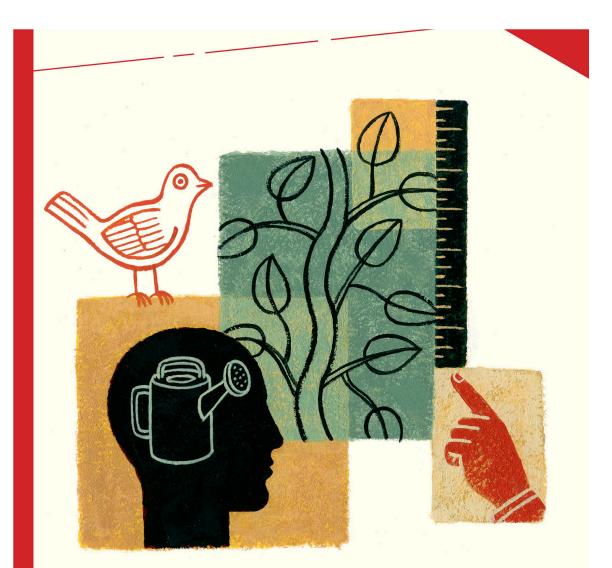
His nature, her nurture-

what good are conceptual critiques for tackling practical concerns about the development of gendered individuals?

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http://bit.ly/ishpssb15 for sources and other follow up



nature-nurture?

NO { Moving the Sciences of Variation and Heredity Beyond the Gaps

conceptual critique =

- *five* nature-nurture sciences
- gaps between them
- ways conflated or seen to reinforce one another

take home messages:

- 1. conceptual critique clears space for focusing on the development of gendered individuals
- 2. this counters a persistent essentialism about gender
- 3. implications well beyond issues raised by feminist scholars

Deep conceptual assumption	Dawkins, atheist	Religious believers
1. There is an agent within any apparent agent-the living being does not develop without being directed by something else	Selfish gene	Soul
2. There must be some standard external to organisms in order for them to know what they should do	Ever-acting natural selection	God
1+2 = The directing agent within is mirrored by the directions that X should follow	X = organisms as survival machines	X = people believing in the religion
3. It is OK to base your account of the world on unobservables Y if it is hard for you personally to make sense of the world if the unobservable did not exist	Y = fitness associated with alleles	Y= God's will

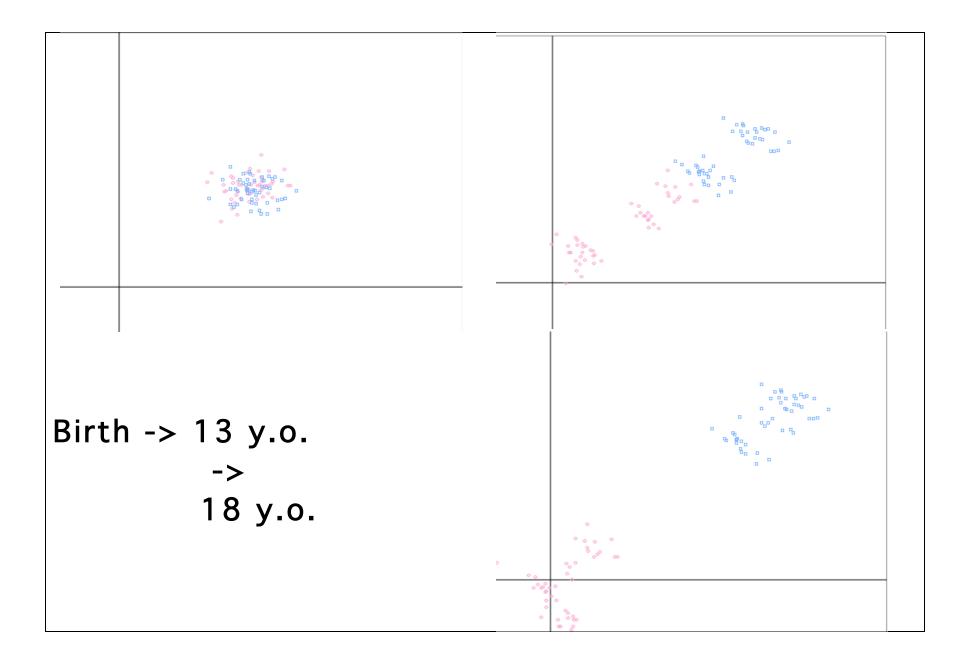
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Simulation

- 2 genital forms; 2 gender norms.
- Spread of initial positions of infant. Attraction to closest norm + to genitally concordant norm.
- Reinforcement by adults of attraction *either* to closest norm *or* to genitally concordant norm.

