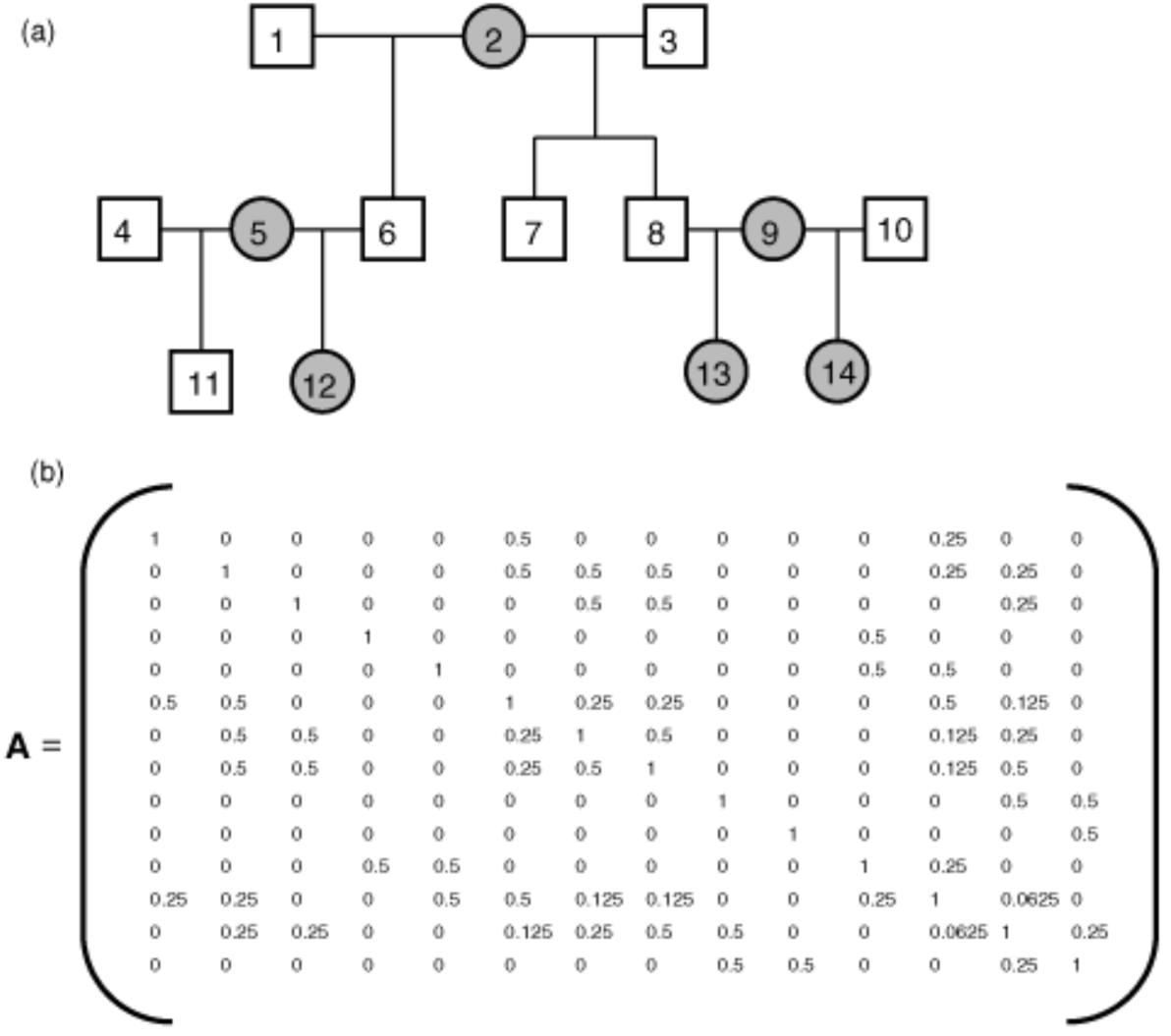
$$y_{i} \sim Normal(\mu_{i}, \sigma_{R})$$

