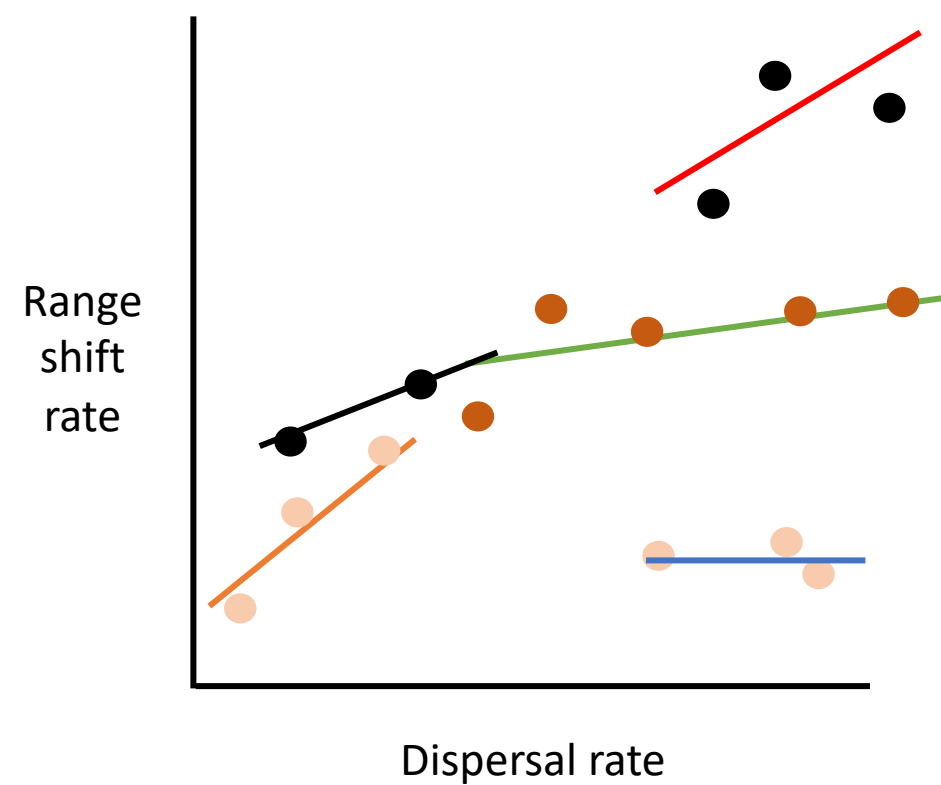
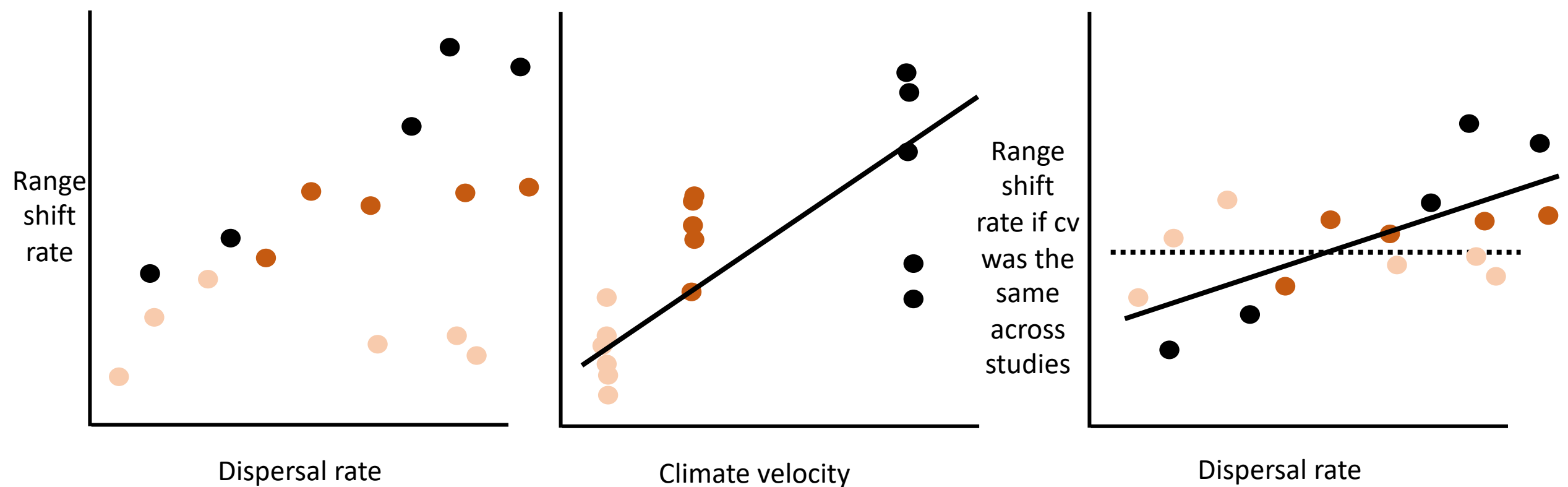


Interaction between dispersal\*clim velo is based on *our* thinking, not what studies do  
 We expect that relationship with dispersal rate depends