Vary proportion of adults who reinforce the attraction to the closest norm: clustering of young adults around genitally concordant norms

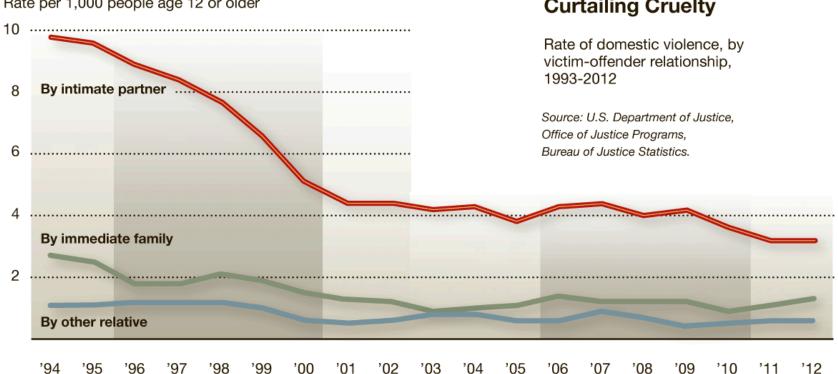
- -> wider spread
 - -> more clusters



"practical concerns"

 * How difficult is it to change the typical distributions of a trait, e.g. aggression, substance abuse, suicide attempts, modes of sexual arousal as they differ among males and females?

* When change has happened, in what ways has it come about?



Rate per 1,000 people age 12 or older

Curtailing Cruelty

thesis of the paper

help that conceptual critiques provide for tackling practical concerns

clearing space for focusing on the development of gendered individuals

partition variation in observable traits

fixity vs flexibility of development of individual

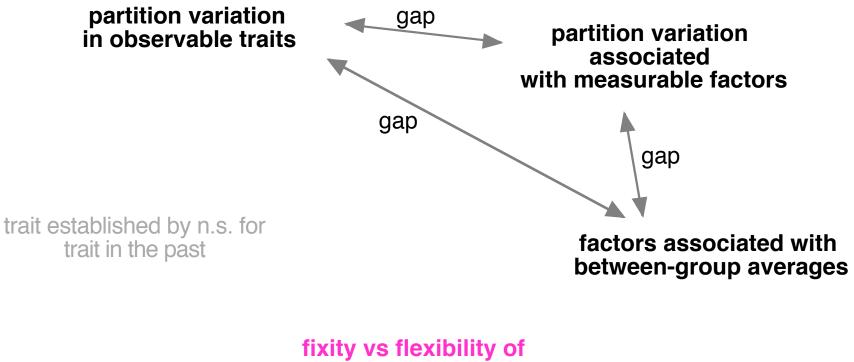
partition variation in observable traits

partition variation associated with measurable factors

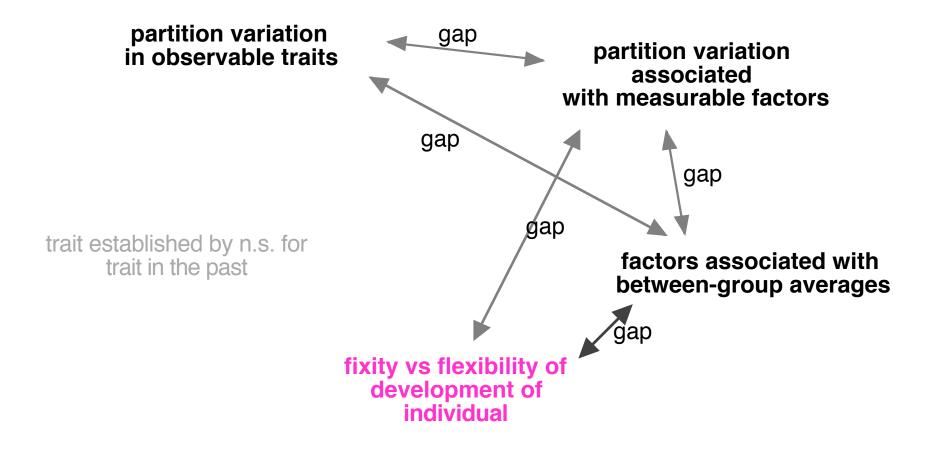
trait established by n.s. for trait in the past

