

Positive autocorrelation

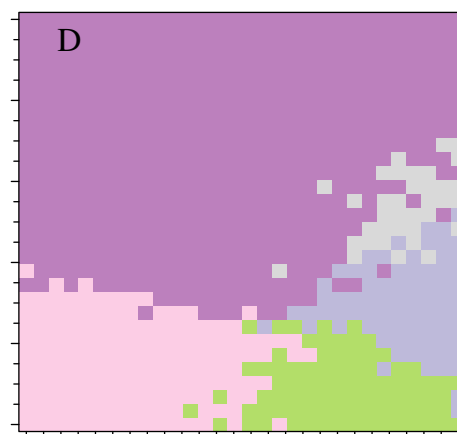
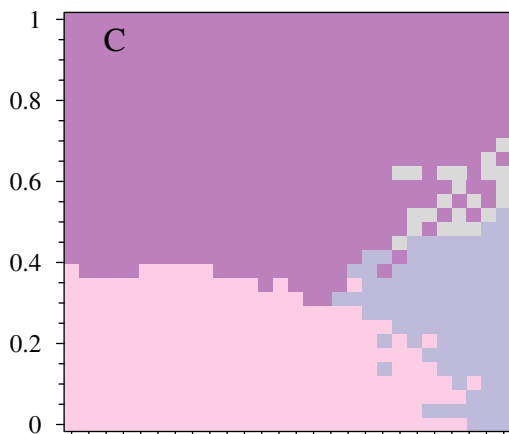
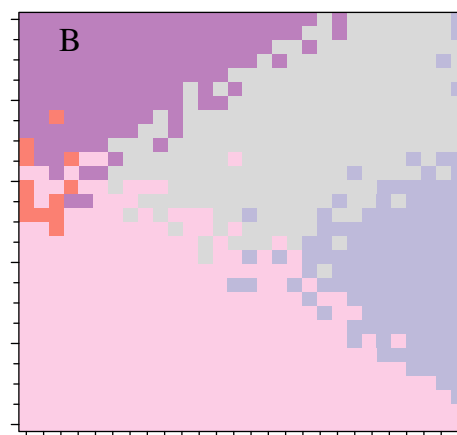
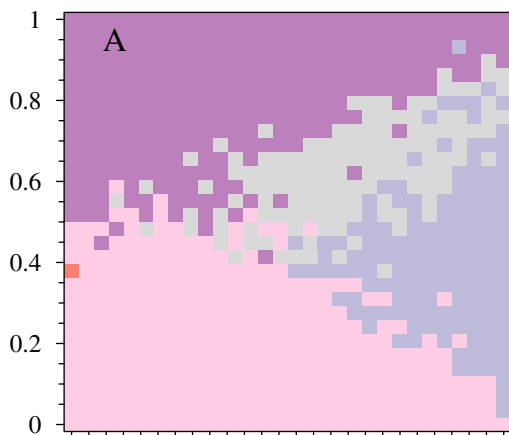
$$1 - p = 0.2$$

Negative autocorrelation

$$1 - p = 0.8$$

Noise in vertical versus horizontal

social learning,  $\sigma_v = 1 - \sigma_h$



- Horizontal, prestige
- Horizontal, conformity
- Vertical, prestige
- Vertical, conformity
- Individual learning
- Maternal phenotype
- Maternal environment

←  
Environmental change  
between juvenility and  
adulthood

←  
Environmental change  
at birth

Fidelity of individually learned cues versus maternal cues,  $q_{\text{ind}} = 1.5 - q_{\text{mat}}$