on cv... but studies don't test for this since they only have 1 climate velocity

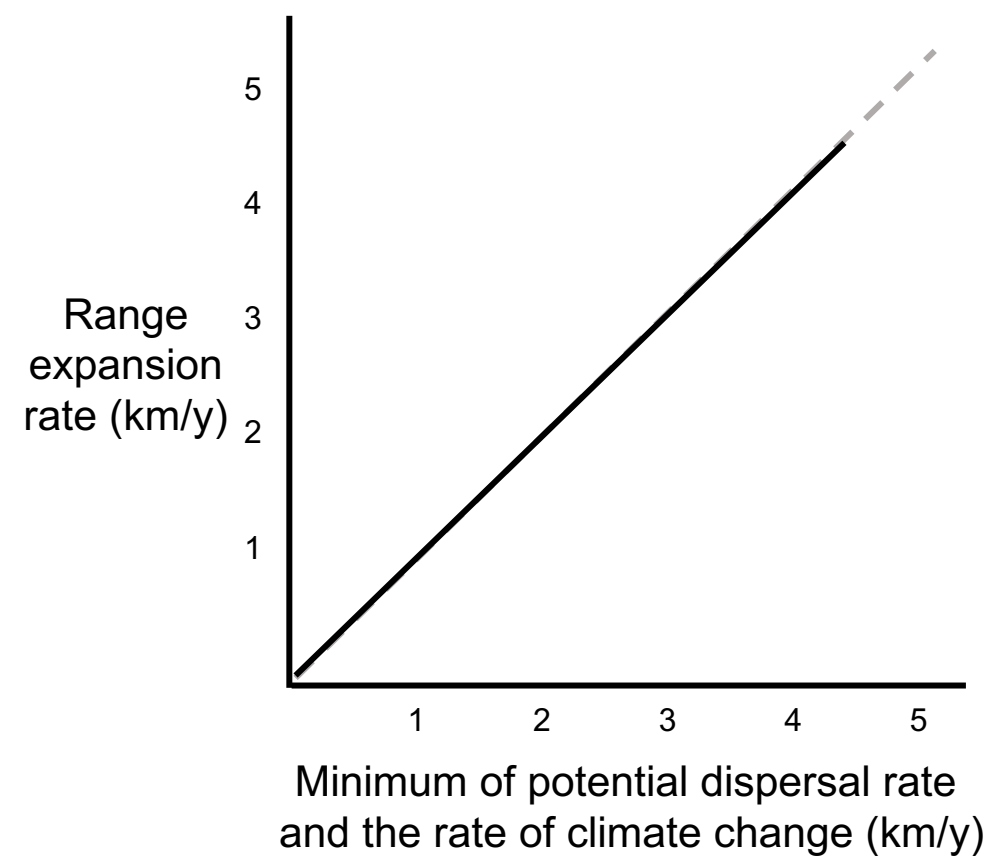
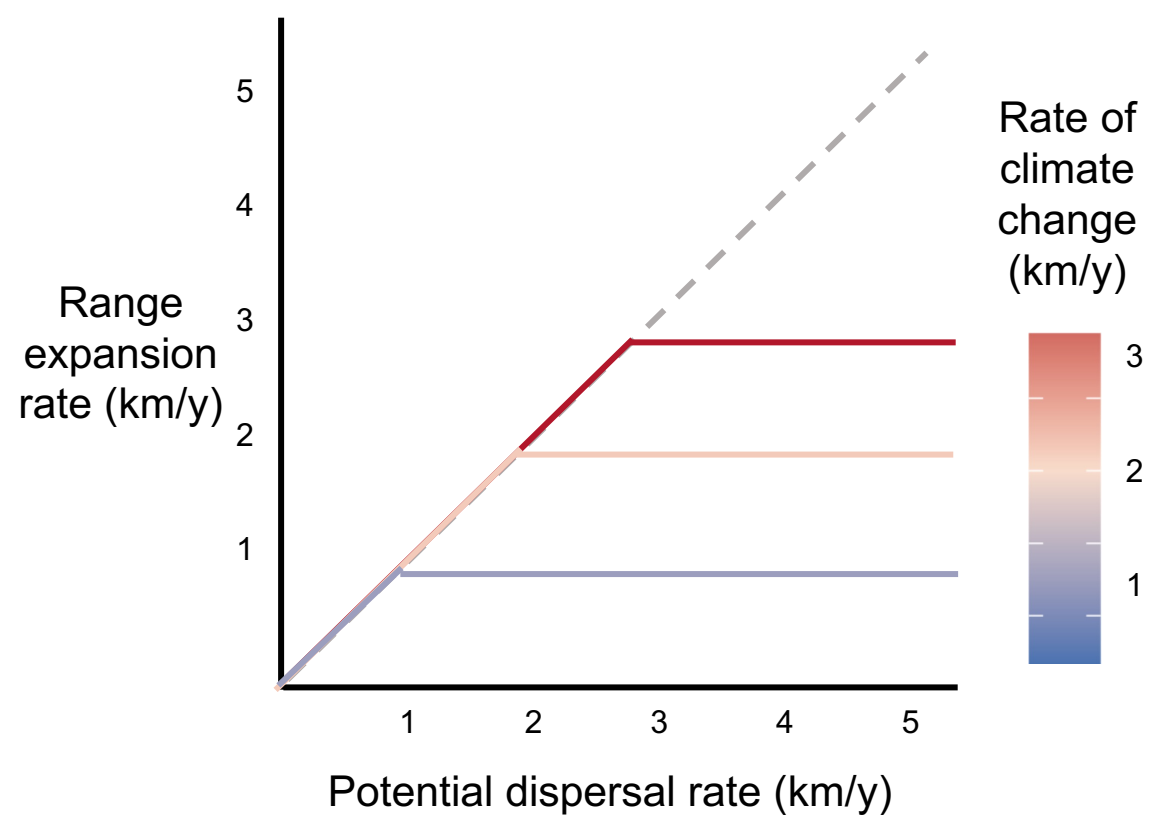


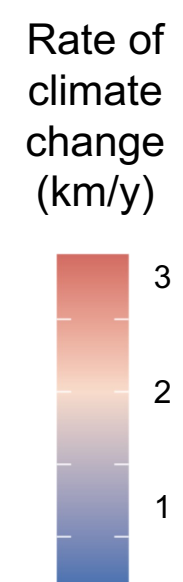
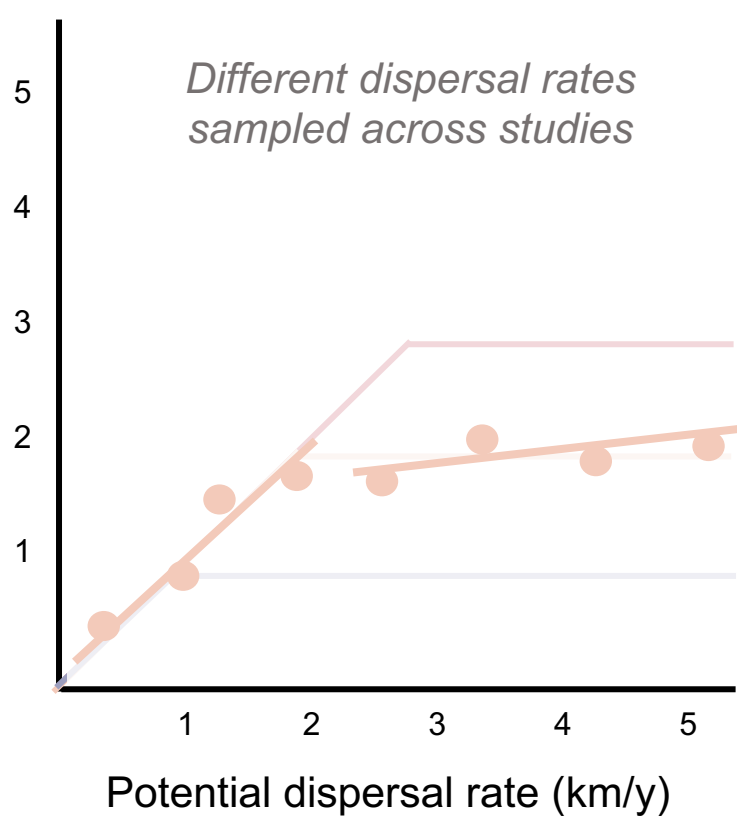