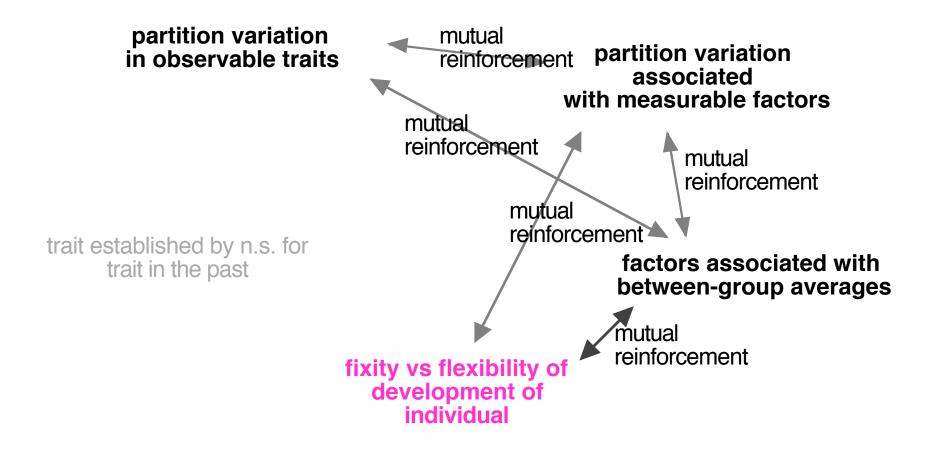
factors associated with between-group averages

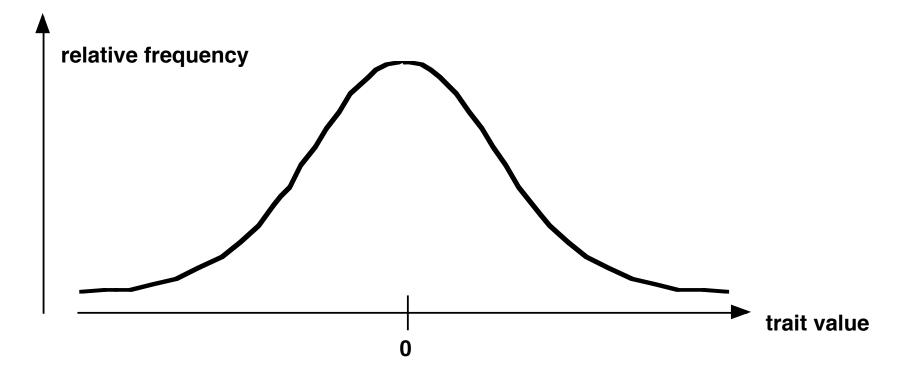
fixity vs flexibility of development of individual

