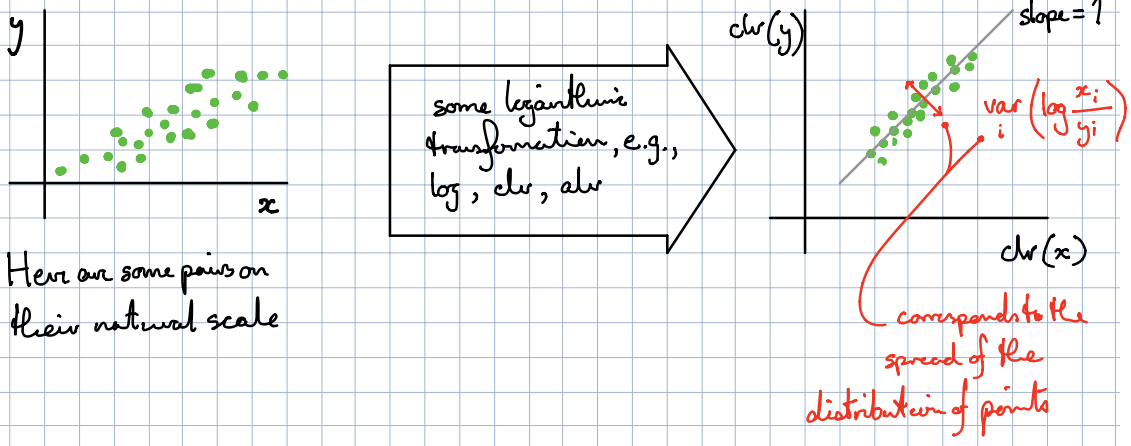
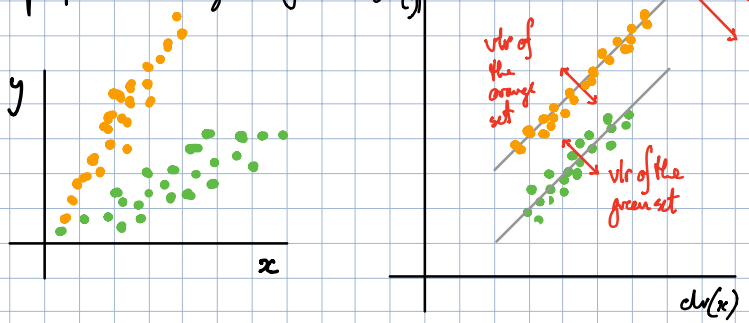
My Understanding of "differential proportionality"

David Lovell 14/3/17

- I see proportionality as a measure of pairwise association
- I think about the variance of the log ratios of a set of pairs of variables as



- When I think about differential proportionality, I imagine two different sets of points, each with different underlying constants of proportionality. eg.



- My understanding of the statistical test you have proposed, Lonas, is that of $\frac{\text{within group variance of log ratios}}{\text{total variance of log ratios}}$ ... or similar?

- Am I on the right track?

Cheers from Brisbane at midnight! David