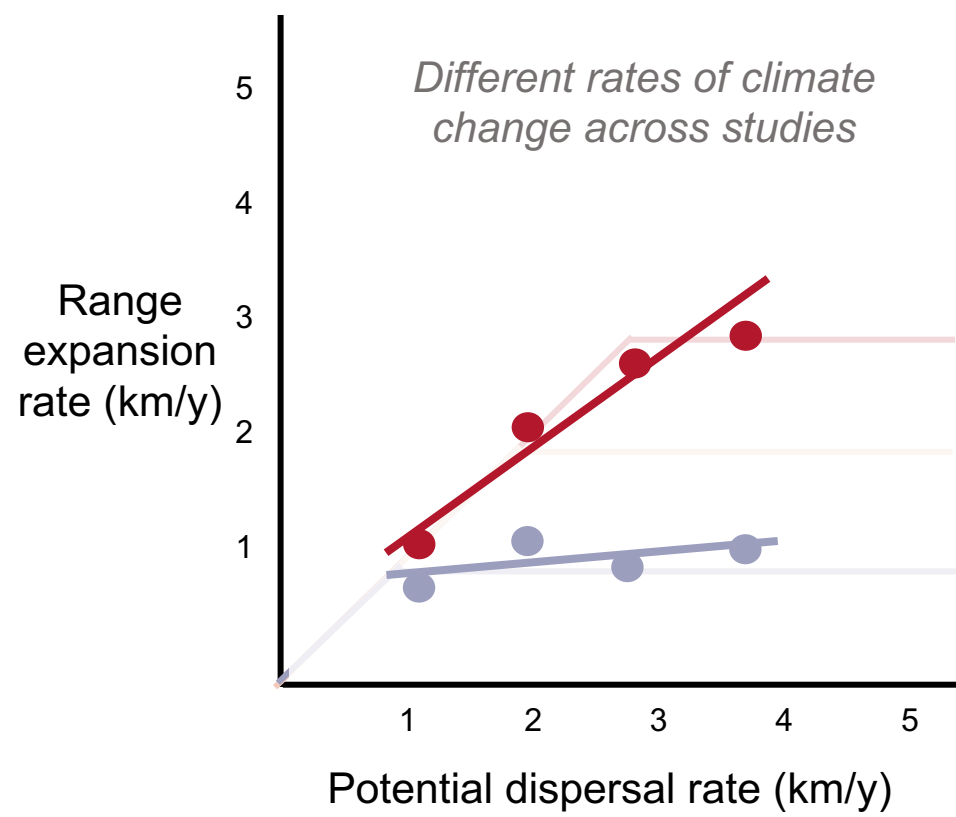
I think they do this – for the sample of dispersal rates within their study, test for correlation  
 Same climate velocity could give very different relationship depending on dispersal rate sampled  