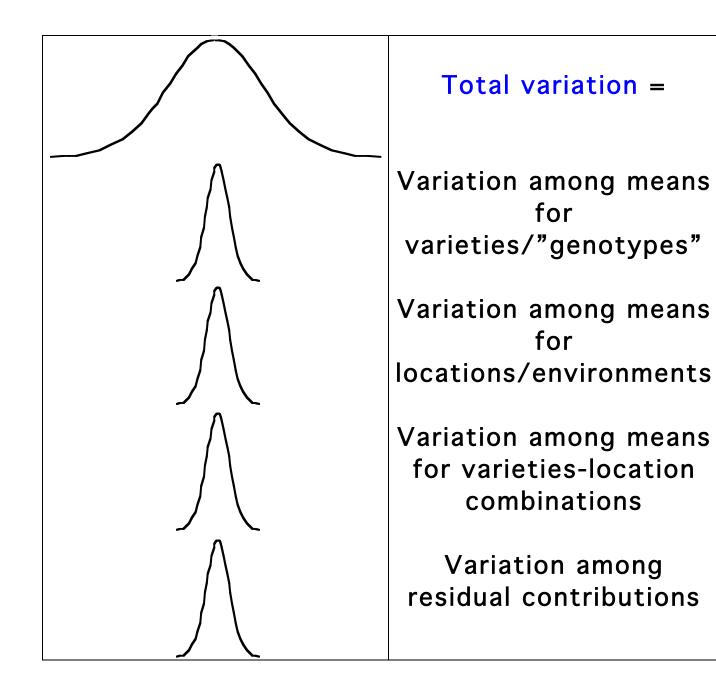


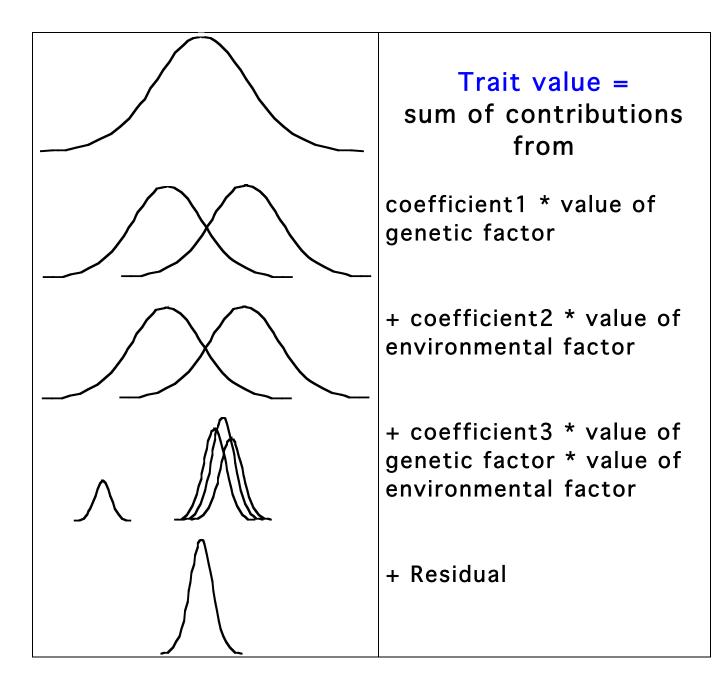
development of individual

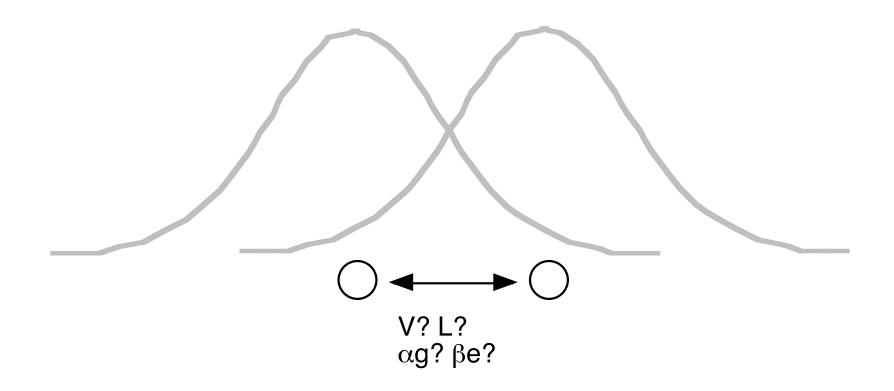