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

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

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

MODF AIIIIIIAI

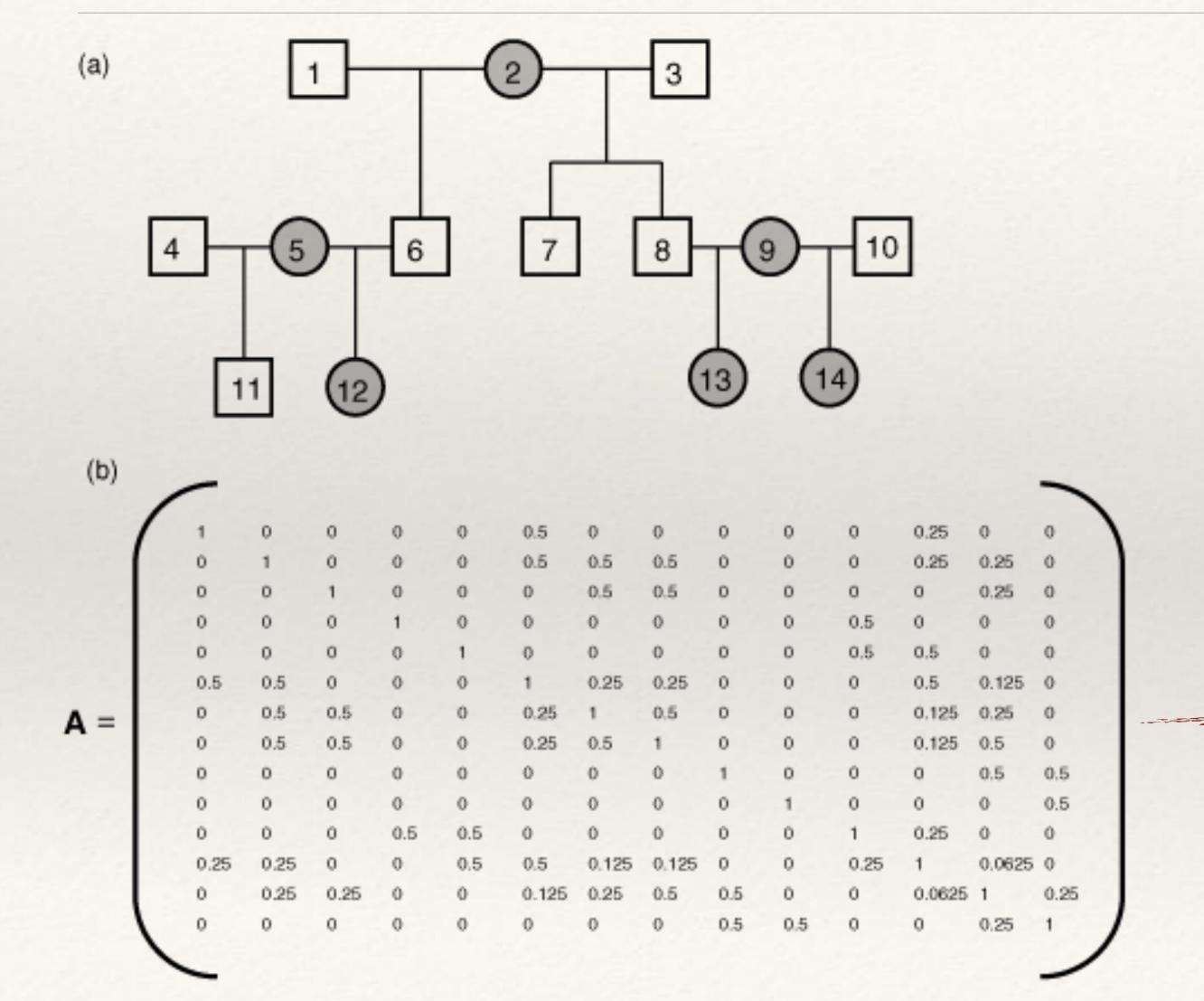


Wilson, A. J. et al. An ecologist's guide to the animal model. J. Anim. Ecol. 79, 13–26 (2010)

Same thing for the phylogeny or the spacial auto-correlation



EXAMPLE: ANIMAL MODEL



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

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

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

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

Same thing for the phylogeny or the spacial auto-correlation