 But, overall range shift rate expected to be higher when CV is higher



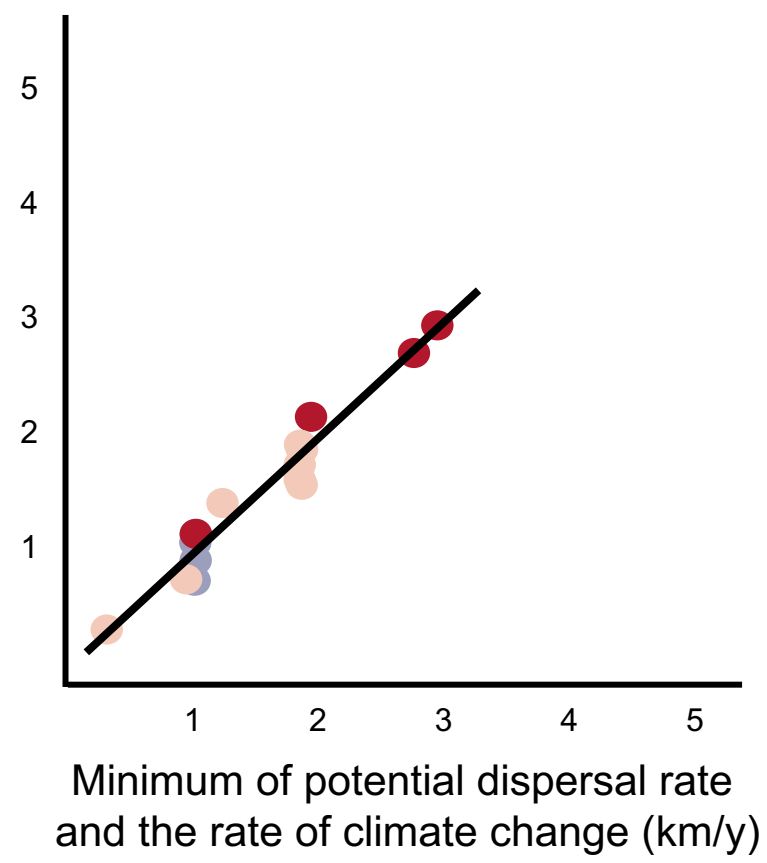
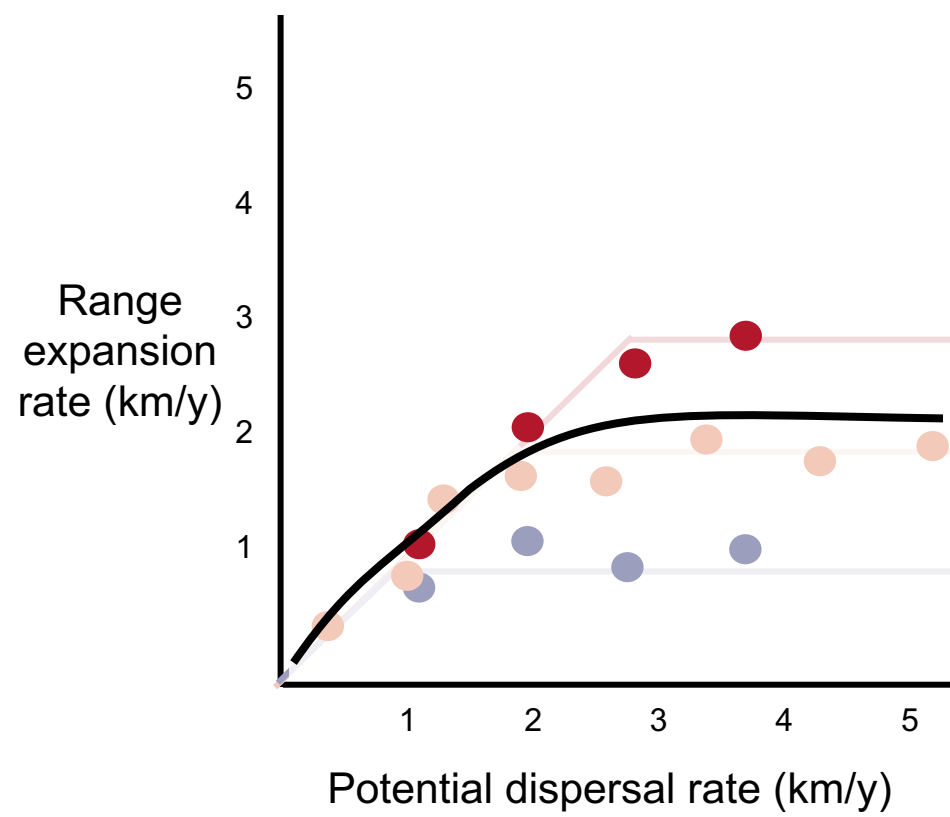
Remove the effect of climate velocity by adding as a fixed effect  
 $\text{shift} \sim \text{dispersal} + \text{climate velocity}$

(i.e., after accounting for diffs in climate velocity across studies, is there a positive correlation between dispersal and range shift rate?)