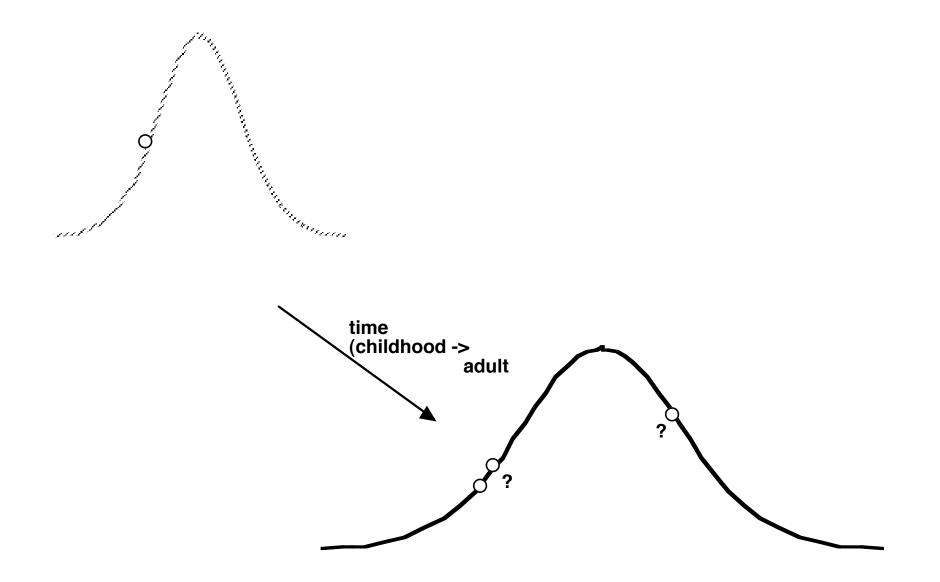


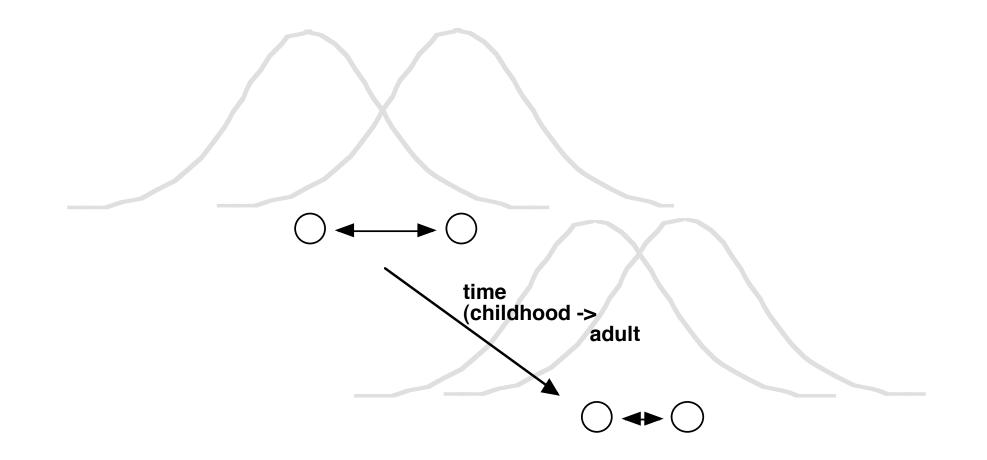










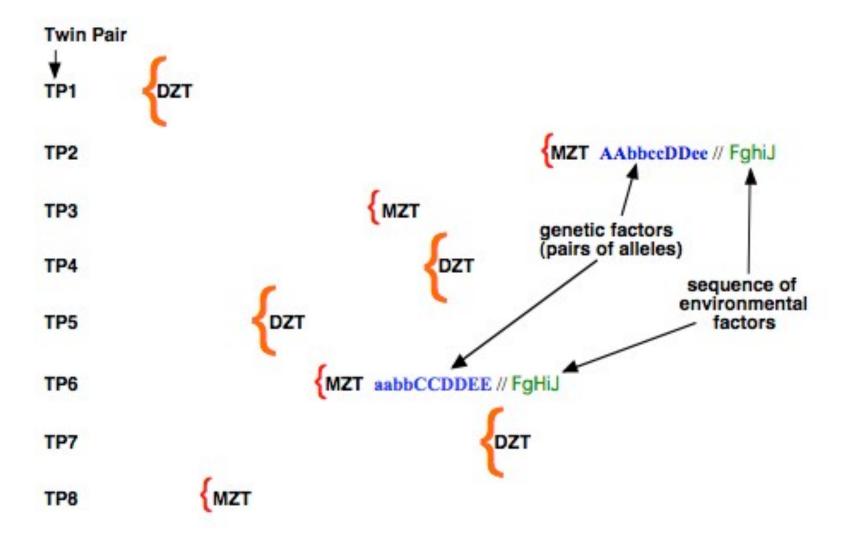


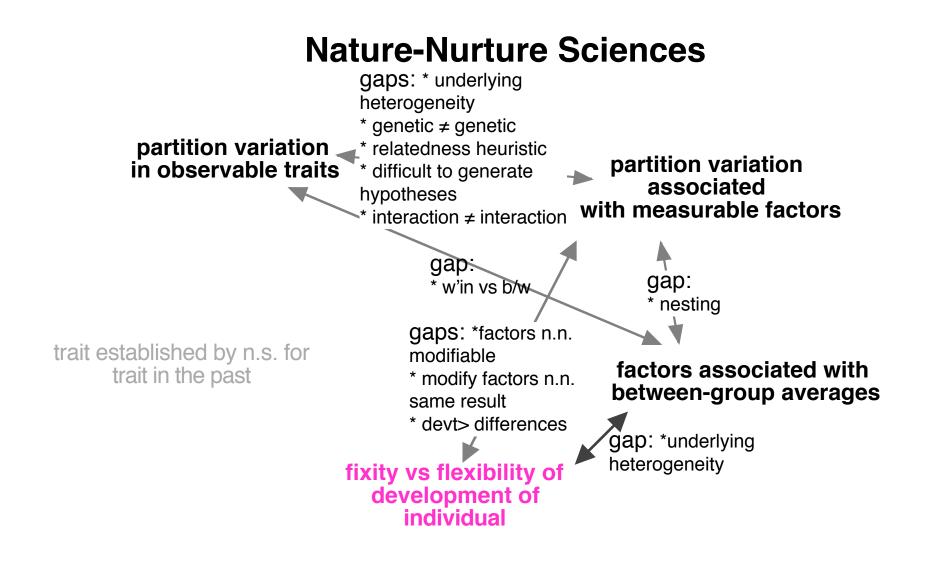
standard interpretation of heritability

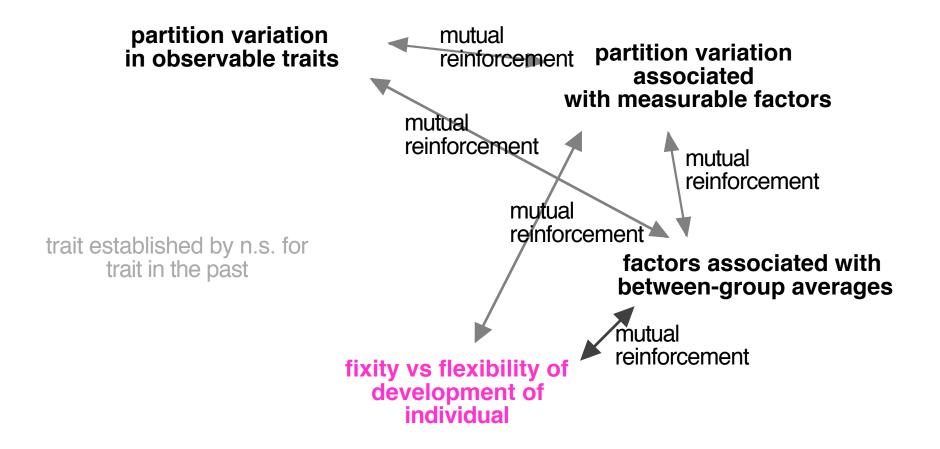
"contribution of genetic differences to observed differences among individuals"