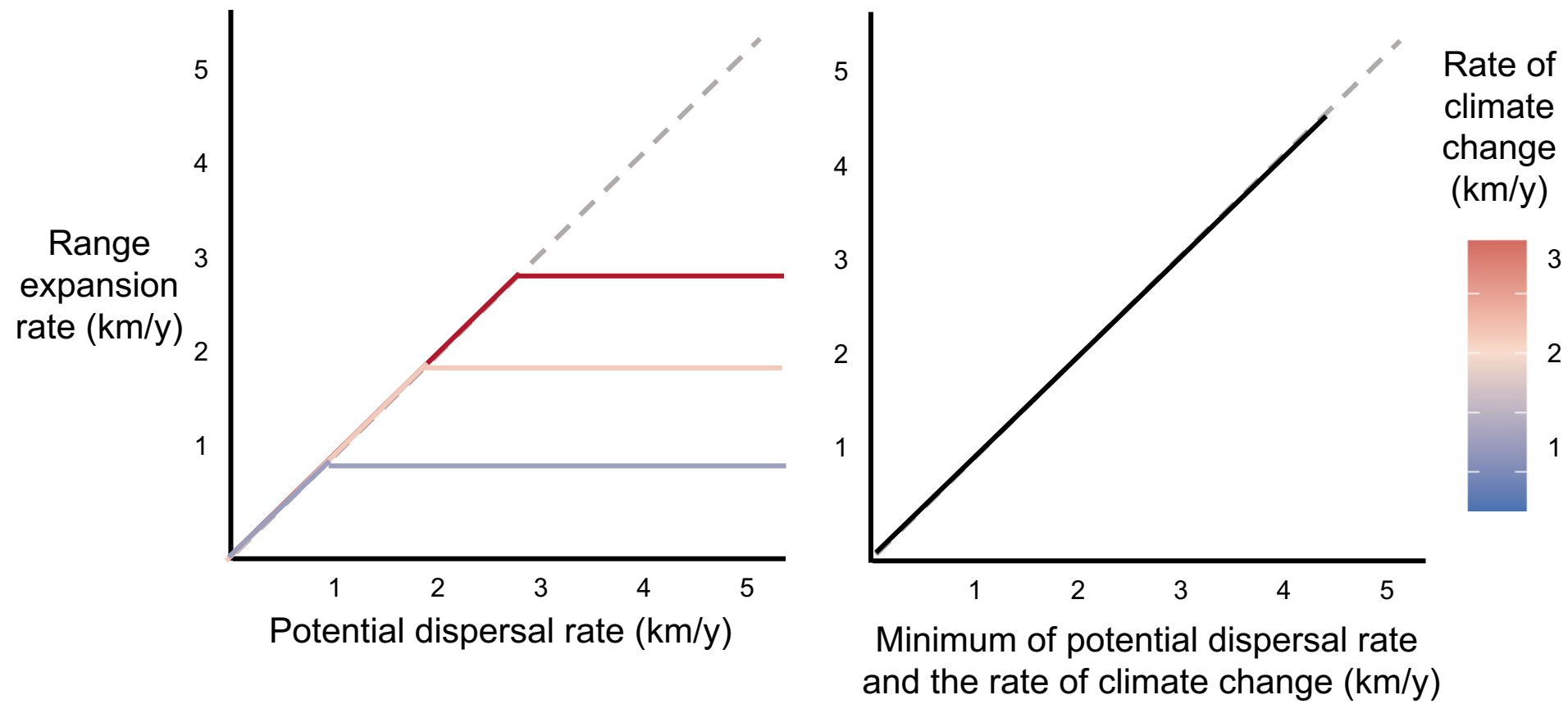




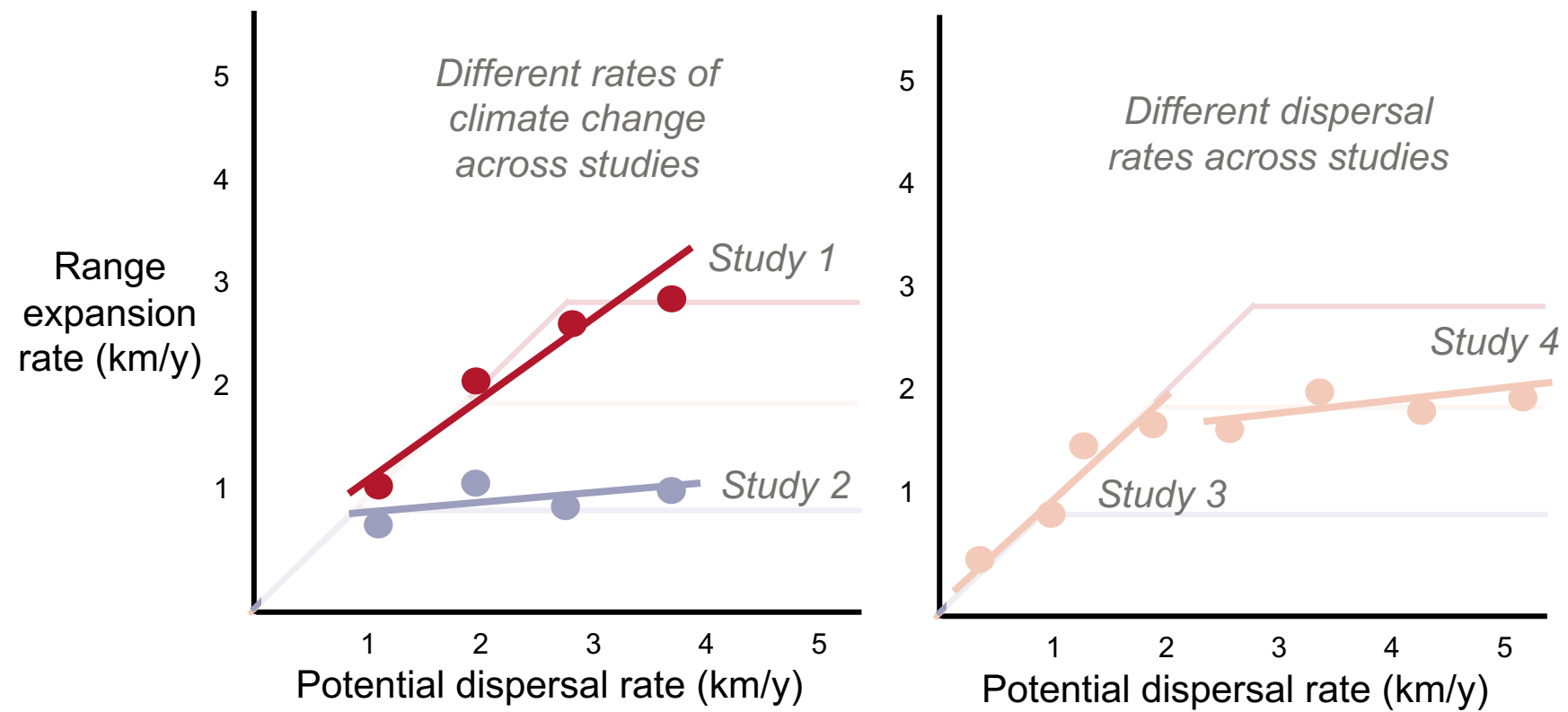
*Combining samples across studies*



a) Predicted relationships



b) Non-linear relationships might result in inconsistent conclusions



c) Pooling data across studies might reveal expected relationships