SO

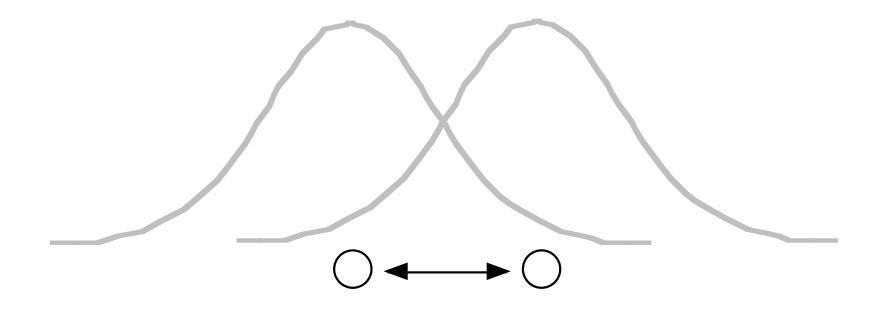
a strong genetic contribution makes the trait "a potentially worthwhile candidate for molecular research"

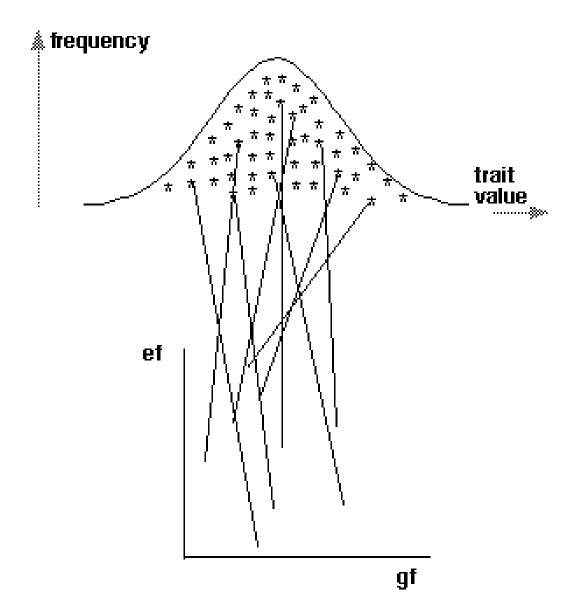


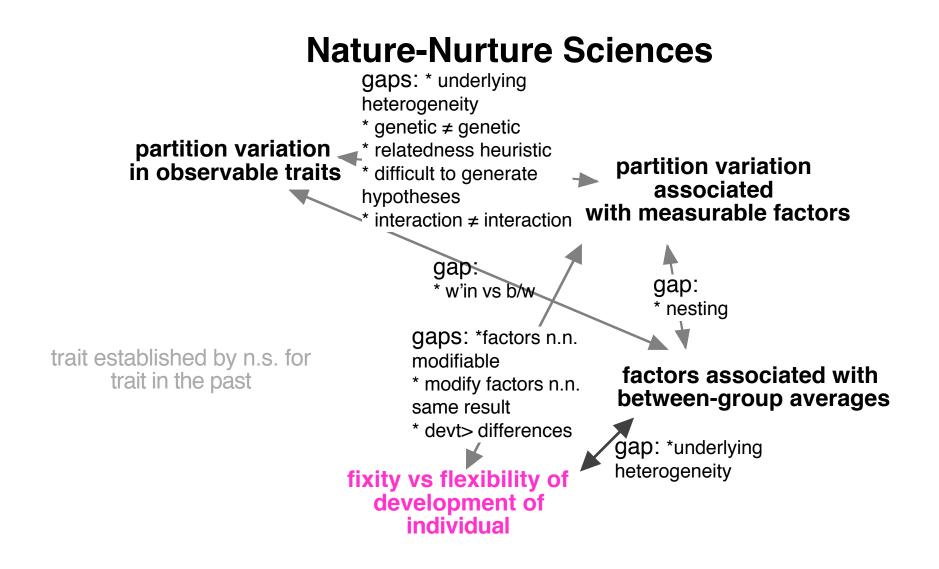


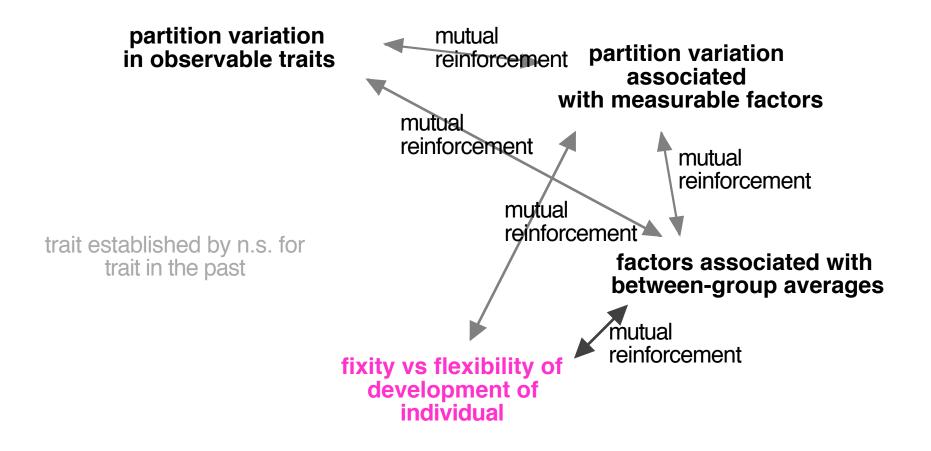


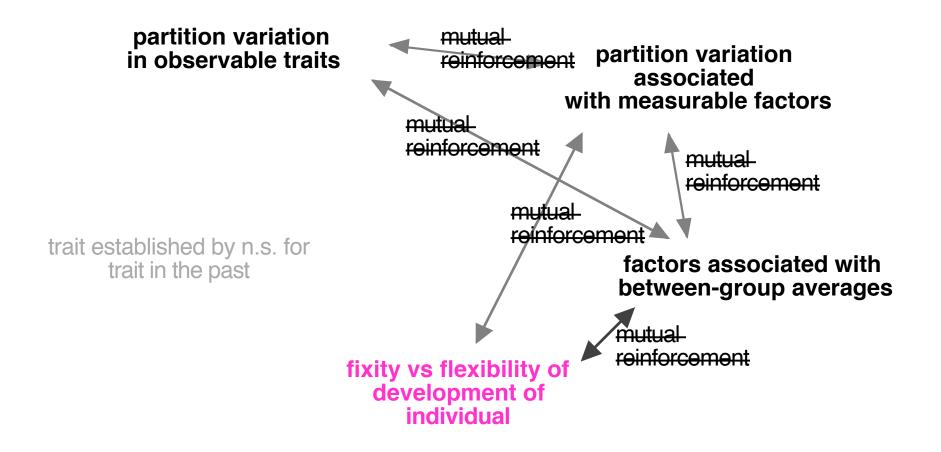
to the extent that groups are seen as types, it is more difficult to think about underlying heterogeneity to the extent that groups are seen as types, it is more difficult to think about underlying heterogeneity

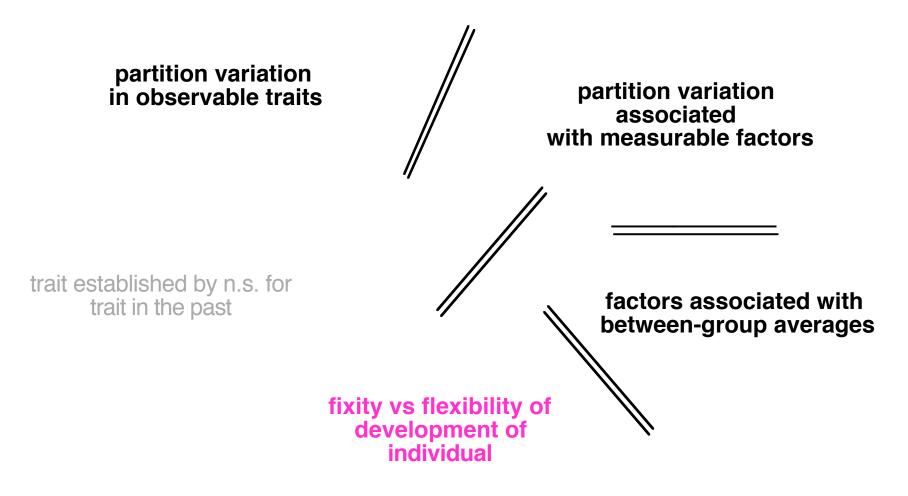












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